Appendix B

Air Quality, Greenhouse Gas Emissions, and Energy Technical Study

Kimley»Horn

May 2026 | Air Quality, Greenhouse Gas Emissions, and Energy Technical Study

RIVERVIEW MARKET PROJECT

Bakersfield, California

Prepared for:

City of Bakersfield: Development Services – Planning Division
Contact: Roque Nino, Principal Planner
1715 Chester Avenue, 2nd Floor
Bakersfield, California 93301

Prepared by:

PlaceWorks
Contact: Nicole Vermilion, Principal
3 MacArthur Place, Suite 1100
Santa Ana, California 92707
714.966.9220
info@placeworks.com
www.placeworks.com

PLACEWORKS

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1. Introduction

This Air Quality, Greenhouse Gas (GHG) Emissions, and Energy Technical Study (technical study) is prepared for the City of Bakersfield (City) to evaluate the potential air quality and GHG emissions impacts pursuant to the California Environmental Quality Act (CEQA) from the development and operation of the Riverview Market (proposed project) in the City.

1.1 PROJECT LOCATION

As shown on Figure 1, *Aerial Photograph*, the approximately 46-acre project site (46.16 net acres) is an undeveloped L-shaped property that is generally situated along the south side of Rosedale Highway, north of the railroad tracks, west of Coffee Road, and east of El Toro Viejo Road in the City of Bakersfield. The project site comprises Parcel 2 of Tentative Parcel Map No. 12264. It is currently undeveloped but highly disturbed and does not currently generate emissions.

1.2 PROJECT DESCRIPTION

The proposed project involves construction and operation of commercial and retail uses. Development of the proposed project would occur over two development phases and encompass 405,531 square feet of total building space. Table 1, *Proposed Project Land Uses*, and Figure 2, *Project Phasing Plan*, show the types of land uses proposed by each development phase.

Table 1 Proposed Project Land Uses

Land Uses	Amount (Building Square Feet)
Phase 1	
Retail	196,331
Restaurant (sit down and fast casual)	22,996
Car Wash	4,100
Drive-Thru Restaurants	16,495
Health Club	24,993
Medical Office	8,996
Public Storage	40,000
Gas Filling Station (20 dual-sided fuel pumps)	428
Electrical and Fire Riser Rooms	1,672
Subtotal	316,007
Phase 2	
Retail	80,871
Restaurant (sit down and fast casual)	8,799
Electrical and Fire Riser Rooms	277

1. Introduction

Table 1 Proposed Project Land Uses

Land Uses	Amount (Building Square Feet)
Subtotal	89,952
Full Buildout	
Retail[1, 2]	277,202
Restaurant (sit down and fast casual)	31,795
Car Wash	4,100
Drive-Thru Restaurants[3]	16,495
Health Club	24,993
Medical Office	8,996
Public Storage	40,000
Gas Filling Station (20 dual-sided fuel pumps)	428
Electrical and Fire Riser Rooms[4]	1,949
Total	**405,531**

Notes:
1 Accounts for the proposed bank land use of 9,120 BSF.
2 For purposes of modeling, 277,230 BSF of retail space was modeled.
3 For purposes of modeling, 16,487 BSF of drive-thru restaurant space was modeled.
4 For purposes of modeling, 1,930 BSF of electrical and fire riser room space was modeled.

Other project components include vehicular access and circulation improvements (both on- and off-site); surface parking areas (up to 2,126 spaces) and drive aisles; pedestrian access and circulation improvements; various landscaping and green space (up to 379,446 square feet), hardscape, and lighting improvements; site and tenant signage; and infrastructure and utility improvements. The proposed green space improvements would include green space areas that consist of seating, shade structures, public art installations, and children's play areas.

Proposed offsite vehicular access and circulation improvements include modification to the existing signalized intersection of Coffee Road and Jet Way. Specifically, the improvements will include the installation of a new traffic light pole/structure at the southeast corner of the Coffee Road and Jet Way intersection and any related roadway improvements (i.e., modification to the existing raised median to provide a dedicated left-turn lane, roadway striping). The project applicant would also improve a portion of the raised median on Rosedale Highway (the portion between Northwest Promenade and Coffee Road) by modifying it to provide a dedicated left-turn lane for west-bound traffic entering the project site at the signalized intersection. Other roadway improvements at this intersection will include striping.

All the uses proposed, as described in Table 1, are permitted uses pursuant to the provisions of Chapter 17.30 (M-2 General Manufacturing Zone), Section 17.30.020 (Permitted Uses) of the Bakersfield Zoning Code. However, the proposed project includes an amendment to the City's General Plan to change the project site land use designation from P (Public Facilities) to LI (Light Industrial). This change would facilitate the proposed use and create alignment with the site's M-2 zoning designation, which under the City's stacked zoning code allows, by right, all uses permitted under the City's commercial zoning designations. Therefore, to proceed with the proposed project and its proposed uses and to provide consistency with the project site's M-2 zoning designation, the LI designation has been determined to be the appropriate land use designation.

Figure 1 - Aerial Photograph



Source: Nearmap, Inc., 2022.

1. Introduction

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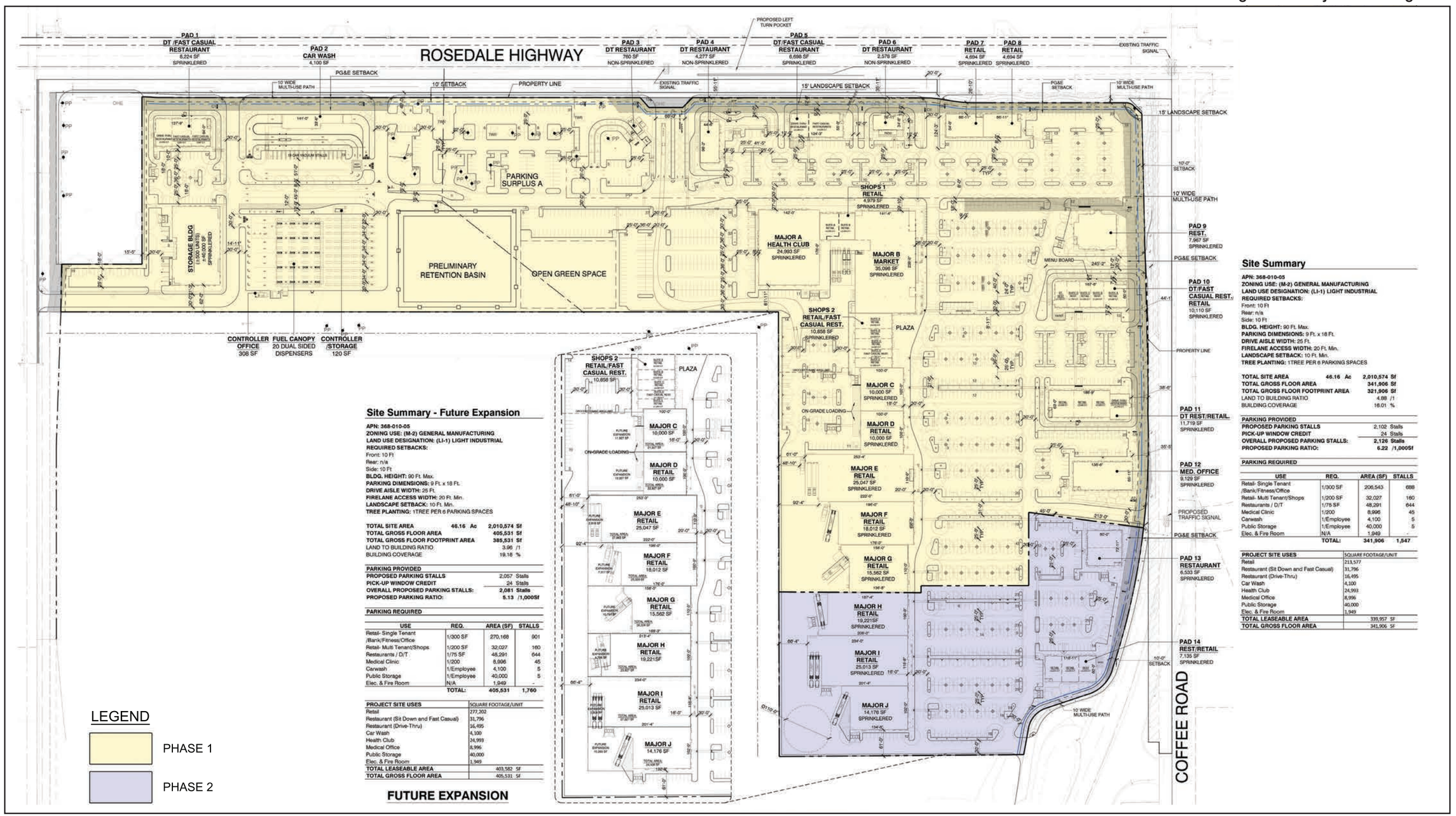
Figure 2 - Project Phasing Plan



Site Summary

APN: 368-010-05
ZONING USE: (M-2) GENERAL MANUFACTURING
LAND USE DESIGNATION: (LI-1) LIGHT INDUSTRIAL
REQUIRED SETBACKS:
Front: 10 Ft
Rear: n/a
Side: 10 Ft
BLDG. HEIGHT: 90 Ft. Max.
PARKING DIMENSIONS: 9 Ft. x 18 Ft.
DRIVE AISLE WIDTH: 25 Ft.
FIRELANE ACCESS WIDTH: 20 Ft. Min.
LANDSCAPE SETBACK: 10 Ft. Min.
TREE PLANTING: 1TREE PER 6 PARKING SPACES

TOTAL SITE AREA	46.16 Ac	2,010,574 Sf
TOTAL GROSS FLOOR AREA		341,906 Sf
TOTAL GROSS FLOOR FOOTPRINT AREA		321,906 Sf
LAND TO BUILDING RATIO		4.88 /1
BUILDING COVERAGE		16.01 %

PARKING PROVIDED	
PROPOSED PARKING STALLS	2,102 Stalls
PICK-UP WINDOW CREDIT	24 Stalls
OVERALL PROPOSED PARKING STALLS:	2,126 Stalls
PROPOSED PARKING RATIO:	6.22 /1,000Sf

PARKING REQUIRED

USE	REQ.	AREA (SF)	STALLS
Retail- Single Tenant /Bank/Fitness/Office	1/300 SF	206,543	688
Retail- Multi Tenant/Shops	1/200 SF	32,027	160
Restaurants / D/T	1/75 SF	48,291	644
Medical Clinic	1/200	8,996	45
Carwash	1/Employee	4,100	5
Public Storage	1/Employee	40,000	5
Elec. & Fire Room	N/A	1,949	-
	TOTAL:	341,906	1,547

PROJECT SITE USES	SQUARE FOOTAGE/UNIT
Retail	213,577
Restaurant (Sit Down and Fast Casual)	31,796
Restaurant (Drive-Thru)	16,495
Car Wash	4,100
Health Club	24,993
Medical Office	8,996
Public Storage	40,000
Elec. & Fire Room	1,949
TOTAL LEASEABLE AREA	339,957 SF
TOTAL GROSS FLOOR AREA	341,906 SF

Site Summary - Future Expansion

APN: 368-010-05
ZONING USE: (M-2) GENERAL MANUFACTURING
LAND USE DESIGNATION: (LI-1) LIGHT INDUSTRIAL
REQUIRED SETBACKS:
Front: 10 Ft
Rear: n/a
Side: 10 Ft
BLDG. HEIGHT: 90 Ft. Max.
PARKING DIMENSIONS: 9 Ft. x 18 Ft.
DRIVE AISLE WIDTH: 25 Ft.
FIRELANE ACCESS WIDTH: 20 Ft. Min.
LANDSCAPE SETBACK: 10 Ft. Min.
TREE PLANTING: 1TREE PER 6 PARKING SPACES

TOTAL SITE AREA	46.16 Ac	2,010,574 Sf
TOTAL GROSS FLOOR AREA		405,531 Sf
TOTAL GROSS FLOOR FOOTPRINT AREA		385,531 Sf
LAND TO BUILDING RATIO		3.96 /1
BUILDING COVERAGE		19.18 %

PARKING PROVIDED	
PROPOSED PARKING STALLS	2,057 Stalls
PICK-UP WINDOW CREDIT	24 Stalls
OVERALL PROPOSED PARKING STALLS:	2,081 Stalls
PROPOSED PARKING RATIO:	5.13 /1,000Sf

PARKING REQUIRED

USE	REQ.	AREA (SF)	STALLS
Retail- Single Tenant /Bank/Fitness/Office	1/300 SF	270,168	901
Retail- Multi Tenant/Shops	1/200 SF	32,027	160
Restaurants / D/T	1/75 SF	48,291	644
Medical Clinic	1/200	8,996	45
Carwash	1/Employee	4,100	5
Public Storage	1/Employee	40,000	5
Elec. & Fire Room	N/A	1,949	-
	TOTAL:	405,531	1,760

PROJECT SITE USES	SQUARE FOOTAGE/UNIT
Retail	277,202
Restaurant (Sit Down and Fast Casual)	31,796
Restaurant (Drive-Thru)	16,495
Car Wash	4,100
Health Club	24,993
Medical Office	8,996
Public Storage	40,000
Elec. & Fire Room	1,949
TOTAL LEASEABLE AREA	403,582 SF
TOTAL GROSS FLOOR AREA	405,531 SF

FUTURE EXPANSION

LEGEND

PHASE 1

PHASE 2

0 225
Scale (Feet)

Source: DJM 2025.

1. Introduction

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In addition to applying for a general plan amendment, the project applicant also seeks approval of a tentative tract map ("Tract Map") subdividing the project site in accordance with the California Subdivision Map Act and Title 16 of the Bakersfield Municipal Code. The Tract Map proposes to divide the project site into 30 separate legal parcels to accommodate the project's layout as set forth in the project phasing plan. The Tract Map also accounts for a 20-foot-wide public utility easement that is required to tie into the public water system.

1.3 CONSTRUCTION PHASING

Upon City approval, project development is anticipated to be completed in two development phases, as illustrated by the proposed phasing plan. The first phase would consist of development of 36.95 acres located at the north end of the project site, as well as the associated off-site improvements. The second phase would develop the remaining 9.21 acres at the southeast end of the project site. It should be noted that the project applicant may decide to accelerate or postpone the second phase depending on market conditions. For purposes of this analysis, construction of the proposed project would commence in 2026 and be completed in 2027. The anticipated general schedule for each of the development phases is as follows:

- **Phase 1:** Year 2026
- **Phase 2:** Year 2027

1. Introduction

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2. Regulatory Setting

2.1 AIR QUALITY

Ambient air quality standards (AAQS) have been adopted at state and federal levels for criteria air pollutants. In addition, both the state and federal governments regulate the release of toxic air contaminants (TAC). Bakersfield is in the San Joaquin Valley Air Basin (SJVAB) and is subject to the rules and regulations imposed by the San Joaquin Valley Air Pollution Control District (SJVAPCD), the California AAQS adopted by the California Air Resources Board (CARB), and the National AAQS adopted by the United States Environmental Protection Agency (EPA). Federal, state, regional, and local laws, regulations, plans, or guidelines that are potentially applicable to the proposed project are summarized below.

2.1.1 Air Pollutants of Concern

2.1.1.1 CRITERIA AIR POLLUTANTS

The pollutants emitted into the ambient air by stationary and mobile sources are categorized as primary and/or secondary pollutants. Primary air pollutants are emitted directly from sources. Carbon monoxide (CO), volatile organic compounds (VOC), nitrogen oxides (NO_X), sulfur dioxide (SO_2), coarse inhalable particulate matter (PM_{10}), fine inhalable particulate matter ($PM_{2.5}$), and lead (Pb) are primary air pollutants. Of these, CO, SO_2, nitrogen dioxide (NO_2), PM_{10}, and $PM_{2.5}$ are "criteria air pollutants," which means that AAQS have been established for them. VOC and NO_X are criteria pollutant precursors that form secondary criteria air pollutants through chemical and photochemical reactions in the atmosphere. Ozone (O_3) and NO_2 are the principal secondary pollutants.

Each of the primary and secondary criteria air pollutants and its known health effects are described below.

Carbon Monoxide (CO) is a colorless, odorless gas produced by incomplete combustion of carbon substances, such as gasoline or diesel fuel. CO is a primary criteria air pollutant. CO concentrations tend to be the highest during winter mornings with little to no wind, when surface-based inversions trap the pollutant at ground levels. The highest ambient CO concentrations are generally found near traffic-congested corridors and intersections. The primary adverse health effect associated with CO is interference with normal oxygen transfer to the blood, which may result in tissue oxygen deprivation (USEPA 2026a). The SJVAB is designated as being in attainment/unclassified under both the California AAQS and National AAQS (CARB 2026a).

Nitrogen Oxides (NO_X) are a byproduct of fuel combustion and contribute to the formation of O_3, PM_{10}, and $PM_{2.5}$. The two major forms of NO_X are nitric oxide (NO) and nitrogen dioxide (NO_2). The principal form of NO_2 produced by combustion is NO, but NO reacts with oxygen to form NO_2, creating the mixture of NO and NO_2 commonly called NO_X. NO_2 acts as an acute irritant and, in equal concentrations, is more injurious than NO. At atmospheric concentrations, however, NO_2 is only potentially irritating. NO_2 absorbs

2. Regulatory Setting

blue light; the result is a brownish-red cast to the atmosphere and reduced visibility. NO_2 exposure concentrations near roadways are of particular concern for susceptible individuals, including asthmatics, children, and the elderly. Current scientific evidence links short-term NO_2 exposures, ranging from 30 minutes to 24 hours, with adverse respiratory effects, including airway inflammation in healthy people and increased respiratory symptoms in people with asthma. Also, studies show a connection between elevated short-term NO_2 concentrations and increased visits to emergency departments and hospital admissions for respiratory issues, especially asthma (USEPA 2026a). The SJVAB is designated in attainment/unclassified under the National AAQS and attainment under the California AAQS (CARB 2026a; SJVAPCD 2026c).

Sulfur Dioxide (SO_2) is a colorless, pungent, irritating gas formed by the combustion of sulfurous fossil fuels. It enters the atmosphere as a result of burning high-sulfur-content fuel oils and coal and chemical processes at plants and refineries. Gasoline and natural gas have very low sulfur content and do not release significant quantities of SO_2. When sulfur dioxide forms sulfates (SO_4) in the atmosphere, together these pollutants are referred to as sulfur oxides (SO_X). Thus, SO_2 is both a primary and secondary criteria air pollutant. At sufficiently high concentrations, SO_2 may irritate the upper respiratory tract. Current scientific evidence links short-term exposures to SO_2, ranging from 5 minutes to 24 hours, with an array of adverse respiratory effects, including bronchoconstriction and increased asthma symptoms. These effects are particularly adverse for asthmatics at elevated ventilation rates (e.g., while exercising or playing) at lower concentrations and when combined with particulates, SO_2 may do greater harm by injuring lung tissue. Studies also show a connection between short-term exposure and increased visits to emergency facilities and hospital admissions for respiratory illnesses, particularly in at-risk populations such as children, the elderly, and asthmatics (US EPA 2026a). The SJVAB is designated attainment under the California and as attainment/unclassified under the National AAQS (CARB 2026a; SJVAPCD 2026c).

Suspended Particulate Matter (PM_{10} and $PM_{2.5}$) consists of finely divided solids or liquids such as soot, dust, aerosols, fumes, and mists. Two forms of fine particulates are now recognized and regulated. Inhalable coarse particles, or PM_{10}, include the particulate matter with an aerodynamic diameter of 10 microns (i.e., 10 millionths of a meter or 0.0004 inch) or less. Inhalable fine particles, or $PM_{2.5}$, have an aerodynamic diameter of 2.5 microns (i.e., 2.5 millionths of a meter or 0.0001 inch) or less. Particulate discharge into the atmosphere results primarily from industrial, agricultural, construction, and transportation activities. However, wind action on arid landscapes also contributes substantially to local particulate loading (i.e., fugitive dust). Both PM_{10} and $PM_{2.5}$ may adversely affect the human respiratory system, especially in people who are naturally sensitive or susceptible to breathing problems (South Coast AQMD 2005).

The EPA's scientific review concluded that $PM_{2.5}$, which penetrates deeply into the lungs, is more likely than PM_{10} to contribute to health effects and at concentrations that extend well below those allowed by the current PM_{10} standards. These health effects include premature death and increased hospital admissions and emergency room visits (primarily the elderly and individuals with cardiopulmonary disease); increased respiratory symptoms and disease (children and individuals with cardiopulmonary disease such as asthma); decreased lung functions (particularly in children and individuals with asthma); and alterations in lung tissue and structure and in respiratory tract defense mechanisms (South Coast AQMD 2005). There has been emerging evidence that ultrafine particulates, which are even smaller particulates with an aerodynamic diameter of <0.1 microns or less (i.e., ≤ 0.0001 millimeter) have human health implications because their toxic components may initiate or

facilitate biological processes that may lead to adverse effects to the heart, lungs, and other organs (South Coast AQMD 2013). However, the EPA and CARB have not adopted AAQS to regulate these particulates. Diesel particulate matter is classified by CARB as a carcinogen (CARB 1998). Particulate matter can also cause environmental effects such as visibility impairment, environmental damage, and aesthetic damage (USEPA 2026a). The SJVAB is a nonattainment area for $PM_{2.5}$ under California and National AAQS and a nonattainment area for PM_{10} under the California AAQS and an attainment area under the National AAQS (CARB 2026a; SJVAPCD 2026c).

Ozone (O_3) is a key ingredient of "smog" and is a gas that is formed when VOCs and NO_X, both by-products of internal combustion engine exhaust, undergo photochemical reactions in sunlight. O_3 is a secondary criteria air pollutant. O_3 concentrations are generally highest during the summer months when direct sunlight, light winds, and warm temperatures create favorable conditions for its formation. O_3 poses a health threat to those who already suffer from respiratory diseases as well as to healthy people. Breathing O_3 can trigger a variety of health problems, including chest pain, coughing, throat irritation, and congestion. It can worsen bronchitis, emphysema, and asthma. Ground-level O_3 also can reduce lung function and inflame the linings of the lungs. Repeated exposure may permanently scar lung tissue. O_3 also affects sensitive vegetation and ecosystems, including forests, parks, wildlife refuges, and wilderness areas. In particular, O_3 harms sensitive vegetation during the growing season US EPA 2023a). The SJVAB is designated extreme nonattainment under the California AAQS (1-hour and 8-hour) and nonattainment under the National AAQS (8-hour) (CARB 2026a; SJVAPCD 2026c).

Volatile Organic Compounds (VOC) are composed primarily of hydrogen and carbon atoms. Internal combustion associated with motor vehicle usage is the major source of VOCs. Other sources include evaporative emissions from paints and solvents, asphalt paving, and household consumer products such as aerosols. There are no AAQS for VOCs. However, because they contribute to the formation of O_3, SJVAPCD has established a significance threshold for this pollutant.

Lead (Pb) is a metal found naturally in the environment as well as in manufactured products. Once taken into the body, lead distributes throughout the body in the blood and accumulates in the bones. Depending on the level of exposure, lead can adversely affect the nervous system, kidney function, immune system, reproductive and developmental systems, and the cardiovascular system. Lead exposure also affects the oxygen-carrying capacity of the blood. The effects of lead most commonly encountered in current populations are neurological effects in children and cardiovascular effects in adults (e.g., high blood pressure and heart disease). Infants and young children are especially sensitive to even low levels of lead, which may contribute to behavioral problems, learning deficits, and lowered IQ (USEPA 2026a). The major sources of lead emissions have historically been mobile and industrial sources. As a result of the EPA's regulatory efforts to remove lead from gasoline, emissions of lead from the transportation sector dramatically declined by 95 percent between 1980 and 1999, and levels of lead in the air decreased by 94 percent between 1980 and 1999. Today, the highest levels of lead in air are usually found near lead smelters. The major sources of lead emissions today are ore and metals processing and piston-engine aircraft operating on leaded aviation gasoline. However, in 2008 the EPA and CARB adopted stricter lead standards, and special monitoring sites immediately downwind of lead sources recorded very localized violations of the new state and federal standards. The SJVAB is designated attainment under the California AAQS for lead and No Designation/Classification under the National AAQS (CARB

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2026a; SJVAPCD 2026c). There are no lead-emitting sources associated with this project, and therefore, lead is not a pollutant of concern for the proposed project.

Table 2, *Criteria Air Pollutant Health Effects Summary*, summarizes the potential health effects associated with the criteria air pollutants.

Table 2 Criteria Air Pollutant Health Effects Summary

Pollutant	Health Effects	Examples of Sources
Carbon Monoxide (CO)	• Chest pain in heart patients • Headaches, nausea • Reduced mental alertness • Death at very high levels	Any source that burns fuel such as cars, trucks, construction and farming equipment, and residential heaters and stoves
Ozone (O_3)	• Cough, chest tightness • Difficulty taking a deep breath • Worsened asthma symptoms • Lung inflammation	Atmospheric reaction of organic gases with nitrogen oxides in sunlight
Nitrogen Dioxide (NO_2)	• Increased response to allergens • Aggravation of respiratory illness	Same as carbon monoxide sources
Particulate Matter (PM_{10} and $PM_{2.5}$)	• Hospitalizations for worsened heart diseases • Emergency room visits for asthma • Premature death	Cars and trucks (particularly diesels) Fireplaces and woodstoves Windblown dust from overlays, agriculture, and construction
Sulfur Dioxide (SO_2)	• Aggravation of respiratory disease (e.g., asthma and emphysema) • Reduced lung function	Combustion of sulfur-containing fossil fuels, smelting of sulfur-bearing metal ores, and industrial processes
Lead (Pb)	• Behavioral and learning disabilities in children • Nervous system impairment	Contaminated soil

Source: CARB 2026b.

2.1.1.2 TOXIC AIR CONTAMINANTS

People exposed to toxic air contaminants (TAC) at sufficient concentrations and durations may have an increased chance of getting cancer or experiencing other serious health effects. These health effects can include damage to the immune system as well as neurological, reproductive (e.g., reduced fertility), developmental, respiratory, and other health problems (USEPA 2026b). By the last update to the TAC list in December 1999, CARB had designated 244 compounds as TACs (CARB 1999). Additionally, CARB has implemented control measures for a number of compounds that pose high risks and show potential for effective control. There are no air quality standards for TACs. Instead, TAC impacts are evaluated by calculating the health risks associated with a given exposure. The majority of the estimated health risks from TACs can be attributed to relatively few compounds, the most relevant to the proposed project being particulate matter from diesel-fueled engines.

Diesel Particulate Matter

In 1998, CARB identified diesel particulate matter (DPM) as a TAC. Previously, the individual chemical compounds in diesel exhaust were considered TACs. Almost all diesel exhaust particles are 10 microns or less in diameter. Because of their extremely small size, these particles can be inhaled and eventually trapped in the

bronchial and alveolar regions of the lungs. Long-term (chronic) inhalation of DPM is likely a lung cancer risk. Short-term (i.e., acute) exposure can cause irritation and inflammatory symptoms and may exacerbate existing allergies and asthma symptoms (USEPA 2002).

2.1.2 Regulatory Background

Ambient air quality standards have been adopted at the state and federal levels for criteria air pollutants. In addition, both the state and federal government regulate the release of TACs. The proposed project is in the SJVAB and is subject to the rules and regulations imposed by the SJVAPCD, the California AAQS adopted by CARB, and National AAQS adopted by the EPA. Federal, state, regional, and local laws, regulations, plans, or guidelines that are potentially applicable to the proposed project are summarized in this section.

2.1.2.1 FEDERAL AND STATE

Ambient Air Quality Standards

The Clean Air Act (CAA) was passed in 1963 by the US Congress and has been amended several times. The 1970 CAA amendments strengthened previous legislation and laid the foundation for the regulatory scheme of the 1970s and 1980s. In 1977, Congress again added several provisions, including nonattainment requirements for areas not meeting National AAQS and the Prevention of Significant Deterioration program. The 1990 amendments represent the latest in a series of federal efforts to regulate the protection of air quality in the United States. The CAA allows states to adopt more stringent standards or to include other pollution species. The California Clean Air Act, signed into law in 1988, requires all areas of the state to achieve and maintain the California AAQS by the earliest practical date. The California AAQS tend to be more restrictive than the National AAQS.

These National AAQS and California AAQS are the levels of air quality considered to provide a margin of safety in the protection of the public health and welfare. They are designed to protect "sensitive receptors" most susceptible to further respiratory distress, such as asthmatics, the elderly, very young children, people already weakened by other disease or illness, and persons engaged in strenuous work or exercise. Healthy adults can tolerate occasional exposure to air pollutant concentrations considerably above these minimum standards before adverse effects are observed.

Both California and the federal government have established health-based AAQS for seven air pollutants. As shown in Table 3, *Ambient Air Quality Standards for Criteria Pollutants*, these pollutants are ozone (O_3), nitrogen dioxide (NO_2), carbon monoxide (CO), sulfur dioxide (SO_2), coarse inhalable particulate matter (PM_{10}), fine inhalable particulate matter ($PM_{2.5}$), and lead (Pb). In addition, the state has set standards for sulfates, hydrogen sulfide, vinyl chloride, and visibility-reducing particles. These standards are designed to protect the health and welfare of the populace with a reasonable margin of safety.

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Table 3 Ambient Air Quality Standards for Criteria Pollutants

Pollutant	Averaging Time	California Standard[1]	Federal Primary Standard[2]	Major Pollutant Sources
Ozone (O_3)[3]	1 hour	0.09 ppm	*	Motor vehicles, paints, coatings, and solvents.
	8 hours	0.070 ppm	0.070 ppm	
Carbon Monoxide (CO)	1 hour	20 ppm	35 ppm	Internal combustion engines, primarily gasoline-powered motor vehicles.
	8 hours	9.0 ppm	9 ppm	
Nitrogen Dioxide (NO_2)	Annual Arithmetic Mean	0.030 ppm	0.053 ppm	Motor vehicles, petroleum-refining operations, industrial sources, aircraft, ships, and railroads.
	1 hour	0.18 ppm	0.100 ppm	
Sulfur Dioxide (SO_2)	Annual Arithmetic Mean	*	0.030 ppm	Fuel combustion, chemical plants, sulfur recovery plants, and metal processing.
	1 hour	0.25 ppm	0.075 ppm	
	24 hours	0.04 ppm	0.14 ppm	
Respirable Coarse Particulate Matter (PM_{10})	Annual Arithmetic Mean	20 µg/m^3	*	Dust and fume-producing construction, industrial, and agricultural operations, combustion, atmospheric photochemical reactions, and natural activities (e.g., wind-raised dust and ocean sprays).
	24 hours	50 µg/m^3	150 µg/m^3	
Respirable Fine Particulate Matter ($PM_{2.5}$)[4,6]	Annual Arithmetic Mean	12 µg/m^3	9 µg/m^3	Dust and fume-producing construction, industrial, and agricultural operations, combustion, atmospheric photochemical reactions, and natural activities (e.g., wind-raised dust and ocean sprays).
	24 hours	*	35 µg/m^3	
Lead (Pb)	30-Day Average	1.5 µg/m^3	*	Present source: lead smelters, battery manufacturing & recycling facilities. Past source: combustion of leaded gasoline.
	Calendar Quarter	*	1.5 µg/m^3	
	Rolling 3-Month Average	*	0.15 µg/m^3	
Sulfates (SO_4)[5]	24 hours	25 µg/m^3	*	Industrial processes.
Visibility Reducing Particles	8 hours	ExCo =0.23/km visibility of 10≥ miles	*	Visibility-reducing particles consist of suspended particulate matter, which is a complex mixture of tiny particles that consists of dry solid fragments, solid cores with liquid coatings, and small droplets of liquid. These particles vary greatly in shape, size and chemical composition, and can be made up of many different materials such as metals, soot, soil, dust, and salt.
Hydrogen Sulfide	1 hour	0.03 ppm	*	Hydrogen sulfide (H_2S) is a colorless gas with the odor of rotten eggs. It is formed during bacterial decomposition of sulfur-containing organic substances. Also, it can be present in sewer gas and some natural gas and can be emitted as the result of geothermal energy exploitation.

Table 3 Ambient Air Quality Standards for Criteria Pollutants

Pollutant	Averaging Time	California Standard[1]	Federal Primary Standard[2]	Major Pollutant Sources
Vinyl Chloride	24 hours	0.01 ppm	*	Vinyl chloride (chloroethene), a chlorinated hydrocarbon, is a colorless gas with a mild, sweet odor. Most vinyl chloride is used to make polyvinyl chloride (PVC) plastic and vinyl products. Vinyl chloride has been detected near landfills, sewage plants, and hazardous waste sites, due to microbial breakdown of chlorinated solvents.

Source: CARB 2024.
Notes: ppm: parts per million; µg/m3: micrograms per cubic meter
* Standard has not been established for this pollutant/duration by this entity.
1 California standards for O3, CO (except 8-hour Lake Tahoe), SO2 (1 and 24 hour), NO2, and particulate matter (PM10, PM2.5, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
2 National standards (other than O3, PM, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The O3 standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM10, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m3 is equal to or less than one. For PM2.5, the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard.
3 On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.
4 On December 14, 2012, the national annual PM2.5 primary standard was lowered from 15 µg/m3 to 12.0 µg/m3. The existing national 24-hour PM2.5 standards (primary and secondary) were retained at 35 µg/m3, as was the annual secondary standard of 15 µg/m3. The existing 24-hour PM10 standards (primary and secondary) of 150 µg/m3 also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.
5 On June 2, 2010, a new 1-hour SO2 standard was established, and the existing 24-hour and annual primary standards were revoked. The 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.
6 On February 7, 2024, the national annual PM2.5 standard was lowered from 12 µg/m3 to 9 µg/m3. The existing national 24-hour PM2.5 standards (primary and secondary), secondary annual PM2.5 standard, and PM10 standards (primary and secondary) were retained

California has also adopted a host of other regulations that reduce criteria pollutant emissions:

- **Assembly Bill (AB) 1493: Pavley Fuel Efficiency Standards.** Pavley I is a clean-car standard that reduces greenhouse gas emissions from new passenger vehicles (light-duty auto to medium-duty vehicles) from 2009 through 2016. In January 2012, CARB approved the Advanced Clean Cars program (formerly known as Pavley II) for model years 2017 through 2025.

- **Senate Bill (SB) 1078, SB 107, SB 350. SB 100, and SB 1020: Renewables Portfolio Standards**. A major component of California's Renewable Energy Program is the renewables portfolio standard (RPS) established under SB 1078 (Sher) and SB 107 (Simitian). Under the RPS, certain retail sellers of electricity were required to increase the amount of renewable energy each year by at least 1 percent to reach at least 20 percent by December 30, 2010. Subsequent RPS requirements include an RPS of 40 percent by 2024 set under SB 350 and RPS requirements of 50 percent by 2026, 60 percent by 2030, and 100 percent by 2045 under SB 100. In addition, SB 1020 sets RPS requirement of 90 percent by 2035 and 95 percent by 2040. Furthermore, SB 1020 also requires state agencies to procure 100 percent of electricity from renewable energy and zero-carbon resources by 2035.

2. Regulatory Setting

- **Heavy-Duty (Tractor-Trailer) Greenhouse Gas Regulation.** The tractors and trailers subject to this regulation must either use EPA SmartWay-certified tractors and trailers or retrofit their existing fleet with SmartWay-verified technologies. The regulation applies primarily to owners of 53-foot or longer box-type trailers, including both dry-van and refrigerated-van trailers, and owners of the heavy-duty tractors that pull them on California highways. These owners are responsible for replacing or retrofitting their affected vehicles with compliant aerodynamic technologies and low rolling resistance tires. Sleeper cab tractors model year 2011 and later must be SmartWay certified. All other tractors must use SmartWay-verified low-rolling-resistance tires. There are also requirements for trailers to have low-rolling-resistance tires and aerodynamic devices

- **California Code of Regulations (CCR), Title 20: Appliance Energy Efficiency Standards.** The 2006 Appliance Efficiency Regulations (20 CCR Sections 1601–1608) were adopted by the California Energy Commission on October 11, 2006, and approved by the California Office of Administrative Law on December 14, 2006. The regulations include standards for both federally regulated appliances and non–federally regulated appliances.

- **24 CCR, Part 6: Building and Energy Efficiency Standards.** Energy conservation standards for new residential and nonresidential buildings adopted by the California Energy Resources Conservation and Development Commission (now the California Energy Commission) in June 1977.

- **24 CCR, Part 11: Green Building Standards Code.** Establishes planning and design standards for sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and internal air contaminants.[1]

Tanner Air Toxics Act and Air Toxics Hot Spot Information and Assessment Act

Public exposure to TACs is a significant environmental health issue in California. In 1983, the California legislature enacted a program to identify the health effects of TACs and reduce exposure to them. The California Health and Safety Code defines a TAC as "an air pollutant which may cause or contribute to an increase in mortality or in serious illness, or which may pose a present or potential hazard to human health" (17 CCR Section 93000). A substance that is listed as a hazardous air pollutant pursuant to Section 112(b) of the federal Clean Air Act (42 US Code Section 7412[b]) is a TAC. Under state law, the California Environmental Protection Agency, acting through CARB, is authorized to identify a substance as a TAC if it is an air pollutant that may cause or contribute to an increase in mortality or serious illness or may pose a present or potential hazard to human health.

California regulates TACs primarily through Assembly Bill (AB) 1807 (Tanner Air Toxics Act) and AB 2588 (Air Toxics "Hot Spot" Information and Assessment Act of 1987). The Tanner Air Toxics Act sets forth a formal procedure for CARB to designate substances as TACs. Once a TAC is identified, CARB adopts an "airborne toxics control measure" for sources that emit designated TACs. If there is a safe threshold for a substance (i.e., a point below which there is no toxic effect), the control measure must reduce exposure to below

[1] The green building standards became mandatory in the 2010 edition of the code.

that threshold. If there is no safe threshold, the measure must incorporate toxics best available control technology to minimize emissions. To date, CARB has established formal control measures for 11 TACs that are identified as having no safe threshold.

Under AB 2588, TAC emissions from individual facilities are quantified and prioritized by the air quality management district or air pollution control district. High-priority facilities are required to perform a health risk assessment, and if specific thresholds are exceeded, are required to communicate the results to the public through notices and public meetings.

CARB has promulgated the following specific rules to limit TAC emissions:

- **13 CCR Chapter 10 Section 2485: Airborne Toxic Control Measure to Limit Diesel-Fueled Commercial Motor Vehicle Idling.** Generally restricts on-road diesel-powered commercial motor vehicles with a gross vehicle weight rating of greater than 10,000 pounds from idling more than five minutes.
- **13 CCR Chapter 10 Section 2480: Airborne Toxic Control Measure to Limit School Bus Idling and Idling at Schools.** Generally restricts a school bus or transit bus from idling for more than five minutes when within 100 feet of a school.
- **13 CCR Section 2477 and Article 8: Airborne Toxic Control Measure for In-Use Diesel-Fueled Transport Refrigeration Units (TRU) and TRU Generator Sets and Facilities Where TRUs Operate.** Regulations established to control emissions associated with diesel-powered TRUs.

AB 617, Community Air Protection Program

AB 617 (C. Garcia, Chapter 136, Statutes of 2017) requires local air districts to monitor and implement air pollution control strategies that reduce localized air pollution in communities that bear the greatest burdens. In response to AB 617, CARB has established the Community Air Protection Program.

Air districts are required to host workshops to help identify disadvantaged communities disproportionately affected by poor air quality. Once the criteria for identifying the highest priority locations have been identified and the communities have been selected, new community monitoring systems would be installed to track and monitor community-specific air pollution goals. In 2018 CARB prepared an air monitoring plan (Community Air Protection Blueprint), that evaluates the availability and effectiveness of air monitoring technologies and existing community air monitoring networks. Under AB 617, the Blueprint is required to be updated every five years.

Under AB 617, CARB is also required to prepare a statewide strategy to reduce TACs and criteria pollutants in impacted communities; provide a statewide clearinghouse for best available retrofit control technology; adopt new rules requiring the latest best available retrofit control technology for all criteria pollutants for which an area has not achieved attainment of California AAQS; and provide uniform, statewide reporting of emissions inventories. Air districts are required to adopt a community emissions reduction program to achieve reductions for the communities impacted by air pollution that CARB identifies.

2. Regulatory Setting

2.1.2.2 SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT

The state is divided into air pollution control districts/air quality management districts. These agencies are county or regional governing authorities that have primary responsibility for controlling air pollution from stationary sources. CARB and local air districts are also responsible for developing clean air plans to demonstrate how and when California will attain AAQS established under both the federal and California Clean Air Acts. For the areas in California that have not attained air quality standards, CARB works with air districts to develop and implement state and local attainment plans. In general, attainment plans contain a discussion of ambient air quality data and trends; a baseline emissions inventory; future year projections of emissions, which account for growth projections and already adopted control measures; a comprehensive control strategy of additional measures needed to reach attainment; an attainment demonstration, which generally involves complex modeling; and contingency measures. Plans may also include interim milestones for progress toward attainment. The SJVAB is managed by the SJVAPCD.

The primary role of SJVAPCD is to develop plans and implement control measures in the SJVAB to control air pollution. These controls primarily affect stationary sources such as industry and power plants. Rules and regulations have been developed by SJVAPCD to control air pollution from a wide range of air pollution sources. SJVAPCD also provides uniform procedures for assessing potential air quality impacts of projects and for preparing the air quality section of environmental documents.

Air Quality Management Planning

The EPA requires states that have areas that do not meet the National AAQS to prepare and submit air quality plans showing how the National AAQS will be met. If the states cannot show how the National AAQS will be met, then the states must show progress toward meeting the National AAQS. These plans are referred to as the State Implementation Plans (SIP). CARB requires regions that do not meet California AAQS for ozone to submit clean air plans that describe measures to attain the standard or show progress toward attainment. The following describes the air quality management plans (AQMP) prepared by the SJVAPCD, which are incorporated by reference per CEQA Guidelines Section 15150:

- **2022 Plan for the 2015 8-Hour Ozone Standard.** SJVAPCD adopted the 2022 plan for the 2015 8-hour ozone standard in December 2022. This plan satisfies CAA requirements and ensures expeditious attainment of the 70 parts per billion (ppb) 8-hour ozone standard.

- **2016 Plan for the 2008 8-Hour Ozone Standard.** SJVAPCD adopted the 2016 plan for the 2008 8-hour ozone standard in June 2016. This plan satisfies CAA requirements and ensures expeditious attainment of the 75 ppb 8-hour ozone standard (SJVAPCD 2016a, 2026a).

- **2014 Reasonably Available Control Technology (RACT) SIP.** SJVAPCD adopted the RACT demonstration for ozone SIP in June 2014 (SJVAPCD 2014, 2026a).

- **2013 Plan for the Revoked 1-Hour Ozone Standard.** SJVAPCD adopted the 2013 Plan for the Revoked 1-hour ozone standard in September 2013. In 2013, the Valley had zero violations of the 1-hour federal ozone standard. On May 6, 2014 and July 13, 2015 SJVAPCD submitted formal requests that the EPA

determine that the Valley has attained the federal 1-hour ozone standard. On July 18, 2016, the EPA published in the Federal Register a final action determining that the San Joaquin Valley has attained the 1-hour ozone National AAQS (SJVAPCD 2013, 2026a).

- **2009 Reasonably Available Control Technology (RACT) SIP.** SJVAPCD adopted the RACT demonstration for ozone SIP in April 2009 (SJVAPCD 2009a, 2026a).

- **2007 Ozone Plan.** SJVAPCD adopted the 2007 Ozone Plan in April 2007. This plan addresses the EPA's 8-hour ozone standard of 84 ppb, which was established in 1997 (SJVAPCD 2007a, 2026a).

- **2015 8-Hour Ozone Standard.** The EPA set the National AAQS for 8-hour ozone at 70 ppb effective December 28, 2015. The EPA designated the San Joaquin Valley as Extreme nonattainment for this standard in August 2018, with an attainment deadline of 2037. SJVACPD is mandated under federal CAA requirements to develop a new attainment plan for the revised ozone standard by 2022. Despite the significant air quality progress that has been made in the Valley, addressing the 2015 8-hour ozone standard will pose a challenge for the San Joaquin Valley given the naturally high background ozone levels and ozone transport into the Valley. Significant further emissions reductions will be needed to come into attainment of the stringent new standard. This will require concerted ongoing effort by the SJVAPCD working closely with Valley residents, businesses, and other stakeholders to continue implementing effective and efficient air quality measures. The attainment plan for the 2015 federal ozone standard will build upon comprehensive strategies already in place from adopted SJVAPCD plans and CARB statewide strategies. The NOx reduction commitments from the recent 2018 $PM_{2.5}$ Plan, 2016 Ozone Plan, and other ongoing measures will assist the Valley in meeting the 70 ppb federal ozone standard. Strategies for attainment of the 2015 8-hour ozone standard will be developed through a public process, building on decades of effective control strategies (SJVAPCD 2026a).

- **2018 Plan for the 1997, 2006, and 2012 $PM_{2.5}$ Standards.** SJVAPCD adopted the 2018 Plan for the 1997, 2006, and 2012 $PM_{2.5}$ Standards on November 15, 2018. This plan addresses the EPA federal 1997 annual $PM_{2.5}$ standard of 15 $\mu g/m^3$ and 24-hour $PM_{2.5}$ standard of 65 $\mu g/m^3$, the 2006 24-hour $PM_{2.5}$ standard of 35 $\mu g/m^3$, and the 2012 annual $PM_{2.5}$ standard of 12 μg (SJVAPCD 2018, 2026a).

- **2016 Moderate Area Plan for the 2012 $PM_{2.5}$ Standard.** SJVAPCD adopted the 2016 Moderate Area Plan for the 2012 $PM_{2.5}$ standard on September 15, 2016. This plan addresses the EPA federal annual $PM_{2.5}$ standard of 12 $\mu g/m^3$, established in 2012. This plan includes an attainment impracticability demonstration and request for reclassification of the Valley from Moderate nonattainment to Serious nonattainment (SJVAPCD 2016b, 2026a).

- **2015 Plan for the 1997 $PM_{2.5}$ Standard.** SJVAPCD adopted the 2015 Plan for the 1997 $PM_{2.5}$ standard on April 16, 2015. This plan addresses the EPA's annual $PM_{2.5}$ standard of 15 $\mu g/m^3$ and 24-hour $PM_{2.5}$ standard of 65 $\mu g/m^3$, established in 1997 (SJVAPCD 2015a, 2026a).

- **2012 $PM_{2.5}$ Plan.** SJVAPCD adopted the 2012 $PM_{2.5}$ Plan in December 2012. This plan addresses the EPA's 24-hour $PM_{2.5}$ standard of 35 $\mu g/m^3$, which was established by in 2006 (SJVAPCD 2012, 2026a).

2. Regulatory Setting

- **2008 $PM_{2.5}$ Plan.** SJVAPCD adopted the 2008 $PM_{2.5}$ Plan in April 2008. This plan addresses the EPA's annual $PM_{2.5}$ standard of 15 μg/m³, which was established in 1997 (SJVAPCD 2008, 2026a).

- **2007 PM_{10} Maintenance Plan.** SJVAPCD adopted the 2007 PM_{10} Maintenance Plan in September 2007 to ensure the San Joaquin Valley's continued attainment of the EPA's PM_{10} standard. The EPA designated the Valley as an attainment/maintenance area for PM_{10} (SJVAPCD 2007b, 2026a).

- **2004 Revision to the California SIP for Carbon Monoxide.** On July 22, 2004, CARB approved an update to the SIP that shows how the ten areas will maintain the standard through 2018, revises emission estimates, and establishes new on-road motor vehicle emission budgets for transportation conformity purposes (CARB 2004).

SJVAPCD Local Rules and Regulations

Assembly Bill 170, Reyes

AB 170 was adopted by State lawmakers in 2003, creating Government Code Section 65302.1, which requires cities and counties in the San Joaquin Valley to amend their general plans to include data, analysis, and comprehensive goals, policies, and feasible implementation strategies designed to improve air quality. The elements to be amended include, but are not limited to, the elements dealing with land use, circulation, housing, conservation, and open space. Section 65302.1.c identifies four areas of air quality discussion required in these amendments:

- A report describing local air quality conditions, attainment status, and State and federal air quality and transportation plans.

- A summary of local, district, State, and federal policies, programs, and regulations to improve air quality.

- A comprehensive set of goals, policies, and objectives to improve air quality.

- Feasible implementation measures designed to achieve these goals.

Rule 9510: Indirect Source Review

On December 15, 2005, SJVAPCD adopted the Indirect Source Review Rule (or Rule 9510) to reduce ozone precursors (i.e., VOC and NO_X) and PM_{10} emissions from new land use development projects. Specifically, Rule 9510 targets the indirect emissions from vehicles and construction equipment associated with these projects and applies to both construction- and operational-related impacts. The rule applies to any applicant that seeks to gain a final discretionary approval for a development project, or any portion thereof, which upon full buildout would include any one of the following:

- 50 residential units.

- 2,000 square feet of commercial space.

- 25,000 square feet of light industrial space.

- 100,000 square feet of heavy industrial space.
- 20,000 square feet of medical office space.
- 39,000 square feet of general office space.
- 9,000 square feet of educational space.
- 10,000 square feet of government space.
- 20,000 square feet of recreational space.
- 9,000 square feet of space not identified above.
- Transportation/transit projects with construction exhaust emissions of 2 or more tons of NO_x or 2 or more tons of PM_{10}.
- Residential projects on contiguous or adjacent property under common ownership of a single entity, in whole or in part, that is designated and zoned for the same development density and land use, regardless of the number of tract maps, and has the capability of accommodating more than 50 residential units.
- Nonresidential projects on contiguous or adjacent property under common ownership of a single entity, in whole or in part, that is designated and zoned for the same development density and land use, and has the capability of accommodating development projects that emit 2 or more tons per year of NO_X or PM_{10} during project operations.

The rule requires all subject, nonexempt projects[2] to mitigate both construction and operational period emissions by (1) applying feasible SJVAPCD-approved mitigation measures, or (2) paying any applicable fees to support programs that reduce emissions. Off-site emissions reduction fees (off-site fees) are required for projects that do not achieve the required emissions reductions through on-site emission reduction measures. Phased projects can defer payment of fees in accordance with an Offsite Emissions Reduction Fee Deferral Schedule (FDS) approved by the SJVAPCD.

To determine how an individual project would satisfy Rule 9510, each project would submit an air quality impact assessment (AIA) to the SJVAPCD as early as possible, but no later than prior to the project's final discretionary approval, to identify the project's baseline unmitigated emissions inventory for indirect sources: on-site exhaust emissions from construction activities and operational activities from mobile and area sources of emissions (excludes fugitive dust and permitted sources).[3] Rule 9510 requires the following reductions, which are levels that the SJVAPCD has identified as necessary, based on its air quality management plans, to reach attainment for ozone and particulate matter.

[2] Development projects that have a mitigated baseline below 2 tons per year of NO_X and 2 tons per year of PM_{10} are exempt.
[3] Stationary sources of air pollutant emissions are covered separately under SJVAPCD's Rule 2201, New and Modified Stationary Source Review.

2. Regulatory Setting

- **Construction Equipment Emissions.** The exhaust emissions for construction equipment greater than 50 horsepower (hp) used or associated with the development project shall be reduced by the following amounts from the statewide average as estimated by CARB:
  - 20 percent of the total NO_X emissions
  - 45 percent of the total PM_{10} exhaust emissions

  Mitigation measures may include those that reduce construction emissions on-site by using less-polluting construction equipment, which can be achieved by utilizing add-on controls; cleaner fuels; or newer, lower-emitting equipment.

- **Operational Emissions**
  - **NO_x Emissions**. Applicants shall reduce 33.3 percent of the project's operational baseline NO_X emissions over a period of 10 years as quantified in the approved AIA.

  - **PM_{10} Emissions.** Applicants shall reduce of 50 percent of the project's operational baseline PM_{10} emissions over a period of 10 years as quantified in the approved AIA. Mitigation measures may include those that reduce construction emissions on-site by using less-polluting construction equipment, which can be achieved by utilizing add-on controls; cleaner fuels; or newer, lower-emitting equipment.

These requirements can be met through any combination of on-site emission reduction measures. In the event that a project cannot achieve the above standards through imposition of mitigation measures, the project would be required to pay the applicable off-site fees. These fees are used to fund various incentive programs that cover the purchase of new equipment, engine retrofit, and education and outreach.

Rule 2201: New and Modified Stationary Source Review

SJVAPCD adopted Rule 2201, New and Modified Stationary Source Review, to control emissions from new stationary sources and all modifications to existing stationary sources that are subject to SJVAPCD's permit requirements (i.e., "permit projects" for which the SJVAPCD is the lead agency). Permit projects that exceed the Source Performance Standards are required to install Best Available Control Technology to control emissions to the maximum extent practicable.

Regulation VIII: Fugitive PM_{10} Prohibitions

SJVAPCD controls fugitive PM_{10} through Regulation VIII, Fugitive PM_{10} Prohibitions. The purpose of this regulation is to reduce ambient concentrations of PM_{10} and $PM_{2.5}$ by requiring actions to prevent, reduce, or mitigate anthropogenic (human caused) fugitive dust emissions.

- **Regulation VIII, Rule 8021,** applies to any construction, demolition, excavation, extraction, and other earthmoving activities, including but not limited to land clearing, grubbing, scraping, travel on-site, and travel on access roads to and from the site.

- **Regulation VIII, Rule 8031,** applies to the outdoor handling, storage, and transport of any bulk material.

- **Regulation VIII, Rule 8041,** applies to sites where carryout or trackout has occurred or may occur on paved roads or the paved shoulders of public roads.
- **Regulation VIII, Rule 8051,** applies to any open area having 0.5 acre or more in urban areas or 3.0 acres or more in rural areas and contains at least 1,000 square feet of disturbed surface area.
- **Regulation VIII, Rule 8061,** applies to any new or existing public or private paved or unpaved road, road construction project, or road modification project.
- **Regulation VIII, Rule 8071,** applies to any unpaved vehicle/equipment traffic area.
- **Regulation VIII, Rule 8081,** applies to off-field agricultural sources.

Sources regulated are required to provide Dust Control Plans that meet the regulation requirements. Under Rule 8021, a Dust Control Plan is required for any residential project that will include 10 or more acres of disturbed surface area, a nonresidential project with 5 or more acres of disturbed surface area, or a project that relocates 2,500 cubic yards per day of bulk materials for at least three days. The Dust Control Plan is required to be submitted to SJVAPCD prior to the start of any construction activity. The Dust Control Plan must also describe fugitive dust control measure to be implemented before, during, and after any dust-generating activity. For sites smaller than those listed above, the project is still required to notify SJVAPCD a minimum of 48 hours prior to commencing earthmoving activities.

Rule 4102: Nuisance Odors

The SJVAPCD controls nuisance odors through implementation of Rule 4102, Nuisance. Pursuant to this rule,

> ... a person shall not discharge from any source whatsoever such quantities of air contaminants or other materials which cause injury, detriment, nuisance or annoyance to any considerable number of persons or to the public or which endanger the comfort, repose, health, or safety of any such person or the public or which cause or have a natural tendency to cause injury or damage to business or property.

Rule 9410: Employer Based Trip Reduction Program

The SJVAPCD has implemented Rule 9410, Employer Based Trip Reduction. The purpose of this rule is to reduce vehicle miles traveled (VMT) from private vehicles used by employees to commute to and from their worksites to in turn reduce emissions of NO_x, VOC, and particulate matter (PM_{10} and $PM_{2.5}$). The rule applies to employers with at least 100 eligible employees. Employers are required to implement an Employer Trip Reduction Implementation Plan (eTRIP) for each worksite with 100 or more eligible employees to meet applicable targets specified in the rule. Employers are required to facilitate the participation of the development of eTRIPs by providing information to their employees explaining the requirements and applicability of this rule. Employers are required to prepare and submit an eTRIP for each worksite to SJVAPCD. The eTRIP must be updated annually. Under this rule, employers shall collect information on the modes of transportation used for each eligible employee's commutes both to and from work for every day of the commute verification period, as defined by using either the mandatory commute verification method or a representative survey method.

Annual reporting includes the results of the commute verification for the previous calendar year along with the measures implemented as outlined in the eTRIP and, if necessary, any updates to the eTRIP.

2.2 GREENHOUSE GAS EMISSIONS

2.2.1 Environmental Background

Scientists have concluded that human activities are contributing to global climate change by adding large amounts of heat-trapping gases, known as GHGs, to the atmosphere. The primary source of these GHGs is fossil fuel use. The Intergovernmental Panel on Climate Change (IPCC) has identified four major GHGs—water vapor, carbon dioxide (CO_2), methane (CH_4), and ozone (O_3)—that are the likely cause of an increase in global average temperatures observed in the 20th and 21st centuries. Other GHGs identified by the IPCC that contribute to global warming to a lesser extent are nitrous oxide (N_2O), sulfur hexafluoride (SF_6), hydrofluorocarbons, perfluorocarbons, and chlorofluorocarbons (IPCC 2001).[4,5] The major GHGs are briefly described below.

- **Carbon dioxide (CO_2)** enters the atmosphere through the burning of fossil fuels (oil, natural gas, and coal), solid waste, trees and wood products, and respiration, and also as a result of other chemical reactions (e.g., manufacture of cement). Carbon dioxide is removed from the atmosphere (sequestered) when it is absorbed by plants as part of the biological carbon cycle.

- **Methane (CH_4)** is emitted during the production and transport of coal, natural gas, and oil. Methane emissions also result from livestock and other agricultural practices and from the decay of organic waste in municipal landfills and water treatment facilities.

- **Nitrous oxide (N_2O)** is emitted during agricultural and industrial activities as well as during the combustion of fossil fuels and solid waste.

GHGs are dependent on the lifetime, or persistence, of the gas molecule in the atmosphere. Some GHGs have a stronger greenhouse effect than others. These are referred to as high global warming potential (GWP) gases. The GWP of GHG emissions are shown in Table 4, *GHG Emissions and Their Relative Global Warming Potential Compared to CO_2*. The GWP is used to convert GHGs to CO_2-equivalence (CO_2e) to show the relative potential that different GHGs have to retain infrared radiation in the atmosphere and contribute to the greenhouse

[4] Water vapor (H_2O) is the strongest GHG and the most variable in its phases (vapor, cloud droplets, ice crystals). However, water vapor is not considered a pollutant, because it is considered part of the feedback loop rather than a primary cause of change.

[5] Black carbon contributes to climate change both directly, by absorbing sunlight, and indirectly, by depositing on snow (making it melt faster) and by interacting with clouds and affecting cloud formation. Black carbon is the most strongly light-absorbing component of particulate matter emitted from burning fuels such as coal, diesel, and biomass. Reducing black carbon emissions globally can have immediate economic, climate, and public health benefits. California has been an international leader in reducing emissions of black carbon, with close to 95 percent control expected by 2020 due to existing programs that target reducing particulate matter from diesel engines and burning activities (CARB 2017a). However, state and national GHG inventories do not include black carbon yet due to ongoing work resolving the precise global warming potential of black carbon. Guidance for CEQA documents does not yet include black carbon.

effect. For example, under IPCC's Fifth Assessment Report (AR5), GWP values for CH_4, 10 metric tons (MT) of CH_4 would be equivalent to 280 MT of CO_2.

Table 4 GHG Emissions and Their Relative Global Warming Potential Compared to CO2

GHGs	Carbon Dioxide (CO_2)	Methane[1] (CH_4)	Nitrous Oxide (N_2O)
Fourth Assessment			
Global Warming Potential Relative to CO_2[2]	1	25	298
Fifth Assessment			
Global Warming Potential Relative to CO_2[2]	1	28	265
Sixth Assessment			
Global Warming Potential Relative to CO_2[2]	1	30	273

Source: IPCC 2007, 2013, and 2023.

Notes: The IPCC published updated GWP values in its Sixth Assessment Report (AR6) that reflect latest information on atmospheric lifetimes of GHGs and an improved calculation of the radiative forcing of CO2. However, GWP values identified in AR5 are used by the 2022 Scoping Plan for long-term emissions forecasting.

1 The methane GWP includes direct effects and indirect effects due to the production of tropospheric ozone and stratospheric water vapor. The indirect effect due to the production of CO2 is not included.

2 Based on 100 year time horizon of the GWP of the air pollutant compared to CO2.

2.2.1.1 CALIFORNIA'S GREENHOUSE GAS SOURCES AND RELATIVE CONTRIBUTION

In 2025, the statewide GHG emissions inventory was updated for 2000 to 2023 emissions using the GWPs in IPCC's AR4 and reported that California produced 360.4 $MMTCO_2e$ GHG emissions in 2023 (3.0 percent lower than 2022 levels). Since peak levels in 2004, California's GHG emissions have generally followed a decreasing trend. By 2014, statewide GHG emissions dropped below the 2020 GHG limit (AB 32 target for year 2020) and have remained below that limit ever since. Additionally, the carbon intensity of California's economy (the amount of carbon pollution per million dollars of gross state product) is declining (CARB 2025b).

California's transportation sector remains the largest source of GHG emissions, producing 37.1 percent of the state's total emissions. Industrial sector emissions make up 18.6 percent, and electric power generation make up 15.9 percent of the state's emissions inventory. Other major sectors of GHG emissions include residential and commercial (12.0 percent), agriculture and forestry (8.1 percent), high GWP emissions (5.9 percent), and recycling and waste (2.4 percent).

Emissions from the transportation sector (e.g., on-road vehicles) have generally decreased since their peak in 2002, but this sector has experienced periods of growth and decline. A decrease through 2023 was primarily due to reductions from on-road sources, likely from an increased use in EVs and more fuel-efficient vehicles over that timeframe, and the subsequent decrease in the amount of fuel used. Electricity emissions also have decreased since the early 2000s due to the deployment of renewable and less carbon-intensive resources, leading to reduced dependence on fossil-fuel electricity generation. Emissions from the industrial sector decreased from 2022, largely due to the continued downward trend in oil and gas production (CARB 2025b).

2. Regulatory Setting

2.2.1.2 HUMAN INFLUENCE ON CLIMATE CHANGE

For approximately 1,000 years before the Industrial Revolution, the amount of GHGs in the atmosphere remained relatively constant. During the 20th century, however, scientists observed a rapid change in the climate and the quantity of climate change pollutants in the Earth's atmosphere that is attributable to human activities.

The recent IPCC Sixth Assessment Report (AR6) summarizes the latest scientific consensus on climate change. It finds that atmospheric concentrations of CO_2 have increased by 50 percent since the Industrial Revolution and continue to increase at a rate of two parts per million each year. By the 2030s, and no later than 2040, the world will exceed 1.5°C warming (CARB 2022). These recent changes in the quantity and concentration of climate change pollutants far exceed the extremes of the ice ages, and the global mean temperature is warming at a rate that cannot be explained by natural causes alone. Human activities are directly altering the chemical composition of the atmosphere through the buildup of climate change pollutants (CAT 2006). In the past, gradual changes in the Earth's temperature changed the distribution of species, availability of water, and other conditions. Human activities are accelerating this process so that environmental impacts associated with climate change no longer occur in a geologic time frame but within a human lifetime (IPCC 2007).

Like the variability in the projections of the expected increase in global surface temperatures, the environmental consequences of gradual changes in the Earth's temperature are hard to predict. Projections of climate change depend heavily upon future human activity. Therefore, climate models are based on different emission scenarios that account for historical trends in emissions and on observations of the climate record that assess the human influence of the trend and projections for extreme weather events. Climate-change scenarios are affected by varying degrees of uncertainty. For example, there are varying degrees of certainty on the magnitude of the trends for:

- Warmer and fewer cold days and nights over most land areas.
- Warmer and more frequent hot days and nights over most land areas.
- An increase in frequency of warm spells/heat waves over most land areas.
- An increase in frequency of heavy precipitation events (or proportion of total rainfall from heavy falls) over most areas.
- Larger areas affected by drought.
- Intense tropical cyclone activity increases.
- Increased incidence of extreme high sea level (excluding tsunamis).

2.2.1.3 POTENTIAL CLIMATE CHANGE IMPACTS FOR CALIFORNIA

There is at least a greater than 50 percent likelihood that global warming will reach or exceed 1.5°C in the near-term, even for the very low GHG emissions scenario (IPCC 2022). Climate change is already impacting California and will continue to affect it for the foreseeable future. For example, the average temperature in most areas of California is already 1°F (~0.56°C) higher than historical levels, and some areas have seen average

increases in excess of 2°F (~1.1°C) (CalOES 2020). The California Fourth Climate Change Assessment identifies the following climate change impacts under a business-as-usual scenario, in which no new actions are taken to curb GHG emissions:

- Annual average daily high temperatures in California are expected to rise by 2.7°F by 2040, 5.8°F by 2070, and 8.8°F by 2100 compared to observed and modeled historical conditions. These changes are statewide averages. Heat waves are projected to become longer, more intense, and more frequent.
- Warming temperatures are expected to increase soil moisture loss and lead to drier seasonal conditions. Summer dryness may become prolonged, with soil drying beginning earlier in the spring and lasting longer into the fall and winter rainy season.
- High heat increases the risk of death from cardiovascular, respiratory, cerebrovascular, and other diseases.
- Droughts are likely to become more frequent and persistent through 2100.[6]
- Climate change is projected to increase the strength of the most intense precipitation and storm events affecting California.
- Mountain ranges in California are already seeing a reduction in the percentage of precipitation falling as snow. Snowpack levels are projected to decline significantly by 2100 due to reduced snowfall and faster snowmelt.
- Marine layer clouds are projected to decrease, though more research is needed to better understand their sensitivity to climate change.
- Extreme wildfires (i.e., fires larger than 10,000 hectares or 24,710 acres) would occur 50 percent more frequently. The maximum area burned statewide may increase 178 percent by the end of the century.
- Exposure to wildfire smoke is linked to increased incidence of respiratory illness.
- Sea level rise is expected to continue to increase erosion of beaches, cliffs, and bluffs. (CalOES 2020)

Global climate change risks to California are shown in Table 5, *Summary of GHG Emissions Risks to California*, and include impacts to public health, water resources, agriculture, coastal sea level, forest and biological resources, and energy.

[6] Overall, California has become drier over time, with five of the eight years of severe to extreme drought occurring between 2007 and 2016, and with unprecedented dry years in 2014 and 2015 (OEHHA 2018). Statewide precipitation has become increasingly variable from year to year, with the driest consecutive four years occurring from 2012 to 2015 (OEHHA 2018).

2. Regulatory Setting

Table 5 Summary of GHG Emissions Risks to California

Impact Category	Potential Risk
Public Health Impacts	Heat waves will be more frequent, hotter, and longer Fewer extremely cold nights Poor air quality made worse Higher temperatures increase ground-level ozone levels
Water Resources Impacts	Decreasing Sierra Nevada snowpack Challenges in securing adequate water supply Potential reduction in hydropower Loss of winter recreation
Agricultural Impacts	Increasing temperature Increasing threats from pests and pathogens Expanded ranges of agricultural weeds Declining productivity Irregular blooms and harvests
Coastal Sea Level Impacts	Accelerated sea level rise Increasing coastal floods Shrinking beaches Worsened impacts on infrastructure
Forest and Biological Resource Impacts	Increased risk and severity of wildfires Lengthening of the wildfire season Movement of forest areas Conversion of forest to grassland Declining forest productivity Increasing threats from pest and pathogens Shifting vegetation and species distribution Altered timing of migration and mating habits Loss of sensitive or slow-moving species
Energy Demand Impacts	Potential reduction in hydropower Increased energy demand

Sources: CEC 2006, 2009; CCCC 2012; CNRA 2014.

2.2.2 Regulatory Setting

2.2.2.1 FEDERAL REGULATIONS

The US Environmental Protection Agency (USEPA) announced on December 7, 2009, that GHG emissions threaten the public health and welfare of the American people and that GHG emissions from on-road vehicles contribute to that threat. The USEPA's final findings respond to the 2007 U.S. Supreme Court decision that GHG emissions fit within the Clean Air Act definition of air pollutants. The findings do not impose any emission reduction requirements, but allow the USEPA to finalize the GHG standards proposed in 2009 for new light-duty vehicles as part of the joint rulemaking with the Department of Transportation (USEPA 2009).

To regulate GHGs from passenger vehicles, the USEPA was required to issue an endangerment finding (USEPA 2025a). The finding identified emissions of six key GHGs—CO_2, CH_4, N_2O, hydrofluorocarbons, perfluorocarbons, and SF_6—that have been the subject of scrutiny and intense analysis for decades by scientists in the United States and around the world. The first three are applicable to the Proposed Project's GHG

emissions inventory because they constitute the majority of GHG emissions and should be evaluated as part of a project's GHG emissions inventory.

On January 20, 2025, the President of the United States signed an executive order, *Unleashing American Energy*, which directed the USEPA to eliminate the social cost of carbon calculation from any federal permitting or regulatory decision and submit recommendations on the legality and continued applicability of the 2009 endangerment finding, among other directives (White House 2025). On July 29, 2025, the USEPA released its proposal to rescind the 2009 endangerment finding and repeal all GHG emission standards for light-duty, medium-duty, and heavy-duty vehicles and engines pursuant to CAA Section 202(a) (USEPA 2025d). The proposed rule would remove GHG-related provisions from 40 CFR Part 600 without affecting provisions related to Corporate Average Fuel Economy (CAFE) standards and fuel economy labeling (Vol. 90 Federal Register, No. 146, 36288.). On February 12, 2026, USEPA finalized its rescission of the 2009 Greenhouse Gas Endangerment Finding.

US Mandatory Report Rule for GHGs (2009)

In response to the endangerment finding, the EPA issued the Mandatory Reporting of GHG Rule that requires substantial emitters of GHG emissions (large stationary sources, etc.) to report GHG emissions data. Facilities that emit 25,000 $MTCO_2e$ or more per year are required to submit an annual report.

Corporate Average Fuel Economy Standards

The Energy Policy and Conservation Act of 1975 was established in response to the 1973 oil crisis. The act created the Strategic Petroleum Reserve, established vehicle fuel economy standards, and prohibited the export of U.S. crude oil (with a few limited exceptions). It also created Corporate Average Fuel Economy (CAFE) standards for passenger cars starting in model year 1978. The CAFE Standards are updated periodically to account for changes in vehicle technologies, driver behavior, and/or driving conditions.

The federal government issued new CAFE standards in 2012 for model years 2017 to 2025, which required a fleet average of 54.5 miles per gallon (mpg) in 2025. On March 30, 2020, the EPA finalized updated CAFE and greenhouse gas (GHG) emissions standards for passenger cars and light trucks and established new standards covering model years 2021 through 2026, known as the Safer Affordable Fuel Efficient (SAFE) Vehicles Final Rule for Model Years 2021 to 2026. On December 21, 2021, under direction of Executive Order 13990 issued by President Biden, the National Highway Traffic Safety Administration (NHTSA) repealed SAFE Vehicles Rule Part One, which had preempted State and local laws related to fuel economy standards. In addition, on March 31, 2022, the NHTSA finalized new fuel standards that will increase fuel efficiency eight percent annually for model years 2024 to 2025 and 10 percent annually for model year 2026. Overall, the new CAFE standards require a fleet average of 49 mpg for passenger vehicles and light trucks for model year 2026, which will be a 10 mpg increase compared to model year 2021 (NHTSA 2022).

On June 7, 2024, the NHTSA announced final CAFE standards for passenger cars and light trucks built in model years 2027 to 2031 and final fuel efficiency standards for heavy-duty pickup trucks and vans built in model years 2030 to 2035. The final rules establish standards that would require an industry fleetwide average of approximately 50.4 mpg for passenger cars and light trucks in model year 2031, by increasing fuel economy by 2 percent year over year for passenger cars (model years 2027–2031) and for light trucks (model years 2029–

2031). For heavy-duty pickup trucks and vans, the final rule would increase fuel efficiency at a rate of 10 percent per year (model years 2030–2032) and 8 percent per year (model years 2033–2035) (NHTSA 2024). However, the NHTSA released new proposed standards on December 3, 2025 under the SAFE Vehicle Rule III. The new proposed CAFE standards set a 0.5 percent increase in fuel efficiency per year for model year 2023 through 2026 passenger vehicle and light trucks. In addition, it also sets a 0.35 percent and 0.70 percent increase for MY 2027 passenger vehicles and light trucks, respectively, a 0.25 percent increase for MY 2028-2031 light duty vehicles, and a fuel economy standard of 34.5 MPG for MY 2031 light duty vehicles (NHTSA 2025b).

Furthermore, on June 11, 2025, the NHTSA published the final rule, "Resetting the Corporate Average Fuel Economy Program." This interpretive rule issued by the NHTSA does not immediately change or reverse current fuel economy standards; however, the rule clarifies the NHTSA's interpretation of its obligations for CAFE standards stemming from the Energy Policy and Conservation Act of 1975 and the Energy Independence and Security Act of 2007. The rule asserts that some regulations, such as those established under previous presidential administrations, improperly considered electric vehicles (EVs) when identifying the "maximum feasibility" average fuel economy level upon which CAFE standards are developed, thereby establishing a legal foundation for future rollbacks of CAFE standards (NHTSA 2025a).

Multi-Pollutant Emissions Standards for Model Years 2027 and Later Light-Duty and Medium-Duty Vehicles

In 2024, the USEPA issued a final rule, "Multi-Pollutant Emissions Standards for Model Years 2027 and Later Light-Duty and Medium-Duty Vehicles," that sets new, more protective standards to reduce harmful air pollutant emissions from light-duty and medium-duty vehicles starting with MY 2027 (USEPA 2025b).

2.2.2.2 STATE LAWS

Current State of California guidance and goals for reductions in GHG emissions are generally embodied in Executive Orders (EO) S-03-05 and B-30-15, AB 32, SB 32, and SB 375.

Executive Order S-03-05

EO S-03-05, signed June 1, 2005, set the following GHG reduction targets for the state:

- 2000 levels by 2010
- 1990 levels by 2020
- 80 percent below 1990 levels by 2050

Assembly Bill 32, the Global Warming Solutions Act (2006)

Commonly known as its legislative bill number (AB 32), this act was signed August 31, 2006, to reduce California's contribution of GHG emissions. AB 32 follows the 2020 tier of emissions-reduction targets established in EO S-03-05. The California Air Resources Board (CARB) prepared the 2008 Scoping Plan to outline a plan to achieve the GHG emissions reduction targets of AB 32.

Executive Order B-30-15

EO B-30-15, signed April 29, 2015, set a goal of reducing GHG emissions within the state to 40 percent of 1990 levels by year 2030. EO B-30-15 also directed CARB to update the Scoping Plan to quantify the 2030 GHG reduction goal for the state and required state agencies to implement measures to meet the interim 2030 goal as well as the long-term goal for 2050 in EO S-03-05. It required the Natural Resources Agency to conduct triennial updates of the California adaption strategy, "Safeguarding California," to ensure climate change is accounted for in state planning and investment decisions.

Senate Bill 32 and Assembly Bill 197

In September 2016, Governor Brown signed Senate Bill 32 and Assembly Bill 197, making the Executive Order goal for year 2030 into a statewide, mandated legislative target. AB 197 established a joint legislative committee on climate change policies and requires CARB to prioritize direction emissions reductions rather than the market-based cap-and-trade program for large stationary, mobile, and other sources.

Executive Order B-55-18

EO B-55-18, signed September 10, 2018, sets a goal "to achieve carbon neutrality as soon as possible, and no later than 2045, and achieve and maintain net negative emissions thereafter." EO B-55-18 directs CARB to work with relevant State agencies to ensure future Scoping Plans identify and recommend measures to achieve the carbon neutrality goal. The goal of carbon neutrality by 2045 is in addition to other statewide goals, meaning not only should emissions be reduced to 80 percent below 1990 levels by 2050, but that, by no later than 2045, the remaining emissions should be offset by equivalent net removals of CO_2e from the atmosphere, including through sequestration in forests, soils, and other natural landscapes.

Assembly Bill 1279

On August 31, 2022, the California Legislature passed AB 1279, which requires California to achieve net-zero GHG emissions no later than 2045 and to achieve and maintain negative GHG emissions thereafter. Additionally, AB 1279 also establishes a GHG emissions reduction goal of 85 percent below 1990 levels by 2045. CARB will be required to update the scoping plan to identify and recommend measures to achieve the net-zero and GHG emissions-reduction goals.

2022 Scoping Plan Update

CARB adopted the *2022 Scoping Plan for Achieving Carbon Neutrality* (2022 Scoping Plan) on December 15, 2022, which lays out a path to achieve carbon neutrality by 2045 or earlier and to reduce the state's anthropogenic GHG emissions (CARB 2022). The Scoping Plan was updated to address the carbon neutrality goals of EO B-55-18 (discussed below) and the ambitious GHG reduction target as directed by AB 1279. Previous Scoping Plans focused on specific GHG reduction targets for our industrial, energy, and transportation sectors—to meet 1990 levels by 2020, and then the more aggressive 40 percent below that for the 2030 target. This plan expands upon earlier Scoping Plans with a target of reducing anthropogenic emissions to 85 percent below 1990 levels by 2045. Carbon neutrality takes it one step further by expanding actions to capture and store carbon, including through natural and working lands and mechanical technologies, while drastically reducing anthropogenic sources of carbon pollution at the same time.

2. Regulatory Setting

The path forward was informed by the recent Sixth Assessment Report (AR6) of the IPCC, and the measures would achieve 85 percent below 1990 levels by 2045 in accordance AB 1279. CARB's 2022 Scoping Plan identifies strategies shown in Table 6, *Priority Strategies for Local Government Climate Action Plans*, that would be most impactful at the local level for ensuring substantial process towards the State's carbon neutrality goals.

Table 6 Priority Strategies for Local Government Climate Action Plans

Priority Area	Priority Strategies
Transportation Electrification	Convert local government fleets to zero-emission vehicles (ZEV) and provide EV charging at public sites.
	Create a jurisdiction-specific ZEV ecosystem to support deployment of ZEVs statewide (such as building standards that exceed state building codes, permit streamlining, infrastructure siting, consumer education, preferential parking policies, and ZEV readiness plans).
VMT Reduction	Reduce or eliminate minimum parking standards.
	Implement Complete Streets policies and investments, consistent with general plan circulation element requirements.
	Increase access to public transit by increasing density of development near transit, improving transit service by increasing service frequency, creating bus priority lanes, reducing or eliminating fares, microtransit, etc.
	Increase public access to clean mobility options by planning for and investing in electric shuttles, bike share, car share, and walking
	Implement parking pricing or transportation demand management pricing strategies.
	Amend zoning or development codes to enable mixed-use, walkable, transit-oriented, and compact infill development (such as increasing allowable density of the neighborhood).
	Preserve natural and working lands by implementing land use policies that guide development toward infill areas and do not convert "greenfield" land to urban uses (e.g., green belts, strategic conservation easements)
Building Decarbonization	Adopt all-electric new construction reach codes for residential and commercial uses.
	Adopt policies and incentive programs to implement energy efficiency retrofits for existing buildings, such as weatherization, lighting upgrades, and replacing energy-intensive appliances and equipment with more efficient systems (such as EnergyStar-rated equipment and equipment controllers).
	Adopt policies and incentive programs to electrify all appliances and equipment in existing buildings such as appliance rebates, existing building reach codes, or time of sale electrification ordinances.
	Facilitate deployment of renewable energy production and distribution and energy storage on privately owned land uses (e.g., permit streamlining, information sharing).
	Deploy renewable energy production and energy storage directly in new public projects and on existing public facilities (e.g., solar photovoltaic systems on rooftops of municipal buildings and on canopies in public parking lots, battery storage systems in municipal buildings).

Source: CARB 2022.

For residential and mixed-use development projects, CARB recommends this first approach to demonstrate that these land use development projects are aligned with State climate goals based on the attributes of land use development that reduce operational GHG emissions while simultaneously advancing fair housing. Attributes that accommodate growth in a manner consistent with the GHG and equity goals of SB 32 have all the following attributes:

- **Transportation Electrification**
  - Provide EV charging infrastructure that, at a minimum, meets the most ambitious voluntary standards in the California Green Building Standards Code at the time of project approval.

- **VMT Reduction**
  - Is located on infill sites that are surrounded by existing urban uses and reuses or redevelops previously undeveloped or underutilized land that is presently served by existing utilities and essential public services (e.g., transit, streets, water, sewer).
  - Does not result in the loss or conversion of the State's natural and working lands.
  - Consists of transit-supportive densities (minimum of 20 residential dwelling units/acre) or is in proximity to existing transit stops (within a half mile) or satisfies more detailed and stringent criteria specified in the region's Sustainable Communities Strategy (SCS).
  - Reduces parking requirements by:
    - Eliminating parking requirements or including maximum allowable parking ratios (i.e., the ratio of parking spaces to residential units or square feet); or
    - Providing residential parking supply at a ratio of <1 parking space per dwelling unit; or
    - For multifamily residential development, requiring parking costs to be unbundled from costs to rent or own a residential unit.
  - At least 20 percent of the units are affordable to lower-income residents;
  - Result in no net loss of existing affordable units.
- **Building Decarbonization**
  - Use all electric appliances without any natural gas connections and does not use propane or other fossil fuels for space heating, water heating, or indoor cooking (CARB 2022).

The second approach to project-level alignment with state climate goals is net zero GHG emissions, especially for new residential projects. The third approach to demonstrating project-level alignment with State climate goals is to align with GHG thresholds of significance, which many local air quality management and air pollution control districts have developed or adopted (CARB 2022).

Senate Bill 375

In 2008, SB 375, the Sustainable Communities and Climate Protection Act, was adopted to connect the GHG emissions reductions targets established in the 2008 Scoping Plan for the transportation sector to local land use decisions that affect travel behavior. Its intent is to reduce GHG emissions from light-duty trucks and automobiles (excludes emissions associated with goods movement) by aligning regional long-range transportation plans, investments, and housing allocations to local land use planning to reduce VMT and vehicle trips. Specifically, SB 375 required CARB to establish GHG emissions reduction targets for each of the 18 metropolitan planning organizations (MPO). The Kern Council of Governments (Kern COG) is the MPO for the County of Kern and its 11 incorporated cities, including Bakersfield.

2. Regulatory Setting

Pursuant to the recommendations of the Regional Transportation Advisory Committee, CARB adopted per capita reduction targets for each of the MPOs rather than a total magnitude reduction target. CARB is required to update the targets for the MPOs every eight years. In June 2017, CARB released updated targets and technical methodology, and then released another update in February 2018, which became effective in October 2018. CARB staff began the target update process in 2024 with a public workshop and plans to conclude it in 2026 with Board approval of the new targets (CARB 2025a).

The updated targets consider the need to further reduce VMT, as identified in the 2017 Scoping Plan Update, while balancing the need for additional and more flexible revenue sources to incentivize positive planning and action toward sustainable communities. The updated SB 375 targets are in units of percent per capita reduction in GHG emissions from automobiles and light trucks compared to 2005. This excludes reductions anticipated from implementation of State technology and fuels strategies and any potential future State strategies such as statewide road user pricing. The updated targets call for greater per-capita GHG emission reductions from SB 375 than were currently in place, which for 2035 translates into updated targets that either match or exceed the emission reduction levels in the MPOs' currently adopted SCSs. CARB's updated targets result in an additional reduction of over 8 $MMTCO_2e$ in 2035 compared to the prior targets (CARB 2018).

Kern COG's Regional Transportation Plan/Sustainable Communities Strategy

The Kern COG 2022 Regional Transportation Plan/Sustainable Communities Strategy (2022 RTP/SCS), which covers a 24-year period, is the latest adopted RTP/SCS and integrates transportation, land use, and housing in the planning process (Kern COG 2022). The 2022 RTP/SCS provides the foundation for transportation decisions by local, regional, and state officials; documents the region's mobility needs and issues; identifies and attempts to resolve regional issues and provide policy and direction for local transportation plans; documents the region's goals, policies, and objectives for meeting current and future transportation mobility needs; defines an action plan to address transportation issues and needs, consistent with regional and state policies; identifies transportation improvements in sufficient detail to aid in the development of the state transportation improvement program and to be useful in making decisions related to the development and growth of the region; identifies the agencies responsible for implementing action plans; and documents the region's financial resources needed to meet mobility needs. Overall, the 2022 RTP/SCS identifies that the Kern COG region will meet its per capita targets for both 2020 and 2035 at 9 percent and 15 percent, respectively (Kern COG 2022). The Kern COG is currently preparing the 2026 RTP/SCS, which would replace the 2022 RTP/SCS once adopted.

Transportation Sector–Specific Regulations

Assembly Bill 1493

California vehicle GHG emission standards were enacted under AB 1493 (Pavley I). Pavley I is a clean-car standard that reduces GHG emissions from new passenger vehicles (light-duty auto to medium-duty vehicles) from 2009 through 2016 and is anticipated to reduce GHG emissions from new passenger vehicles by 30 percent in 2016. California implements the Pavley I standards through a waiver granted to California by the EPA. In January 2012, CARB approved the Advanced Clean Cars program (formerly known as Pavley II) for model years 2017 through 2025. The program combines the control of smog, soot, and global warming gases

with requirements for greater numbers of ZE vehicles into a single package of standards. Under California's Advanced Clean Car program, by 2025 new automobiles will emit 34 percent less global warming gases and 75 percent less smog-forming emissions. (CARB 2017c)

Executive Order S-01-07

On January 18, 2007, the state set a new low-carbon fuel standard for transportation fuels sold in the state. EO S-01-07 sets a declining standard for GHG emissions measured in CO_2e gram per unit of fuel energy sold in California. The LCFS required a reduction of 2.5 percent in the carbon intensity of California's transportation fuels by 2015 and a reduction of at least 10 percent by 2020. In 2018, the LCFS was amended to include a year 2030 reduction goal of at least 20 percent in the carbon intensity of transportation fuels. The standard applies to refiners, blenders, producers, and importers of transportation fuels and would use market-based mechanisms to allow these providers to choose how they reduce emissions during the "fuel cycle" using the most economically feasible methods.

Executive Order B-16-2012

On March 23, 2012, the State announced that CARB, the California Energy Commission (CEC), the Public Utilities Commission, and other relevant agencies worked with the Plug-in Electric Vehicle Collaborative and the California Fuel Cell Partnership to establish benchmarks to accommodate ZE vehicles in major metropolitan areas, including infrastructure to support them (e.g., electric vehicle charging stations). The EO directed an increase in the number of ZE vehicles in California's state fleet through the normal course of fleet replacement so that at least 10 percent of fleet purchases of light-duty vehicles would be ZE by 2015 and at least 25 percent by 2020. The EO also established a target for the transportation sector of reducing GHG emissions to 80 percent below 1990 levels.

Executive Order N-79-20

On September 23, 2020, Governor Newsom signed EO N-79-20, which sets a course to end sales of internal combustion passenger vehicles. EO N-79-20 set a statewide goal that 100 percent of in-state sales of new passenger cars and trucks will be ZE by 2035. Additionally, the fleet goals for truck are that 100 percent of drayage trucks be ZE by 2035 and 100 percent of medium- and heavy-duty vehicles in the state be ZE by 2045, where feasible. EO N-79-20 also identifies a goal for the state to transition to 100 percent ZE off-road vehicles and equipment by 2035, where feasible. Advanced Clean Cars II (ACC II) approved by CARB on August 25, 2022, codified the zero-emission vehicle transition goal established under EO-N-79-20 and set low-emission and zero-emission vehicle standards for model year 2026 through 2035 vehicles. However, on May 22, 2025, the U.S. Senate voted to revoke the waiver granted by the Biden administration for the ACC II program through congressional resolution (House Joint Resolution 88). On June 12, 2025, President Trump signed the resolution, which formally nullified ACC II. Currently, implementation of ACC II is unknown.

2. Regulatory Setting

Renewables Portfolio: Carbon Neutrality Regulations

Senate Bills 1078, 107, and X1-2 and Executive Order S-14-08

A major component of California's Renewable Energy Program is the renewables portfolio standard established under Senate Bills 1078 (Sher) and 107 (Simitian). Under the RPS, certain retail sellers of electricity were required to increase the amount of renewable energy each year by at least 1 percent and to reach at least 20 percent by December 30, 2010. EO S-14-08, signed in November 2008, expanded the State's renewable energy standard to 33 percent renewable power by 2020. This standard was adopted by the legislature in 2011 (SB X1-2). Renewable sources of electricity include wind, small hydropower, solar, geothermal, biomass, and biogas. The increase in renewable sources for electricity production will decrease indirect GHG emissions from development projects because electricity production from renewable sources is generally considered carbon neutral.

Senate Bill 350

Senate Bill 350 (de Leon), was signed into law in September 2015. SB 350 establishes tiered increases to the RPS of 40 percent by 2024, 45 percent by 2027, and 50 percent by 2030. SB 350 also set a new goal to double the energy efficiency savings in electricity and natural gas through energy efficiency and conservation measures.

Senate Bill 100

On September 10, 2018, Governor Brown signed SB 100, which replaced the SB 350 requirement of 45 percent renewable energy by 2027 with the requirement of 50 percent by 2026 and raises California's RPS requirements for 2030 from 50 percent to 60 percent. SB 100 also sets RPS requirements for publicly owned utilities to consist of 44 percent renewable energy by 2024, 52 percent by 2027, and 60 percent by 2030. The bill establishes an overall state policy that eligible renewable energy resources and zero-carbon resources supply 100 percent of all retail sales of electricity to California end-use customers and 100 percent of electricity procured to serve all state agencies by December 31, 2045. Under the bill, the state cannot increase carbon emissions elsewhere in the western grid or allow resource shuffling to achieve the 100 percent carbon-free electricity target.

Executive Order B-55-18

EO B-55-18, signed September 10, 2018, sets a goal "to achieve carbon neutrality as soon as possible, and no later than 2045, and achieve and maintain net negative emissions thereafter." EO B-55-18 directs CARB to work with relevant state agencies to ensure future Scoping Plans identify and recommend measures to achieve the carbon neutrality goal. The goal of carbon neutrality by 2045 is in addition to other statewide goals, meaning not only should emissions be reduced to 80 percent below 1990 levels by 2050, but that, by no later than 2045, the remaining emissions should be offset by equivalent net removals of CO_2e from the atmosphere, including through sequestration in forests, soils, and other natural landscapes.

Senate Bill 1020

SB 1020 was signed into law on September 16, 2022. It requires renewable energy and zero-carbon resources to supply 90 percent of all retail electricity sales by 2035 and 95 percent by 2040. Additionally, SB 1020 requires all state agencies to procure 100 percent of electricity from renewable energy and zero-carbon resources by 2035.

Energy Efficiency Regulations

California Building Code: Building Energy Efficiency Standards

Energy conservation standards for new residential and nonresidential buildings were adopted by the California Energy Resources Conservation and Development Commission (now the CEC) in June 1977 (24 California Code of Regulations [CCR] Part 6). Part 6 requires the design of building shells and building components to conserve energy. The standards are updated periodically to allow for consideration and possible incorporation of new energy-efficiency technologies and methods.

The 2022 Building Energy Efficiency Standards were adopted on August 11, 2021, and went into effect on January 1, 2023. The 2022 standards encourage efficient electric heat pumps, establish electric-ready requirements for new homes, expand solar photovoltaic (PV) and battery storage standards, strengthen ventilation standards, and more. The 2022 standards require mixed-fuel single-family homes to be electric-ready to accommodate replacement of gas appliances with electric appliances. In addition, the standards also include prescriptive PV system and battery requirements for high-rise, multifamily buildings (i.e., more than three stories) and noncommercial buildings such as hotels, offices, medical offices, restaurants, retail stores, schools, warehouses, theaters, and convention centers (CEC 2021). The 2025 Building Energy Efficiency Standards were adopted September 24, 2024, and became effective and replaced the 2022 Building Energy Efficiency Standards on January 1, 2026. Updates under the 2025 Building Energy Efficiency Standards include electric-ready requirements for some multi-family buildings and commercial kitchens and solar and battery energy storage requirements for assembly buildings including religious worship, sports, and recreational buildings.

Under the prescriptive pathway, a new development's building design is considered the "Standard Design Building," which represents the energy-efficiency performance of that project should it include all prescribed features (e.g., solar, battery storage) with no additional energy-efficiency features beyond what is required at minimum under the mandatory requirements and prescriptive pathway. A project may still demonstrate compliance using the performance pathway without inclusion of prescriptive features like solar or battery storage. However, that building design must match or exceed the energy efficiency performance of the Standard Design Building. For example, if a project would be required to include solar and battery storage under the prescriptive pathway, it can choose to comply with the performance pathway and not include solar and battery storage so long as it can demonstrate that it would achieve the same energy-efficiency performance as if solar and battery storage were included.

California Building Code: CALGreen

On July 17, 2008, the California Building Standards Commission adopted the nation's first green building standards. The California Green Building Standards Code (24 CCR, Part 11), or "CALGreen," was adopted as part of the California Building Standards Code. CALGreen established planning and design standards for

sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and internal air contaminants.[7] The mandatory provisions of CALGreen became effective January 1, 2011, and were last updated in 2025. The 2025 CALGreen standards became effective January 1, 2026.

Section 5.408 of CALGreen also requires that at least 65 percent of the nonhazardous construction and demolition waste from nonresidential construction operations be recycled and/or salvaged for reuse.

2006 Appliance Efficiency Regulations

The 2006 Appliance Efficiency Regulations (20 CCR Sections 1601–1608) were adopted by the CEC on October 11, 2006, and approved by the California Office of Administrative Law on December 14, 2006. The regulations include standards for both federally regulated appliances and non–federally regulated appliances. Though these regulations are now often viewed as "business as usual," they exceed the standards imposed by all other states, and they reduce GHG emissions by reducing energy demand.

Solid Waste Regulations

AB 939, Integrated Waste Management Act of 1989

California's Integrated Waste Management Act of 1989 (AB 939) set a requirement for cities and counties throughout the state to divert 50 percent of all solid waste from landfills by January 1, 2000, through source reduction, recycling, and composting (Public Resources Code Sections 40050 et seq.). In 2008, the requirements were modified to reflect a per capita requirement rather than tonnage. To help achieve this, the act requires that each city and county prepare and submit a source reduction and recycling element. AB 939 also established the goal for all California counties to provide at least 15 years of ongoing landfill capacity.

AB 341

AB 341 (Chapter 476, Statutes of 2011) increased the statewide goal for waste diversion to 75 percent by 2020 and required recycling of waste from commercial and multifamily residential land uses. Section 5.408 of CALGreen also requires that at least 65 percent of the nonhazardous construction and demolition waste from nonresidential construction operations be recycled and/or salvaged for reuse.

AB 1327

AB 1327, the California Solid Waste Reuse and Recycling Access Act, requires areas to be set aside for collecting and loading recyclable materials in development projects (Public Resources Code Sections 42900 et seq.). The act required the California Integrated Waste Management Board to develop a model ordinance for adoption by any local agency requiring adequate areas for collection and loading of recyclable materials as part of development projects. Local agencies are required to adopt the model or an ordinance of their own.

[7] The green building standards became mandatory in the 2010 edition of the code.

AB 1826

In October 2014, Governor Brown signed AB 1826, requiring businesses to recycle their organic waste on and after April 1, 2016, depending on the amount of waste they generate per week. This law also required that on and after January 1, 2016, local jurisdictions across the state implement an organic waste recycling program to divert organic waste generated by businesses and multifamily residential dwellings that consist of five or more units. Organic waste means food waste, green waste, landscape and pruning waste, nonhazardous wood waste, and food-soiled paper waste that is mixed in with food waste.

Water Efficiency Regulations

SBX7-7

The 20x2020 Water Conservation Plan was issued by the Department of Water Resources (DWR) in 2010 pursuant to Senate Bill 7, which was adopted during the 7th Extraordinary Session of 2009–2010 and therefore dubbed "SBX7-7." SBX7-7 mandated urban water conservation and authorized the DWR to prepare a plan implementing urban water conservation requirements (20x2020 Water Conservation Plan). In addition, it required agricultural water providers to prepare agricultural water management plans, measure water deliveries to customers, and implement other efficiency measures. SBX7-7 required urban water providers to adopt a water conservation target of 20 percent reduction in urban per capita water use by 2020 compared to 2005 baseline use.

AB 1881

The Water Conservation in Landscaping Act of 2006 requires local agencies to adopt the updated DWR model ordinance or an equivalent. AB 1881 also requires the CEC to consult with the DWR to adopt, by regulation, performance standards and labeling requirements for landscape irrigation equipment, including irrigation controllers, moisture sensors, emission devices, and valves to reduce the wasteful, uneconomic, inefficient, or unnecessary consumption of energy or water.

Short-Lived Climate Pollutant Strategy Reduction

Senate Bill 1383

On September 19, 2016, the Governor signed SB 1383 to supplement the GHG reduction strategies in the Scoping Plan to consider short-lived climate pollutants, including black carbon and methane. Black carbon is the light-absorbing component of fine particulate matter produced during incomplete combustion of fuels. SB 1383 required the state board, no later than January 1, 2018, to approve and begin implementing a comprehensive strategy to reduce emissions of short-lived climate pollutants to achieve a reduction in methane by 40 percent, hydrofluorocarbon gases by 40 percent, and anthropogenic black carbon by 50 percent below 2013 levels by 2030, as specified. The bill also establishes targets for reducing organic waste in landfills. On March 14, 2017, CARB adopted the "Final Proposed Short-Lived Climate Pollutant Reduction Strategy," which identifies the State's approach to reducing anthropogenic and biogenic sources of short-lived climate pollutants. Anthropogenic sources of black carbon include on- and off-road transportation, residential wood burning, fuel combustion (charbroiling), and industrial processes. According to CARB, ambient levels of black carbon in

California are 90 percent lower than in the early 1960s despite the tripling of diesel fuel use (CARB 2017a). In-use on-road rules are to reduce black carbon emissions from on-road sources by 80 percent between 2000 and 2020.

2.3 ENERGY

Federal, state, and local laws, regulations, plans, or guidelines related to energy that are applicable to the proposed project are summarized in this section.

2.3.1 Regulatory Setting

2.3.1.1 FEDERAL REGULATIONS

Federal Energy Policy and Conservation Act

The Energy Policy and Conservation Act of 1975 was established in response to the 1973 oil crisis. The act created the Strategic Petroleum Reserve, established vehicle fuel economy standards, and prohibited the export of U.S. crude oil (with a few limited exceptions). It also created Corporate Average Fuel Economy (CAFE) standards for passenger cars starting in model year 1978. The CAFE Standards are updated periodically to account for changes in vehicle technologies, driver behavior, and/or driving conditions.

The federal government issued new CAFE standards in 2012 for model years 2017 to 2025, which required a fleet average of 54.5 miles per gallon (mpg) in 2025. On March 30, 2020, the EPA finalized updated CAFE and greenhouse gas (GHG) emissions standards for passenger cars and light trucks and established new standards covering model years 2021 through 2026, known as the Safer Affordable Fuel Efficient (SAFE) Vehicles Final Rule for Model Years 2021 to 2026. On December 21, 2021, under direction of Executive Order 13990 issued by President Biden, the National Highway Traffic Safety Administration (NHTSA) repealed SAFE Vehicles Rule Part One, which had preempted State and local laws related to fuel economy standards. In addition, on March 31, 2022, the NHTSA finalized new fuel standards that will increase fuel efficiency eight percent annually for model years 2024 to 2025 and 10 percent annually for model year 2026. Overall, the new CAFE standards require a fleet average of 49 mpg for passenger vehicles and light trucks for model year 2026, which will be a 10 mpg increase compared to model year 2021 (NHTSA 2022).

On June 7, 2024, National Highway Traffic Safety Administration (NHTSA) announced final CAFE standards for passenger cars and light trucks built in model years 2027 to 2031 and final fuel efficiency standards for heavy-duty pickup trucks and vans built in model years 2030 to 2035. The final rules establish standards that would require an industry fleetwide average of approximately 50.4 mpg for passenger cars and light trucks in model year 2031, by increasing fuel economy by 2 percent year over year for passenger cars (model years 2027–2031) and for light trucks (model years 2029–2031). For heavy-duty pickup trucks and vans, the final rule would increase fuel efficiency at a rate of 10 percent per year (model years 2030–2032) and 8 percent per year (model years 2033–2035) (NHTSA 2024).

In June 2025, NHTSA published a final rule, "Resetting the Corporate Average Fuel Economy Program." The rule identifies factors statutorily prohibited from consideration when setting maximum feasible fuel economy

standards under the Energy Policy and Conservation Act of 1975, the Energy Independence and Security Act of 2007, and other applicable law. It also describes NHTSA's authority to bring the CAFE program into compliance with relevant statutory requirements, in accordance with the President Trump's "Unleashing American Energy" Execute Order and the Secretary's "Fixing the CAFE Program" Memorandum. The rule also describes NHTSA's interpretation of its authority for a commercial medium- and heavy-duty on-highway vehicle and work truck fuel efficiency improvement program, to establish the necessary legal foundation to bring that program into compliance with law. This rule does not itself change existing CAFE or medium- and heavy-duty standards. During the rulemaking process for replacement standards, NHTSA will exercise its enforcement authority regarding all existing CAFE and medium- and heavy-duty standards in accordance with the interpretation set forth in this rulemaking (NHTSA 2025).

Energy Independence and Security Act of 2007

The Energy Independence and Security Act of 2007 (Public Law 110-140) seeks to provide the nation with greater energy independence and security by increasing the production of clean renewable fuels; improving vehicle fuel economy; and increasing the efficiency of products, buildings, and vehicles. It also seeks to improve the energy performance of the federal government. The Act set increased CAFE standards, the Renewable Fuel Standard, appliance energy efficiency standards, and building energy efficiency standards and accelerated research and development tasks on renewable energy sources (e.g., solar energy, geothermal energy), carbon capture, and sequestration (USEPA 2025c).

2.3.1.2 STATE LAWS

Warren-Alquist Act

Established in 1974, the Warren-Alquist Act created the California Energy Commission (CEC) in response to the energy crisis of the early 1970s and the state's unsustainable growing demand for energy resources. The CEC's core responsibilities include advancing State energy policy, encouraging energy efficiency, certifying thermal power plants, investing in energy innovation, developing renewable energy, transforming transportation, and preparing for energy emergencies. The Warren-Alquist Act is updated periodically through legislative bills to address current energy needs and issues.

Renewables Portfolio Standard

Senate Bills 1078, 107, and X1-2 and Executive Order S-14-08

The California Renewables Portfolio Standard Program was established in 2002 under SB 1078 (Sher) and 107 (Simitian). The RPS program requires investor-owned utilities, electric service providers, and community choice aggregators to increase the use of eligible renewable energy resources to 33 percent of total procurement by 2020. Initially, certain retail sellers of electricity were required to increase the amount of renewable energy each year by at least 1 percent in order to reach at least 20 percent by December 30, 2010. Executive Order S-14-08 was signed in November 2008 and expanded the state's Renewable Energy Standard to 33 percent renewable power by 2020. This standard was adopted by the legislature in 2011 (SB X1-2). The California Public Utilities Commission is required to provide quarterly progress reports on progress toward RPS goals. This has accelerated the development of renewable energy projects throughout the state. For year 2020, the three largest

retail energy utilities provided an average of 43 percent of its supplies from renewable energy sources. Community choice aggregators provided an average of 41 percent of its supplies from renewable sources (CPUC 2021).

Senate Bill 350

Senate Bill 350 (de Leon) was signed into law September 2015. SB 350 establishes tiered increases to the RPS of 40 percent by 2024, 45 percent by 2027, and 50 percent by 2030. SB 350 also set a new goal to double the energy efficiency savings in electricity and natural gas through energy efficiency and conservation measures.

Senate Bill 100

On September 10, 2018, Governor Brown signed SB 100, which replaced the SB 350 requirements. Under SB 100, the RPS for public-owned facilities and retail sellers consist of 44 percent renewable energy by 2024, 52 percent by 2027, and 60 percent by 2030. SB 100 also established a new RPS requirement of 50 percent by 2026. The bill establishes an overall state policy that eligible renewable energy resources and zero-carbon resources supply 100 percent of all retail sales of electricity to California end-use customers and 100 percent of electricity procured to serve all state agencies by December 31, 2045. Under the bill, the state cannot increase carbon emissions elsewhere in the western grid or allow resource shuffling to achieve the 100 percent carbon-free electricity target.

Senate Bill 1020

SB 1020 was signed into law on September 16, 2022. It requires renewable energy and zero-carbon resources to supply 90 percent of all retail electricity sales by 2035 and 95 percent by 2040. Additionally, SB 1020 requires all state agencies to procure 100 percent of electricity from renewable energy and zero-carbon resources by 2035.

Energy Efficiency Regulations

California Building Code: Building Energy Efficiency Standards

Energy conservation standards for new residential and nonresidential buildings were adopted by the California Energy Resources Conservation and Development Commission (now the CEC) in June 1977 (24 California Code of Regulations [CCR] Part 6). Part 6 requires the design of building shells and building components to conserve energy. The standards are updated periodically to allow for consideration and possible incorporation of new energy-efficiency technologies and methods.

The 2022 Building Energy Efficiency Standards were adopted on August 11, 2021, and went into effect on January 1, 2023. The 2022 standards encourage efficient electric heat pumps, establish electric-ready requirements for new homes, expand solar photovoltaic (PV) and battery storage standards, strengthen ventilation standards, and more. The 2022 standards require mixed-fuel single-family homes to be electric-ready to accommodate replacement of gas appliances with electric appliances. In addition, the standards also include prescriptive PV system and battery requirements for high-rise, multifamily buildings (i.e., more than three stories) and noncommercial buildings such as hotels, offices, medical offices, restaurants, retail stores, schools, warehouses, theaters, and convention centers (CEC 2021). The 2025 Building Energy Efficiency Standards

were adopted September 24, 2024, and became effective and replaced the 2022 Building Energy Efficiency Standards on January 1, 2026. Updates under the 2025 Building Energy Efficiency Standards include electric-ready requirements for some multi-family buildings and commercial kitchens and solar and battery energy storage requirements for assembly buildings including religious worship, sports, and recreational buildings.

Under the prescriptive pathway, a new development's building design is considered the "Standard Design Building," which represents the energy-efficiency performance of that project should it include all prescribed features (e.g., solar, battery storage) with no additional energy-efficiency features beyond what is required at minimum under the mandatory requirements and prescriptive pathway. A project may still demonstrate compliance using the performance pathway without inclusion of prescriptive features like solar or battery storage. However, that building design must match or exceed the energy efficiency performance of the Standard Design Building. For example, if a project would be required to include solar and battery storage under the prescriptive pathway, it can choose to comply with the performance pathway and not include solar and battery storage so long as it can demonstrate that it would achieve the same energy-efficiency performance as if solar and battery storage were included.

California Building Code: CALGreen

On July 17, 2008, the California Building Standards Commission adopted the nation's first green building standards. The California Green Building Standards Code (24 CCR, Part 11, known as "CALGreen") was adopted as part of the California Building Standards Code. It includes mandatory requirements for new residential and nonresidential buildings throughout California. CALGreen is intended to (1) reduce GHG emissions from buildings; (2) promote environmentally responsible, cost-effective, healthier places to live and work; (3) reduce energy and water consumption; and (4) respond to the directives by the Governor. The mandatory provisions of CALGreen became effective January 1, 2011, and were last updated in 2022. The 2022 CALGreen update, which was approved as part of 2022 Energy Code became effective on January 1, 2023, and provides updates to the residential and non-residential voluntary measures.

Overall, the code is established to reduce construction waste, make buildings more efficient in the use of materials and energy, and reduce environmental impact during and after construction. CALGreen contains requirements for construction site selection, stormwater control during construction, construction waste reduction, indoor water use reduction, material selection, natural resource conservation, site irrigation conservation, and more. The code provides for design options allowing the designer to determine how best to achieve compliance for a given site or building condition. The code also requires building commissioning, which is a process for verifying that all building systems (e.g., heating and cooling equipment and lighting systems) are functioning at their maximum efficiency (24 CCR Part 11).

The CEC adopted the final code language for the 2025 CALGreen standards on September 11, 2024. The 2025 CALGreen standards became effective on January 1, 2026.

2006 Appliance Efficiency Regulations

The 2006 Appliance Efficiency Regulations (20 CCR Sections 1601–1608) were adopted by the CEC on October 11, 2006, and approved by the California Office of Administrative Law on December 14, 2006. The

regulations include standards for both federally regulated appliances and non–federally regulated appliances. Though these regulations are now often viewed as "business as usual," they exceed the standards imposed by all other states, and they reduce GHG emissions by reducing energy demand.

3. Environmental Setting

3.1 SAN JOAQUIN VALLEY AIR BASIN

The proposed project is in the central portion of the SJVAB. SJVAB consists of eight counties: Fresno, Kern (western and central), Kings, Tulare, Madera, Merced, San Joaquin, and Stanislaus. Air pollution from significant activities in the SJVAB includes a variety of industrial-based sources as well as on- and off-road mobile sources. These sources, coupled with geographical and meteorological conditions unique to the area, stimulate the formation of unhealthy air.

The SJVAB is approximately 250 miles long and an average of 35 miles wide. It is bordered by the Sierra Nevada in the east, the Coast Ranges in the west, and the Tehachapi mountains in the south. There is a slight downward elevation gradient from Bakersfield in the southeast end (elevation 408 feet) to sea level at the northwest end where the valley opens to the San Francisco Bay at the Carquinez Straits. At its northern end is the Sacramento Valley, which makes up the northern half of California's Central Valley. The bowl-shaped topography inhibits movement of pollutants out of the valley (SJVAPCD 2023b).

3.1.1 Climate

The SJVAB is in a Mediterranean climate zone, which is characterized by sparse rainfall, which occurs mainly in winter. Summers are hot and dry. Summertime maximum temperatures often exceed 100 degrees Fahrenheit (°F) in the valley. Winter-time high pressure events can often last many weeks, with surface temperatures often lowering to 30°F. During these events, fog can be present, and inversions are extremely strong. These wintertime inversions can inhibit vertical mixing of pollutants to a few hundred feet (SJVAPCD 2015b).

In addition, the SJVAB is influenced by a subtropical high-pressure cell for most of the year. The high-pressure cell is strongest during spring, summer, and fall and produces subsiding air, which can result in temperature inversions in the valley. A temperature inversion can act like a lid, inhibiting vertical mixing of the air mass at the surface. Any emissions of pollutants can be trapped below the inversion. Most of the surrounding mountains are above the normal height of summer inversions (1,500 to 3,000 feet) (SJVAPCD 2015b).

The climatological station nearest to the project area is the Bakersfield Airport Monitoring Station (ID No. 040442). The average low is reported at 38.5°F in January, and the average high is 98.6°F in July (WRCC 2026). Rainfall averages 6.17 inches per year in the project area (WRCC 2026).

3.1.1.1 TEMPERATURE

Solar radiation and temperature are particularly important in the chemistry of ozone formation. The SJVAB averages over 260 sunny days per year. Photochemical air pollution (primarily ozone) is produced by the atmospheric reaction of organic substances (such as volatile organic compounds) and nitrogen dioxide under the influence of sunlight. Ozone concentrations are very dependent on the amount of solar radiation, especially

during late spring, summer, and early fall. Ozone levels typically peak in the afternoon. After the sun goes down, the chemical reaction between nitrous oxide and ozone begins to dominate. This reaction tends to scavenge and remove the ozone in the metropolitan areas through the early morning hours, resulting in the lowest ozone levels, possibly reaching zero at sunrise in areas with high nitrogen oxides emissions. At sunrise, nitrogen oxides tend to peak, partly due to low levels of ozone at this time and also due to the morning commuter vehicle emissions of nitrogen oxides.

Generally, the higher the temperature, the more ozone formed, since reaction rates increase with temperature. However, extremely hot temperatures can "lift" or "break" the inversion layer. Typically, if the inversion layer does not lift to allow the buildup of contaminants to be dispersed, the ozone levels will peak in the late afternoon. If the inversion layer breaks and the resultant afternoon winds occur, the ozone will peak in the early afternoon and decrease in the late afternoon as the contaminants are dispersed or transported out of the SJVAB. Ozone levels are low during winter periods when there is much less sunlight to drive the photochemical reaction (SJVAPCD 2015b).

3.1.1.2 WIND

Wind speed and direction play an important role in dispersion and transport of air pollutants. Wind at the surface and aloft can disperse pollution by mixing and transporting it to other locations. Winds in the valley most frequently blow from the northwest, especially during summer. The region's topographic features restrict air movement and channel the air mass towards the southeastern end of the valley. Marine air can flow into the basin from the San Joaquin River Delta and over Altamont Pass and Pacheco Pass, where it can flow along the axis of the valley, over the Tehachapi pass, into the Southeast Desert Air Basin. This wind pattern contributes to transporting pollutants from the Sacramento Valley and the Bay Area into the SJVAB. Approximately 27 percent of the total emissions in the northern portion, 11 percent of total emissions in the central region, and 7 percent of total emission in the south valley of the SJVAB are attributed to air pollution transported from these two areas (SJVAPCD 2015b). The Coastal Range is a barrier to air movement to the west, and the high Sierra Nevada range is a significant barrier to the east (the highest peaks in the southern Sierra Nevada reach almost halfway through the Earth's atmosphere). Many days in the winter are marked by stagnation events where winds are very weak. Transport of pollutants during winter can be very limited. A secondary but significant summer wind pattern is from the southeast and can be associated with nighttime drainage winds, prefrontal conditions, and summer monsoons.

Two significant diurnal wind cycles that occur frequently in the valley are the sea breeze and mountain-valley upslope and drainage flows. The sea breeze can accentuate the northwest wind flow, especially on summer afternoons. Nighttime drainage flows can accentuate the southeast movement of air down the valley. In the mountains during periods of weak synoptic-scale winds, winds tend to be upslope during the day and downslope at night. Nighttime and drainage flows are especially pronounced during the winter when flow from the east is enhanced by nighttime cooling in the Sierra Nevada. Eddies can form in the valley wind flow and can recirculate a polluted air mass for an extended period (SJVAPCD 2015b).

3.1.1.3 PRECIPITATION, HUMIDITY, AND FOG

Precipitation and fog may reduce or limit some pollutant concentrations. Ozone needs sunlight for its formation, and clouds and fog can block the required solar radiation. Wet fogs can cleanse the air during winter as moisture collects on particles and deposits them on the ground. Atmospheric moisture can also increase pollution levels. In fogs with less water content, the moisture acts to form secondary ammonium nitrate particulate matter. This ammonium nitrate is part of the valley's $PM_{2.5}$ and PM_{10} problem. The winds and unstable air conditions 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 SJVAB 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 favorable to high concentrations of $PM_{2.5}$ and PM_{10} (SJVAPCD 2015b).

3.1.1.4 INVERSIONS

The vertical dispersion of air pollutants in the San Joaquin Valley can be limited by persistent temperature inversions. Air temperature in the lowest layer of the atmosphere typically decreases with altitude. A reversal of this atmospheric state, where the air temperature increases with height, is termed an inversion. The height of the base of the inversion is known as the "mixing height." This is the level to which pollutants can mix vertically. Mixing of air is minimized above and below the inversion base. The inversion base represents an abrupt density change where little air movement occurs.

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 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 (SJVAPCD 2015b).

3.2 SJVAB AREA DESIGNATIONS

The air quality management plans prepared by SJVAPCD provide the framework for SJVAB to achieve attainment of the State and federal AAQS through the SIP. Areas are classified as attainment or nonattainment areas for particular pollutants depending on whether they meet the ambient air quality standards. Severity classifications for ozone nonattainment range in magnitude from marginal, moderate, and serious to severe and extreme.

- ***Unclassified.*** A pollutant is designated unclassified if the data are incomplete and do not support a designation of attainment or nonattainment.

- ***Attainment.*** A pollutant is in attainment if the AAQS for that pollutant was not violated at any site in the area during a three-year period.

- ***Nonattainment.*** A pollutant is in nonattainment if there was at least one violation of an AAQS for that pollutant in the area.

- ***Nonattainment/Transitional.*** A subcategory of the nonattainment designation. An area is designated nonattainment/transitional to signify that the area is close to attaining the AAQS for that pollutant.

The attainment status for the SJVAB is shown in Table 7, *Attainment Status of Criteria Pollutants in the San Joaquin Valley Air Basin*. Table 7 Attainment Status of Criteria Pollutants in the San Joaquin Valley Air Basin

Table 7 Attainment Status of Criteria Pollutants in the San Joaquin Valley Air Basin

Pollutant	State	Federal
Ozone – 1-hour	Severe Nonattainment	No Federal Standard[1]
Ozone – 8-hour	Nonattainment	Extreme Nonattainment[2]
PM_{10}	Nonattainment	Attainment[3]
$PM_{2.5}$	Nonattainment	Nonattainment[4]
CO	Attainment/Unclassified	Attainment/Unclassified
NO_2	Attainment	Attainment/Unclassified
SO_2	Attainment	Attainment/Unclassified
Lead	Attainment	No Designation/Classification
Hydrogen Sulfide	Unclassified	No Federal Standard
Sulfates	Attainment	No Federal Standard
Visibility Reducing Particles	Unclassified	No Federal Standard
Vinyl Chloride	Attainment	No Federal Standard

Source: CARB 2026a; SJVAPCD 2026c.

1 Though the Valley was initially classified as serious nonattainment for the 1997 8-hour ozone standard, the EPA approved Valley reclassification to extreme nonattainment in the Federal Register on May 5, 2010 (effective June 4, 2010).

2 Effective June 15, 2005, the EPA revoked the federal 1-hour ozone standard, including associated designations and classifications. The US EPA had previously classified the SJVAB as extreme nonattainment for this standard. The US EPA approved the 2004 Extreme Ozone Attainment Demonstration Plan on March 8, 2010 (effective April 7, 2010). Many applicable requirements for extreme 1-hour ozone nonattainment areas continue to apply to the SJVAB.

3 On September 25, 2008, the EPA redesignated the San Joaquin Valley to attainment for the PM10 National AAQS and approved the PM10 Maintenance Plan.

4 The Valley is designated nonattainment for the 1997 PM2.5 National AAQS. The EPA designated the Valley as nonattainment for the 2006 PM2.5 National AAQS on November 13, 2009 (effective December 14, 2009).

3.3 EXISTING AMBIENT AIR QUALITY

Existing levels of ambient air quality and historical trends and projections in the vicinity of the proposed project site are best documented by measurements taken by the SJVAPCD. The air quality monitoring station closest to the proposed project is the Bakersfield-5558 California Avenue Monitoring Station, which is one of 29 monitoring stations SJVAPCD operates and maintains in the SJVAB. Data from this station include O_3, PM_{10}, and $PM_{2.5}$ and are summarized in Table 8, *Ambient Air Quality Monitoring Summary*. The most current five years of data from these monitoring stations are included in Table 8 and show regular violations of the state and federal O_3, state and federal PM_{10} standards, and federal $PM_{2.5}$ standards in the last five years.

Table 8 Ambient Air Quality Monitoring Summary

Pollutant/Standard	Number of Days Thresholds Were Exceeded and Maximum Levels[1]				
	2020	2021	2022	2023	2024
Ozone (O_3)					
State 1-Hour ≥ 0.09 ppm (days exceed threshold)	3	0	0	0	2
State & Federal 8-hour ≥ 0.070 ppm (State/Federal days exceed threshold)	25/25	11/11	7/4	7/7	38/36
Max. 1-Hour Conc. (ppm)	0.110	0.090	0.093	0.088	0.099
Max. 8-Hour Conc. (ppm)	0.098	0.080	0.076	0.079	0.089
Nitrogen Dioxide (NO_2)					
State 1-Hour ≥ 0.18 ppm (days exceed threshold)	0	0	0	0	0
Max. 1-Hour Conc. (ppm)	0.0504	0.0572	0.0536	0.0577	0.0566
Coarse Particulates (PM_{10})					
State 24-Hour > 50 µg/m³ (days exceed threshold)	18	124	135	106	110
Federal 24-Hour > 150 µg/m³ (days exceed threshold)	1	3	0	1	0
Max. 24-Hour Conc. (µg/m³)	196.8	437.5	134.7	181.3	129.7
Fine Particulates ($PM_{2.5}$)					
Federal 24-Hour > 35 µg/m³ (days exceed threshold)	44	40	34	9	15
Max. 24-Hour Conc. (µg/m³)	150.7	72.3	58.1	63.7	71.9

Source: CARB 2026c.
Notes: ppm = parts per million; ppb = parts per billion; µg/m3 = micrograms per cubic meter; * = Data not available
1 Data obtained from the Bakersfield-5558 California Avenue Monitoring Station.

3.4 EXISTING SITE EMISSIONS

The project site is currently undeveloped and highly disturbed and does not generate criteria air pollutant or GHG emissions.

3.5 ELECTRIC AND NATURAL GAS UTILITIES

The project site is in the Pacific Gas and Electric Company (PG&E) service area for both electricity and natural gas. PG&E is a publicly traded utility company that generates, purchases, and transmits energy under contract with the California Public Utilities Commission. Its service territory is 70,000 square miles, extending north to south from Eureka to Bakersfield, and east to west from the Sierra Nevada range to the Pacific Ocean.

3.5.1 Electricity

The electricity distribution system of PG&E consists of 106,681 circuit miles of electric distribution lines and 18,466 circuit miles of interconnected transmission lines (PG&E 2022). PG&E electricity is generated by a combination of sources such as coal-fired power plants, nuclear power plants, and hydro-electric dams as well as newer sources of energy, such as wind turbines and photovoltaic plants or "solar farms." "The grid," or bulk electric grid, is a network of high-voltage transmission lines linked to power plants in the PG&E system. The distribution system consists of lower voltage secondary lines at the street and neighborhood level, with overhead or underground distribution lines, transformers, and individual service "drops" that connect to the individual customer.

Total electricity consumption in PG&E's service area was 75,338 gigawatt-hours in 2024 (CEC 2026a). One gigawatt-hour is equivalent to one million kilowatt-hours (kWh). Sources of electricity sold by PG&E for its base plan in 2024, the latest year for which data are available, were (PG&E 2026b):

- 23 percent renewable, consisting mostly of solar and wind
- 12 percent large hydroelectric
- 2 percent natural gas
- 63 percent nuclear

3.5.2 Natural Gas

PG&E gas transmission pipeline systems serve approximately 4.5 million gas customers in northern and central California (PG&E 2022). The system is operated under an inspection and monitoring program. The system operates in real time on a 24-hour basis and includes leak inspections, surveys, and patrols of the pipelines. PG&E also adopted Pipeline 2020 program, which aims to modernize critical pipeline infrastructure, expand the use of automatic or remotely operated shut-off valves, catalyze development of next-generation inspection technologies, develop industry-leading best practices, and enhance public safety partnerships with local communities, public officials, and first responders. Total natural gas consumption in PG&E's service area was 4,255 million therms for 2024 (CEC 2026b).

3.5.3 Transportation Fuels

California contains a network of crude oil pipelines that connects production areas to oil refineries in the Los Angeles area, the San Francisco Bay Area, and the Central Valley. California oil refineries also process Alaskan and foreign crude oil received in ports in Los Angeles, Long Beach, and the San Francisco Bay Area. Crude oil production in California and Alaska is in decline, and California refineries have become increasingly dependent on foreign imports (CEC 2026c). Foreign supplies, led by Iraq, Brazil, and Guyana in 2024, provide over half of the crude oil refined in California (CEC 2026d). According to the United States Energy Information Administration, California's field production of crude oil has steadily declined since the mid-1980s, with a total production of approximately 110 million barrels in 2024 (EIA 2026). In Kern County, including all incorporated cities, approximately 406 million gallons of gasoline and 225 million gallons of diesel fuel were sold in 2024, the latest year of available data (CEC 2026e).

3.6 EXISTING SITE ENERGY DEMAND

The project site is currently undeveloped and highly disturbed and does not generate energy demands.

3.7 SENSITIVE RECEPTORS

Some land uses are considered more sensitive to air pollution than others due to the types of population groups or activities involved. Sensitive population groups include children, the elderly, the acutely ill, and the chronically ill, especially those with cardiorespiratory diseases.

Residential areas are also considered sensitive receptors to air pollution because residents (including children and the elderly) tend to be at home for extended periods of time, resulting in sustained exposure to any pollutants present. Other sensitive receptors include retirement facilities, hospitals, and schools. Recreational land uses are considered moderately sensitive to air pollution. Although exposure periods are generally short, exercise places a high demand on respiratory functions, which can be impaired by air pollution. In addition, noticeable air pollution can detract from the enjoyment of recreation. Industrial, commercial, retail, and office areas are considered the least sensitive to air pollution. Exposure periods are relatively short and intermittent because the majority of the workers tend to stay indoors most of the time. In addition, the working population is generally the healthiest segment of the public.

Nearby off-site sensitive receptors include the mobile-home park residences 750 feet to the west, single-family residences 800 feet to the southwest, and single-family residences 1,300 feet to the north of the project site. Additionally, there are two buildings approximately 200 to 450 feet west of the project site across El Toro Viejo Road. However, it is uncertain whether these two buildings currently house residents or are used for nonresidential purposes only. For purposes of this analysis, they are assumed as residential homes. Additionally, for purposes of this analysis, workers are also included as sensitive receptors. The nearest worker receptors are the offsite workers at the surrounding businesses.

3. Environmental Setting

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4. CEQA Thresholds

4.1 CEQA APPENDIX G THRESHOLDS

4.1.1 Air Quality

According to Appendix G of the CEQA Guidelines, the proposed project would have a significant effect on the environment with respect to air quality if it would:

AQ-1 Conflict with or obstruct implementation of the applicable air quality plan.

AQ-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.

AQ-3 Expose sensitive receptors to substantial pollutant concentrations.

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

4.1.2 Greenhouse Gas Emissions

According to Appendix G of the CEQA Guidelines, the proposed project would have a significant effect on the environment with respect to GHG emissions if it would:

GHG-1 Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment.

GHG-2 Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs.

4.1.3 Energy

According to Appendix G of the CEQA Guidelines, the proposed project would have a significant effect on the environment with respect to energy if it would:

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

E-2 Conflict with or obstruct a state or local plan for renewable energy or energy efficiency.

4.2 SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT SIGNIFICANCE CRITERIA

4.2.1 Air Quality

As stated in Appendix G of the CEQA Guidelines, the significance criteria established by the applicable air quality management district may be relied on to make the above determinations. Thus, this analysis also evaluates the Specific Plan's air quality impacts pursuant to SJVAPCD's recommended guidelines and thresholds of significance, as discussed further below.

SJVAPCD developed the Guide for Assessing and Mitigating Air Quality Impacts (GAMAQI) and adopted the latest version on March 19, 2015 (SJVAPCD 2015b). The current GAMAQI is the latest guidance for addressing air quality impacts in the SJVAB. Changes to the GAMAQI are primarily administrative in nature to update air basin information, attainment status, and general guidance to reflect updated conditions. The following thresholds of significance from the SJVAPCD's GAMAQI are used to determine whether a proposed project would result in a significant air quality impact.

4.2.1.1 REGIONAL SIGNIFICANCE THRESHOLDS

SJVAPCD has identified regional construction and operational emissions thresholds to determine a project's cumulative impact on air quality in the SJVAB. Specifically, these thresholds gauge whether a project would significantly contribute to a nonattainment designation based on the mass emissions generated. Mass emissions from a project are not correlated with concentrations of air pollutants. Table 9, *SJVAPCD Regional Criteria Air Pollutants Significance Thresholds*, lists SJVAPCD's regional significance thresholds. It should be noted that SJVAPCD Rule 9510 and Regulation VIII may not reduce project-specific construction and operational emissions to below the SJVAPCD thresholds.

Table 9 SJVAPCD Regional Criteria Air Pollutants Significance Thresholds

Air Pollutant	Construction and Operation Phase
Reactive Organic Gases (ROG)	10 tons/year
Carbon Monoxide (CO)	100 tons/year
Nitrogen Oxides (NO_X)	10 tons/year
Sulfur Oxides (SO_X)	27 tons/year
Coarse Particulates (PM_{10})	15 tons/year
Fine Particulates ($PM_{2.5}$)	15 tons/year

Source: SJVAPCD 2015b.

4.2.1.2 AMBIENT AIR QUALITY ANALYSIS

The need to perform air quality dispersion modeling for typical urban development projects is determined on a case-by-case basis, depending on project size. SJVAPCD applies the following guidance in determining whether an ambient air quality analysis should be conducted for development projects. Compliance with Rule 9510 frequently reduces project-specific emissions to less than significant levels. However, for large construction projects, additional mitigation may be required. SJVAPCD recommends that an ambient air quality

analysis be performed for all pollutants when on-site emissions of any criteria pollutant from construction activities would equal or exceed any applicable threshold of significance for criteria pollutants, or 100 pounds per day of any criteria pollutant, after compliance with Rule 9510 requirements and implementation of all enforceable mitigation measures. Similarly, SJVAPCD also recommends that an ambient air quality analysis be performed for all criteria pollutants when emissions of any criteria pollutant resulting from project operational activities exceed the 100 pounds per day screening level, after compliance with Rule 9510 requirements and implementation of all enforceable mitigation measures. For projects that exceed the 100 pounds per day screening level, project-related concentrations are compared to the following NAAQS and CAAQS shown in Table 10, *Ambient Air Quality Thresholds*. Additionally, if either the NAAQS and/or CAAQS are exceeded, the SJVAPCD developed the significant impact levels (SILs) shown in Table 11, *SJVAPCD Significant Impact Levels*, to determine whether a project's contribution would contribute significantly to an AAQS exceedance.

Table 10 Ambient Air Quality Thresholds

Pollutant	Averaging Period	NAAQS µg/m³	CAAQS µg/m³
NO_2	1-hour	188.7	339
	Annual	100	57
CO	1-hour	40,000	23,000
	8-hour	10,000	10,000
SO_2	1-hour	196	655
	3-hour	1,300	n/a
	24-hour	365	105
	Annual	n/a	n/a
PM_{10}	24-hour	150	50
	Annual	n/a	20
$PM_{2.5}$	24-hour	35	n/a
	Annual	12	12

Notes: NAAQS = National Ambient Air Quality Standard; CAAQS = California Ambient Air Quality Standard; µg/m3 = micrograms per cubic meter

4. CEQA Thresholds

Table 11 SJVAPCD Significant Impact Levels

Pollutant	Averaging Period	Class II Significant Impact Levels µg/m³
NO_2	1-hour	7.5
	Annual	1
CO	1-hour	2.000
	8-hour	500
SO_2	1-hour	7.8
	3-hour	25
	24-hour	5
	Annual	1
PM_{10}[1]	24-hour	10.4
	Annual	2.08
$PM_{2.5}$[1]	24-hour	2.5
	Annual	0.63

Source: SJVAPCD 2024.
Notes: µg/m3 = micrograms per cubic meter
1 Because the proposed project is a land use development project and emissions would primarily be from non-point sources, the fugitive PM10 and PM2.5 SILs are utilized.

4.2.1.3 CONSISTENCY WITH THE APPLICABLE AIR QUALITY PLAN

SJVAPCD has prepared plans to attain federal and State AAQS. The significance thresholds in Table 9 are based on SJVAPCD's New Source Review offset requirements for stationary sources. Emission reductions achieved through implementation of SJVAPCD's offset requirements are a major component of SJVAPCD's air quality plans. Thus, projects with emissions below the thresholds of significance for criteria pollutants (see Table 9) would be determined to "not conflict or obstruct implementation of the [SJVAPCD's] air quality plan" (SJVAPCD 2015b).

4.2.1.4 ODOR

Odor impacts associated with a proposed project would be considered significant if the project has the potential to frequently expose members of the public to objectionable odors. There are two general scenarios where a project could expose people to substantial odors:

- **Odor Generator.** Projects that would potentially generate odorous emissions proposed to locate near existing sensitive receptors or other land uses where people may congregate.
- **Odor Receiver.** Residential or other sensitive receptor projects or other projects built for the intent of attracting people locating near existing odor sources.

Due to the subjective nature of odor impacts, the number of variables that can influence the potential for an odor impact, and the variety of odor sources, there are no quantitative or formulaic methodologies to determine if potential odors would have a significant impact. Rather, projects must be assessed on a case-by-case basis. As shown in Table 12, *SJVAPCD Screening Levels for Potential Odor Sources*, the SJVAPCD has identified buffer distances for common types of facilities that have been known to produce odors in the SJVAB. The degree of odors could be significant and may be based on a review of SJVAPCD's complaint records.

Table 12 SJVAPCD Screening Levels for Potential Odor Sources

Land Use/Type of Operation	Screening Distance
Wastewater Treatment Plant	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	1 mile
Food Processing Facility	1 mile
Feed Lot/ Dairy	1 mile
Rendering Plant	1 mile

Source: SJVAPCD 2015b.

For a project locating near an existing source of odors, in *California Building Industry Association v. Bay Area Air Quality Management District* (CBIA), the California Supreme Court ruled that CEQA generally does not require an evaluation of impacts of the environment on a project unless a project will exacerbate an existing environmental hazard.

4.2.1.5 HEALTH RISK THRESHOLDS

Whenever a project would require use of chemical compounds that have been identified in SJVAPCD's Rule 2201; placed on CARB's air toxics list pursuant to AB 1807, Toxic Air Contaminant Identification and Control Act (1983); or placed on the EPA's National Emissions Standards for Hazardous Air Pollutants, a health risk assessment is warranted. If a project would place sensitive land uses proximate to major sources of TACs (roadways with over 50,000 vehicles per day or major stationary sources), a health risk assessment may also be warranted. Table 13, *SJVAPCD Toxic Air Contaminants Incremental Risk Thresholds*, lists the SJVAPCD's TAC incremental risk thresholds for operation of a project or placement of sensitive land uses proximate to major sources of air pollution. As stated under the CBIA ruling, though CEQA is generally not required to analyze impacts of the environment on a project, where a project will exacerbate an existing environmental hazard, CEQA requires an analysis of the worsened condition on future project residents and the public at large. However, projects that do not generate emissions that exceed the values in Table 13 would not substantially contribute to cumulative air quality hazards or exacerbate an existing environmental hazard.

4. CEQA Thresholds

Table 13 SJVAPCD Toxic Air Contaminants Incremental Risk Thresholds

Risk Type	Threshold
Cancer Risk[1]	≥ 20 in 1 million
Hazard Index[2]	≥ 1.0

Source: SJVAPCD 2015b.
1 For the Maximum Exposed Individuals (MEI).
2 Ground-level concentrations of noncarcinogenic TACs for the MEI.

4.2.1.6 CUMULATIVE IMPACTS

By its very nature, air pollution is mostly a cumulative impact. The nonattainment status of regional pollutants is a result of past and present development. Future attainment of federal and State AAQS is a function of successful implementation of the SJVAPCD's attainment plans. Consequently, SJVAPCD's application of thresholds of significance for criteria pollutants is relevant to the determination of whether a project's individual emissions would have a cumulatively significant impact on air quality. Pursuant to the SJVAPCD's guidance, if project-specific emissions would be less than the thresholds of significance for criteria pollutants, the project would not be expected to result in a cumulatively considerable net increase of any criteria pollutant for which the SJVAPCD is in nonattainment under applicable federal or State AAQS.

4.2.2 Greenhouse Gas Emissions

The issue of global climate change is, by definition, a cumulative environmental impact. The SJVAPCD adopted Guidance Methodology for addressing GHG emissions under CEQA on December 17, 2009 (SJVAPCD 2009b). In addition, SJVAPCD adopted a Climate Change Action Plan to identify strategies to reduce GHG emissions in the SJVAPCD (SJVAPCD 2009c). SJVAPCD's methodology includes a tiered approach:

- If a project is exempt from CEQA, individual-level and cumulative GHG emissions are treated as less than significant.
- If the project complies with a GHG emissions reduction plan or mitigation programs that avoid or substantially reduce GHG emissions in the geographic area where the project is located (i.e., city or county), individual-level and cumulative GHG emissions are treated as less than significant.
- SJVAPCD does not have thresholds of significance for construction-related GHG emissions. Construction emissions are one-time, nonrecurring emissions. For buildings in general, it is reasonable to look at a 30-year time frame, since this is a typical interval before a new building requires its first major renovation (IEA 2008). Therefore, construction emissions are amortized over a 30-year duration and included in the operational emissions analysis.

SJVAPCD's methodology for evaluating GHG emissions impacts also includes methodology to evaluate whether a project would comply with AB 32 by conducting an analysis of whether the project would reduce GHG emissions by 29 percent from business as usual through implementation of "best performance standards." The November 30, 2015, *Center for Biological Diversity v. California Department of Fish and Wildlife*

(Newhall Ranch) ruling effectively limits use of this performance metric. The 29 percent below business as usual established in the CARB Scoping Plan is derived from the statewide reduction target set by AB 32 for year 2020. The court held that the 29 percent is the statewide goal, but there is no substantial evidence that establishes a nexus between the statewide goal and the percentage reduction a specific land use project would need to achieve to be consistent with the goals of AB 32. Projects must determine the reduction target specific to the land use type being proposed.

Because SJVAPCD's significance criteria do not establish a nexus that connects the statewide GHG emissions reductions identified in the Scoping Plan to reductions needed for new development projects, an alternate approach to use of the performance metric is utilized until SJVAPCD revises their Guidance Methodology to address the Newhall Ranch ruling. For purposes of this analysis, the proposed project is evaluated to a net zero threshold to determine potential GHG emissions impacts. While this net zero threshold approach is conservative, it aligns with the State's carbon neutrality goal under AB 1279.

4.2.2.1 MASS EMISSIONS AND HEALTH EFFECTS

On December 24, 2018, in *Sierra Club et al. v. County of Fresno et al.* (Friant Ranch), the California Supreme Court determined that the EIR for the proposed Friant Ranch project failed to adequately analyze the project's air quality impacts on human health. The EIR prepared for the project, which involved a master planned retirement community in Fresno County, showed that project-related mass emissions would exceed the SJVAPCD's regional significance thresholds. In its findings, the California Supreme Court affirmed the holding of the Court of Appeals that EIRs for projects must not only identify impacts to human health but provide an "analysis of the correlation between the project's emissions and human health impacts" related to each criteria air pollutant that exceeds the regional significance thresholds or explain why it could not make such a connection. In general, the ruling focuses on the correlation of emissions of toxic air contaminants and criteria air pollutants and their impact to human health.

In 2009, the EPA issued an endangerment finding for six GHGs (CO_2, CH_4, N_2O, HFCs, PFCs, and SF_6) in order to regulate GHG emissions from passenger vehicles. The endangerment finding is based on evidence that shows an increase in mortality and morbidity associated with increases in average temperatures, which increase the likelihood of heat waves and ozone levels. The effects of climate change are identified in Table 5. While identified effects such as sea level rise and increases in extreme weather can indirectly impact human health, neither the EPA nor CARB has established ambient air quality standards for GHG emissions. The state's GHG reduction strategy outlines a path to avoid the most catastrophic effects of climate change. Yet the state's GHG reduction goals and strategies are based on the state's path toward reducing statewide cumulative GHGs as outlined in AB 32, SB 32, AB 1279, and Executive Order S-03-05. Because no single project is large enough to result in a measurable increase in global concentration of GHG emissions, climate change impacts of a project are considered on a cumulative basis. Without federal ambient air quality standards for GHG emissions and given the cumulative nature of GHG emissions, it is not feasible at this time to connect the project's specific GHG emission to the potential health impacts of climate change.

4. CEQA Thresholds

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5. Environmental Impacts

5.1 METHODOLOGY

This air quality, GHG, and energy evaluation was prepared in accordance with the requirements of CEQA to determine if significant air quality impacts are likely in conjunction with the type and scale of development associated with the proposed project. Air pollutant and GHG emissions are calculated using the California Emissions Estimator Model (CalEEMod), version 2022.1. CalEEMod compiles an emissions inventory of construction (fugitive dust, off-gas emissions, on-road emissions, and off-road emissions), area sources, indirect emissions from energy use, mobile sources, indirect emissions from waste disposal (annual only), and indirect emissions from water/wastewater (annual only).

The analysis of electricity and natural gas usage for the proposed project is based on CalEEMod version 2022.1, which quantifies energy use associated with the proposed land uses. In addition, fuel consumption data from EMFAC2021 version 1.0.2 and OFFROAD version 1.1.3. are used to quantify fuel usage related to construction equipment operation and construction- and operation-related vehicle trips (e.g., construction worker trips and patron vehicle trips).

The operational-phase, project-related emissions are based on development of the new proposed commercial and retail land uses. The modeling accounts for the average daily vehicle trips generated, energy usage, water demand, and wastewater and solid waste generation from operation of the proposed project. Construction emissions are based on information provided for the project. Where specific information was not available, CalEEMod default values were utilized. Life cycle emissions are not included in this analysis because not enough information is available.[8]

- **Transportation.** The project-related weekday and weekend average daily trip generation data and vehicle miles traveled (VMT) data are provided by Integrated Engineering Group (IEG 2026). Project-related VMT including those associated with light-, medium-, and heavy-duty trucks, was calculated using the KernCOG regional travel demand model, which, in general, is calibrated to account for truck travel distinct from travel associated with passenger vehicles. Transportation criteria pollutant and GHG emissions are based on CalEEMod default vehicle emissions. The modeled fleet mix is based on vehicle fleet mix data provided by IEG and CalEEMod default fleet mix data. The primary source of mobile criteria air pollutants and GHG emissions is tailpipe exhaust emissions from the combustion of fuel (i.e., gasoline and diesel). In

[8] Life cycle emissions include indirect emissions associated with materials manufacture. However, these indirect emissions involve numerous parties, each of which is responsible for GHG emissions of their particular activity. The California Resources Agency, in adopting the CEQA Guidelines Amendments on GHG emissions found that lifecycle analysis was not warranted for project-specific CEQA analysis in most situations, for a variety of reasons, including lack of control over some sources, and the possibility of double-counting emissions (see Final Statement of Reasons for Regulatory Action, December 2009). Because the amount of materials consumed during the operation or construction of the proposed project is not known, the origin of the raw materials purchased is not known, and manufacturing information for those raw materials is also not known, calculation of life cycle emissions would be speculative. A life-cycle analysis is not warranted (LCI 2008).

addition, for criteria air pollutants, brake and tire wear along with fugitive dust created from vehicles traveling roadways also generate particulate matter.

- **Energy Use.** Electricity and natural gas demand for the proposed project is based on CalEEMod default energy rates. Per the project applicant, the proposed onsite PV systems would generate an anticipated 1,201,933 kilowatt hour (kWh) per year of renewable electricity. For purposes of this analysis, the CalEEMod default electricity demand for the regional shopping center land use is reduced by the anticipated 1,201,933 kWh per year of renewable electricity. Use of natural gas would generate both criteria pollutant and GHG emissions, and use of electricity would contribute to GHG emissions generation.

- **Water/Wastewater.** Water demand data for the proposed project is based on and derived from the water supply and demand analysis prepared by PlaceWorks (2026). In total, the proposed project is estimated to use 148,925 gallons per day and 54,357,625 gallons per year. GHG emissions from this sector are attributed to the electricity used for treatment and distribution of water and wastewater.

- **Solid Waste.** Solid waste generation for the proposed uses is based on CalEEMod defaults. GHG emissions are associated with the decomposition of solid waste.

- **Area Sources.** Area source emissions from use of consumer cleaning products and VOC emissions from paints are based on CalEEMod default values and the square footage of the proposed buildings.

- **Refrigerants.** GHG emissions from operation of building air conditioning and refrigeration equipment are based on CalEEMod default values based on land use type.

- **Construction.** For purpose of this analysis and based on information provided by the project applicant, construction of the proposed project is modeled to commence in March of 2026 and be completed by July of 2027, a duration of approximately 16 months. Phase 1 construction is modeled to occur from March 2026 to end of December 2026, and Phase 2 construction is modeled to occur from January 2027 to July 2027. The proposed left turn lane and traffic signal would be installed June 2026 to August 2026 and July 2026 to September 2026, respectively. Appendix A to this technical study shows the assumed construction activities, phasing, and construction equipment based on information provided by the project applicant and CalEEMod defaults. Demolition debris generated from the left turn lane installation would result in the export of 575 tons of demolition debris. The project site would be a balanced site and site preparation and grading activities would not result in export or import of soil. Emissions of VOCs would primarily be from the application of paints, asphalt pavement, and operation of construction vehicles and off-road equipment. Emissions of NO_X, CO, and SO_X would primarily be generated from operation of off-road construction equipment as well as construction worker and vendor vehicles. Coarse and fine particulate matter (PM_{10} and $PM_{2.5}$) exhaust emissions would also be generated from operation of off-road construction equipment and construction and vendor vehicle trips. Fugitive dust emissions of PM_{10} and $PM_{2.5}$ would be generated from ground disturbance activities and asphalt demolition.

5.2 ENVIRONMENTAL IMPACTS

5.2.1 Air Quality Impacts

This section discusses the potential project impacts related to air quality.

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

Impact Analysis: The following describes potential air quality impacts and consistency of the proposed project with the air quality management plans (AQMPs) developed by the SJVAPCD (see section 2.1.2.2).

The SJVAPCD is responsible for reducing emissions from area, stationary, and mobile sources in the SJVAB to achieve the National and California AAQS. A consistency determination with the AQMPs plays an important role in local agency project review by linking local planning and individual projects to the AQMPs. It fulfills the CEQA goal of informing decision makers of the environmental efforts of the project under consideration early enough to ensure that air quality concerns are fully addressed. It also provides the local agency with ongoing information as to whether they are contributing to the clean air goals in the AQMPs.

Kern COG is one of SJVAPCD's partners in the preparation of the AQMPs, providing the latest economic and demographic forecasts and developing transportation measures in Kern County. Regional population, housing, and employment projects developed by Kern COG are based, in part, on a city's general plan land use designations. These projections form the foundation for the emissions inventory of the AQMPs and are incorporated into the regional transportation plan/sustainable communities strategy (RTP/SCS) prepared by Kern COG to determine priority transportation projects and vehicle miles traveled in the Kern COG region. Because the AQMPs' strategies are based on projections from local general plans, projects that are consistent with the local general plan are considered consistent with the air quality-related regional plan. Additionally, only large projects have the potential to substantially affect the demographic forecasts in the AQMPs.

The proposed land uses are not permitted under the existing P land use designation. A general plan amendment would be required to change the land use designation from P to LI to allow for all uses permitted under a commercial designation.

Also, under CEQA Guidelines Section 15206(b), a proposed project is considered of statewide, regional, or area-wide significance if the project is a commercial office building of 250,000 square feet or more or employs 1,000 or more employees and/or a shopping center of 500,000 square feet or more or employs 1,000 or more employees. The proposed project would develop a shopping center with up to 8,996 building square feet (BSF) of medical office space and 396,535 BSF of retail space and is projected to generate 969 jobs (IEG 2026). The amount of retail space proposed and the projected number of new jobs generated would be less than 500,000 square feet and 1,000 employees. Thus, the proposed project would not substantially affect demographic projections beyond what is accounted for in the AQMPs.

However, per SJVAPCD guidance, project consistency with the AQMPs is based on whether project emissions would exceed the SJVAPCD regional significance thresholds shown in Table 9. As discussed in Impact AIR-2,

5. Environmental Impacts

the proposed project would exceed the regional operation significance thresholds for VOC and NO_X and would cumulatively contribute to the nonattainment designations in the SJVAB without mitigation. Therefore, overall, the proposed project would be considered inconsistent with the AQMPs.

AIR-2	**Would the proposed project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in nonattainment under an applicable federal or state ambient air quality standard?**

Regional Construction Emissions

Construction activities associated with the proposed project would temporarily increase PM_{10}, $PM_{2.5}$, VOC, NO_X, SO_X, and CO regional emissions in the SJVAB. The primary source of NO_X, CO, and SO_X emissions is the operation of construction equipment. The primary sources of particulate matter (PM_{10} and $PM_{2.5}$) emissions are activities that disturb the soil, such as grading and excavation, asphalt demolition, and building construction. The primary source of VOC emissions is the application of architectural coating and off-gas emissions associated with asphalt paving.

Construction air pollutant emissions are based on the preliminary construction information provided by the project applicant and CalEEMod defaults. Construction would entail site preparation, grading, utility trenching, construction of the proposed buildings, architectural coating, and asphalt paving. The proposed project would also include installation of a left-turn lane on Rosedale Highway in addition to the installation of a traffic signal in the southeast corner of Coffee Road and Jet Way. An estimate of maximum daily construction emissions for the proposed project is provided in Table 14, *Annual Regional Construction Emissions*.

Table 14 Annual Regional Construction Emissions

	Criteria Air Pollutants (tons per year)					
Construction Year	VOC[1]	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Phase 1						
Year 2026	1	1	1	<1	<1	<1
Maximum Annual Emissions	1	1	1	<1	<1	<1
SJVAPCD Threshold	10	10	100	27	15	15
Significant?	No	No	No	No	No	No
Phase 2						
Year 2027	<1	<1	1	<1	<1	<1
Maximum Annual Emissions	<1	<1	1	<1	<1	<1
SJVAPCD Threshold	10	10	100	27	15	15
Significant?	No	No	No	No	No	No
Left Turn Lane						
Year 2026	<1	<1	<1	<1	<1	<1
Maximum Annual Emissions	<1	<1	<1	<1	<1	<1
SJVAPCD Threshold	10	10	100	27	15	15
Significant?	No	No	No	No	No	No
Traffic Signal						
Year 2026	<1	<1	<1	<1	<1	<1

Table 14 Annual Regional Construction Emissions

Construction Year	Criteria Air Pollutants (tons per year)					
	VOC[1]	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Maximum Annual Emissions	<1	<1	<1	<1	<1	<1
SJVAPCD Threshold	10	10	100	27	15	15
Significant?	No	No	No	No	No	No
Overall Project Buildout[2]						
Year 2026	1	1	2	<1	<1	<1
Year 2027	<1	<1	1	<1	<1	<1
Maximum Annual Emissions	1	1	2	<1	<1	<1
SJVAPCD Threshold	10	10	100	27	15	15
Significant?	No	No	No	No	No	No

Source: CalEEMod Version 2022.1.

1 The proposed project would include 601,224 square feet of surface parking lot asphalt paving and 462,790 square feet of non-parking lot asphalt paving for a total of 1,063,714 square feet of asphalt surfaces. However, the modeled VOC emissions results shown in this table are based on 1,485,982 square feet of asphalt surfaces and represents a conservative estimate.

2 Includes Phase 1 and 2 and the off-site improvements (i.e., left turn lane and traffic signal).

As shown in Table 14, construction activities associated with the proposed project would not result in short-term emissions that would exceed the SJVAPCD regional thresholds for any of the air quality pollutants. Thus, construction of the proposed project would not result in emissions that cumulatively contribute to the nonattainment designations of the SJVAB.

Ambient Air Quality

The SJVAPCD requires dispersion modeling for projects that result in average daily construction-related emissions that exceed the screening criteria of 100 pounds per day. As shown in Table 15, *Average Daily Construction-Related Emissions*, the project-related construction activities would not generate emissions that would exceed the 100 pounds per day screening criteria. Therefore, project-related construction activities would not cause or contribute to a violation of the ambient air quality standards.

Table 15 Average Daily Construction-Related Emissions

Construction Phase	Criteria Air Pollutants (pounds/day)[1]					
	VOC	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
Phase 1 Construction Related Emissions[2]	11	8	14	<1	2	1
Phase 2 Construction Related Emissions[3]	5	6	12	<1	2	<1
Left Turn Lane Construction Related Emissions[4]	<1	3	4	<1	1	<1
Traffic Signal Construction Related Emissions[5]	<1	<1	1	<1	<1	<1
Overall Project Construction Related Emissions[6]	8	8	14	<1	2	1
SJVAPCD Ambient Air Quality Screening Threshold	100	100	100	100	100	100
Exceeds Thresholds?	No	No	No	No	No	No

Source: CalEEMod Version 2022.1.

1 Based on the preliminary information provided by the project applicant. Where specific information regarding project-related construction activities was not available, construction assumptions were based on CalEEMod defaults, which are based on construction surveys conducted by South Coast AQMD of construction equipment and phasing for comparable projects.

2 Average daily emissions are calculated by dividing the total annual emissions by the total number of workdays estimated at 206 days.

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3 Average daily emissions are calculated by dividing the total annual emissions by the total number of workdays estimated at 145 days.
4 Average daily emissions are calculated by dividing the total annual emissions by the total number of workdays estimated at 31 days.
5 Average daily emissions are calculated by dividing the total annual emissions by the total number of workdays estimated at 40 days.
6 Average daily emissions are calculated by dividing the total annual emissions by the total number of workdays estimated at 351 days.

Operational

Regional Emissions

Operation of the proposed project would generate criteria air pollutant emissions from area sources (e.g., landscaping equipment, architectural coating) and energy (i.e., natural gas used for heating and cooking). Table 16, *Annual Regional Operation Emissions*, shows the criteria pollutant emissions that would be generated by each development phase as well as full buildout of the proposed project. As shown in the table, operation of the proposed project at full buildout would result in exceedance of the SJVAPCD regional emissions threshold for VOC and NO_X, primarily due to project-related mobile-sources. Both VOC and NO_X are ozone precursors. NO_X is also a precursor to the formation of particulate matter (PM_{10} and $PM_{2.5}$). Thus, emissions of VOC and NO_X that exceed the respective SJVAPCD regional thresholds would cumulatively contribute to the O_3, PM_{10}, and $PM_{2.5}$ nonattainment designations of the SJVAB. Therefore, without any reduction measures, operation of the proposed project would contribute to the nonattainment designation of the SJVAB.

Table 16 Annual Regional Operation Emissions

Source	Criteria Air Pollutants (tons per year)					
	VOC	NO_x	CO	SO_2	PM_{10}	$PM_{2.5}$
Phase 1 (2026 Opening Year)						
Mobile[1,2]	12	9	64	<1	12	3
Area	2	<1	1	<1	<1	<1
Energy	<1	<1	<1	<1	<1	<1
Total	13	9.7	65	<1	12	3
Phase 2 (2027 Opening Year)						
Mobile[1,3]	1	1	8	<1	2	<1
Area	<1	<1	<1	<1	<1	<1
Energy	<1	<1	<1	<1	<1	<1
Total	2	1	8	<1	2	<1
Full Buildout (2027 Full Buildout Year)						
Mobile[1,3]	13	10	68	<1	13	3
Area	2	<1	2	<1	<1	<1
Energy	<1	<1	<1	<1	<1	<1
Total	15	10.3	70	<1	13	4
SJVAPCD Regional Threshold	10	10	100	27	15	15
Exceeds Threshold?	Yes	Yes	No	No	No	No

Source: CalEEMod Version 2022.1.
1 Based on trip generation data provided by Integrated Engineering Group (2026).
2 Based on calendar year 2026 emissions data.
3 Based on calendar year 2027 emissions data.

Ambient Air Quality Analysis

The SJVAPCD requires dispersion modeling for projects that result in average daily operation-related emissions that exceed the average daily emissions screening criteria of 100 pounds per day. As shown in Table 17, *Average Daily Operation-Related Emissions*, the project-related operation-phase activities under full buildout conditions would result in average daily emissions that would exceed the 100 pounds per day screening criteria for CO.

Table 17 Average Daily Operation-Related Emissions

Operation Phase	Criteria Air Pollutants (pounds per day)[1]					
	VOC	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
Operation Related Emissions	80	56	385	1	73	19
SJVAPCD Ambient Air Quality Screening Threshold	100	100	100	100	100	100
Exceeds Thresholds?	No	No	Yes	No	No	No

Source: CalEEMod Version 2022.1.
1 The average daily emissions are calculated by dividing the annual emissions by 365 days, which is the assumed number of workdays the project would operate annually.

In accordance with SJVAPCD methodology, because the proposed project would result in exceeding the ambient air quality screening threshold for CO, dispersion modeling was conducted using AERMOD, version 13.0. The calculated concentration levels associated with project operation are shown in Table 18, *Ambient Air Quality Analysis Summary*. The modeling output and emissions calculations for the ambient air quality analysis is provided in Appendix D (3&4) of this report.

Table 18 Ambient Air Quality Analysis Summary

Pollutant	Averaging Period	Background µg/m³	Project Operation µg/m³	Project + Background	NAAQS µg/m³	CAAQS µg/m³
NO_2	1-hour	96.3	0.69	97.0	188.7	339
	Annual	62.8	0.13	**63.0**	100	57
CO	1-hour	1,664	55.6	1,719	40,000	23,000
	8-hour	916	37.4	953	10,000	10,000
SO_2	1-hour	77.3	0.10	77.4	196	655
	3-hour	50.0	0.09	50.1	1,300	n/a
	24-hour	11.3	0.05	11.3	365	105
	Annual	7.07	0.04	7.11	n/a	n/a
PM_{10}	24-hour	93.0	3.74	**96.7**	150	50
	Annual	49.6	1.69	**51.3**	n/a	20
$PM_{2.5}$	24-hour	37.2	1.07	**38.3**	35	n/a
	Annual	12.90	0.48	**13.38**	12	12

Notes: Bold = Value exceeds either the NAAQS and/or CAAQS; Ambient air quality analysis modeling output provided in Appendix D (3&4); NAAQS = National Ambient Air Quality Standard; CAAQS = California Ambient Air Quality Standard; µg/m3 = micrograms per cubic meter

As shown in Table 18, project-related operation activities would not generate emissions that would result in concentrations exceeding the ambient air quality standards for NO_2 (1-hour), SO_2 and CO when added to background concentrations. However, background concentrations of NO_2 (Annual), PM_{10}, and $PM_{2.5}$ already

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exceed the AAQS. For these pollutants, the SJVAPCD has developed significant impact levels to determine whether a project's contribution will contribute significantly to an AAQS exceedance. Table 19, *Comparison of Concentrations to Significant Impact Levels*, compares the incremental increase in NO_2, PM_{10}, and $PM_{2.5}$ concentrations resulting from project operations to the SJVAPCD significant impact levels. The project's modeled NO_2, PM_{10}, and $PM_{2.5}$ concentrations are below the SJVAPCD significance levels for 24-hour and annual average concentrations.

Table 19 Comparison of Concentrations to Significant Impact Levels

Pollutant	Averaging Period	Project Operation µg/m³	SIL µg/m³
NO_2	Annual	0.13	1.0
PM_{10}	24-hour	3.73	10.4
	Annual	1.69	2.08
$PM_{2.5}$	24-hour	1.07	2.5
	Annual	0.48	0.63

Note: Ambient Air Quality Analysis modeling output provided in Appendix D (3&4). SIL = significant impact level; µg/m3 = micrograms per cubic meter

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

Construction and operation of the proposed project could generate new sources of criteria air pollutants and TACs. The following describes potential localized air quality impacts from implementation of the proposed project to the nearby off-site sensitive receptors.

Operational Phase Health Risks to Off-Site Receptors

The types of land uses that typically generate substantial quantities of TACs are industrial (permitted stationary sources) and warehousing (truck idling) land uses. These types of major air pollutant emissions sources are not proposed under the project. The proposed project would develop retail and commercial (e.g., medical office, self-storage, and health club) land uses. Operation of the proposed uses could include occasional use of landscaping equipment and natural gas consumption for heating. However, air pollutant emissions generated from these activities would be nominal.

The proposed project would include a gas station with up to 40 fuel dispensers. CARB recommends avoiding siting gas stations within 500 feet of sensitive land uses to avoid exposing sensitive receptors to substantial concentration of air pollutants (CARB 2005). The nearest potential sensitive land uses to the proposed gas station would be the two buildings across El Toro Viejo Road, approximately 650 feet to the west, which would be outside the 500-foot buffer. Furthermore, emissions of TACs from stationary sources that may be associated with the proposed uses (e.g., restaurant chain-driven char broiler), including the proposed gas station, would be subject to further study and health risk assessment prior to the issuance of any necessary air quality permits under SJVAPCD Regulation II. Regulation II would ensure that stationary source emissions (permitted sources) would be reduced or mitigated below SJVAPCD significance thresholds of 20 in one million cancer risk and one for acute risk at the maximally exposed individual.

In addition to stationary sources, the proposed project could generate heavy-duty trucks associated with the delivery of goods and supplies to the proposed retail and commercial uses, which would result in heavy-duty truck travel along the local roadways. Per City of Bakersfield Municipal Code Section 10.44.060, Truck Routes Established—Signs—Parking Restrictions, Rosedale Highway and Coffee Road are designated truck routes. Based on the project site location, it is anticipated that any project-related heavy-duty truck travel would primarily occur on these two roadways. Per CARB land use siting guidelines, it is recommended to avoid siting sensitive land uses within 500 feet of urban roadways and freeways with 100,000 vehicles per day, or rural roads with 50,000 vehicles per day to avoid exposing sensitive receptors to substantial concentration of air pollutants (CARB 2005). Overall, while the proposed project could generate heavy-duty truck travel along the local roadways, the proposed project would only incrementally increase average daily trips for all vehicle types (i.e., passenger vehicles, heavy-duty trucks, etc.) by up to 5,934 average daily trips along the local roadways (see Appendix A). Because the proposed project would not have any warehousing uses and would primarily consist of retail, restaurant, and commercial uses, it anticipated that project-related traffic volumes would primarily consist of passenger vehicles associated with patrons. Thus, the incremental increase in vehicle trips that could result from implementation of the proposed project would be below roadway volumes identified by the CARB land use siting screening criteria to avoid exposing sensitive receptors to substantial concentration of air pollutants from vehicles traveling along roadway. Therefore, operation of the proposed project would not expose nearby off-site sensitive receptors to substantial concentrations of TACs.

CO Hotspots

Areas of vehicle congestion have the potential to create pockets of CO called hotspots. These pockets have the potential to exceed the State 1-hour standard of 20 ppm or the 8-hour standard of 9.0 ppm. Because CO is produced in greatest quantities from vehicle combustion and does not readily disperse into the atmosphere, adherence to AAQS is typically demonstrated through an analysis of localized CO concentrations. Hotspots are typically produced at intersections, where traffic congestion is highest because vehicles queue for longer periods and are subject to reduced speeds. However, emissions from motor vehicles, the largest source of CO emissions, have been declining since 1985, despite increases in VMT, due to the introduction of new automotive emission controls and fleet turnover (SJVAPCD 2015b). Furthermore, under existing and future vehicle emission rates, a project would have to increase traffic volumes at a single intersection to more than 44,000 vehicles per hour—or 24,000 vehicles per hour where vertical and/or horizontal air does not mix—in order to generate a significant CO impact (BAAQMD 2023).[9] Buildout of the proposed project would generate up to 1,183 peak-hour trips (IEG 2026). Overall, implementation of the proposed project would result in overall peak hour turning volumes between 352 to 6,865 for the intersections considered in the traffic study and would not produce the volume of traffic required to generate a CO hotspot (IEG 2026).[10] Therefore, implementation

[9] The CO hotspot analysis refers to the modeling conducted by the Bay Area Air Quality Management District (BAAQMD) for its CEQA Guidelines, which considers the improvement in mobile-source CO emissions. The modeling conducted by BAAQMD demonstrates that the net increase in peak hour traffic volumes at an intersection in a single hour would need to be substantial. This finding is consistent with the CO hotspot analysis South Coast Air Quality Management District prepared as part of its 2003 Air Quality Management Plan (South Coast AQMD 1992; South Coast AQMD 2003) to provide support in seeking CO attainment for the South Coast Air Basin (SoCAB). Based on the analysis prepared by South Coast AQMD, no CO hotspots were predicted for the SoCAB. The analysis included some of Los Angeles' busiest intersections, with daily traffic volumes of 100,000 or more peak hour vehicle trips operating at LOS E and F.

[10] See Figure 5-2a, *Year 2028 With Project Phases I–II Peak Hour Volumes*, of the Riverview Market Transportation Analysis (IEG 2026).

of the proposed would not have the potential to substantially increase CO hotspots at intersections in the vicinity of the project site.

Construction Health Risks to Off-Site Receptors

Project-related construction activities would temporarily elevate concentrations of TACs and DPM in the vicinity of sensitive land uses. The primary sources of TACs and DPM would be exhaust generated from construction off-road equipment and construction vendor and haul-truck trips. The proposed project would be developed in two development phases over an approximately 16-month duration from March 2026 to July 2027. The estimated excess lifetime cancer risk and chronic noncancer hazard index at the nearest sensitive receptors are shown in Table 20, *Construction Risk Summary*.

Table 20 Construction Risk Summary

Receptor	Cancer Risk (per million)	Chronic Hazards
Maximum Exposed Individual Resident	1.5	0.003
Maximum Exposed Individual Worker	0.3	0.031
SVJAPCD Significance Thresholds	20	1.0
Exceeds Threshold?	No	No

Note: Cancer risk calculated using 2015 OEHHA HRA guidance (OEHHA 2015).

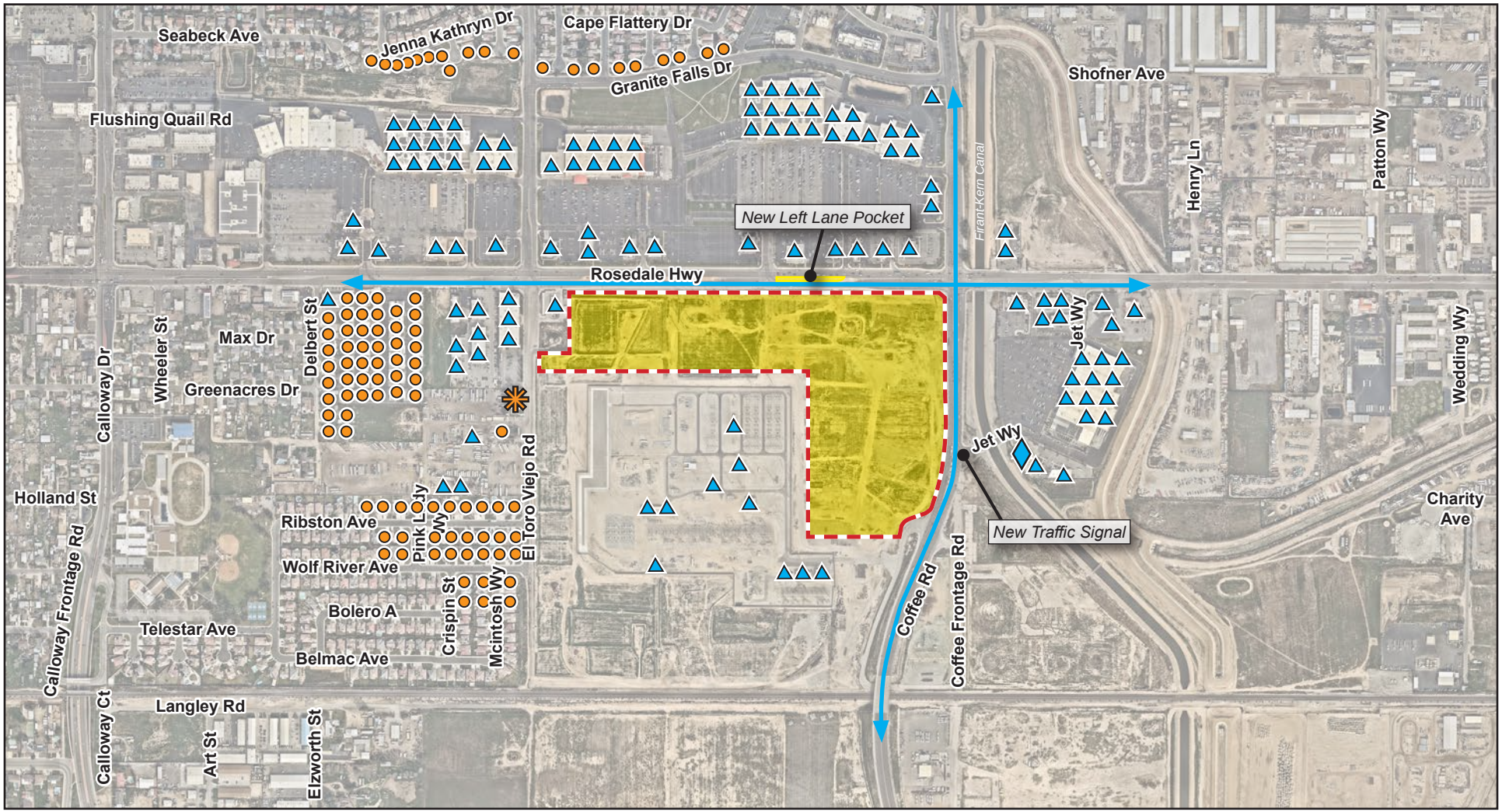
The results of the HRA are based on the maximum modeled receptor concentration over the construction exposure period, conservatively assuming a 24-hour per day outdoor exposure and averaged over a 70-year lifetime. The maximum exposed individual resident (MEIR) and worker (MEIW) are shown in Figure 3, *Project Sources and Off-Site Receptor Locations*.

As shown in Table 20, the maximum incremental cancer risk levels during the construction phase of the project at the MEIR and MEIW are 1.5 per million and 0.3 per million, respectively, which would not exceed the cancer risk significance threshold of 20 in one million. For noncarcinogenic effects, the hazard index identified for each toxicological endpoint totaled less than one for the MEIR and MEIW. Therefore, chronic noncarcinogenic hazards are within acceptable limits, and project-related construction activities would not expose nearby sensitive receptors to substantial pollutant concentrations.

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

The following discusses potential odor impacts associated with development and operation of the proposed project. Due to the subjective nature of odor impacts, the number of variables that can influence the potential for an odor impact, and the variety of odor sources, there are no quantitative or formulaic methodologies to determine if potential odors would have a significant impact. Rather, projects must be assessed on a case-by-case basis. In general, odors from the types of land uses that could generate objectionable odors (see Table 12, *SJVAPCD Screening Levels for Potential Odor Sources*) are regulated under Regulation IV, Prohibitions, Rule 4102, Nuisance, which states:

Figure 3 - Project Sources and Off-site Receptor Locations



Source: Nearmap, Inc., 2023.

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> A person shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.

The type of facilities that are considered to have objectionable odors include wastewater treatment plants, compost facilities, landfills, solid waste transfer stations, fiberglass manufacturing facilities, paint/coating operations (e.g., auto body shops), dairy farms, petroleum refineries, asphalt batch plants, chemical manufacturing, and food manufacturing facilities. The uses proposed by the project do not fall within these land uses. During project-related construction activities, construction equipment exhaust and application of asphalt and architectural coatings would temporarily generate odors. However, any construction-related odor emissions would be temporary and intermittent. Additionally, noxious odors would be confined to the immediate vicinity of the construction equipment. By the time such emissions reached any sensitive receptor, they would be diluted to well below any level of air quality concern. Furthermore, short-term construction-related odors are expected to cease upon the drying or hardening of odor-producing materials. Thus, overall, construction and operation of the proposed project are not expected to generate odors that would adversely affect a substantial number of people.

5.2.2 Greenhouse Gas Emissions Impacts

This section discusses the potential project impacts related to GHG emissions.

GHG-1	Would the proposed project generate a net increase in GHG emissions, either directly or indirectly, that would have a significant impact on the environment?

Global climate change is not confined to a particular project area and is generally accepted as the consequence of global industrialization over the last 200 years. A typical project, even a very large one, does not generate enough greenhouse gas emissions on its own to influence global climate change significantly; hence, the issue of global climate change is by definition a cumulative environmental impact.

Operation of the proposed project would generate GHG emissions from vehicle trips, water demand, wastewater and solid waste generation, area sources (e.g., consumer cleaning products), energy usage (i.e., natural gas and electricity), and refrigerants. The project operational emissions for each phase of development and full buildout are shown in Table 21, *Project Operation GHG Emissions Inventory*. As shown in the table, the primary source of project-related emissions would be from mobile-source emissions generated from project vehicle trips (e.g., employees and patrons). The next largest sources of emissions would be from energy usage, followed by the solid waste and water sectors. Overall, development of the proposed project would generate annual operational phase GHG emissions of 16,027 $MTCO_2e$ per year under full buildout year conditions and would not achieve net zero GHG emissions. Compliance with SJVAPCD's Rule 9410 eTRIP program for individual businesses in which the program would apply could contribute to reducing project-related vehicle trips and mobile sources to the extent feasible. However, it is not anticipated that compliance with Rule 9410 would result in the reductions needed to achieve net zero for the proposed project. Overall, GHG emissions

generated by the proposed project would be considered to cumulatively contribute to statewide GHG emissions.

Table 21 Project Operation GHG Emissions Inventory

Source	GHG Emissions ($MTCO_2e$ Per Year)	GHG Emissions (Percent)
Phase 1 (2026 Opening Year)		
Mobile[1,2]	13,481	94%
Area	5	<1%
Energy	644	4%
Water	75	1%
Solid Waste	194	1%
Refrigerants	19	<1%
Amortized Construction (30-years)	12	<1%
Total All Sectors	14,431	100%
Phase 2 (2027 Opening Year)		
Mobile[1,3]	1,709	91%
Area	1	<1%
Energy	128	7%
Water	19	1%
Solid Waste	29	2%
Refrigerants	<1	<1%
Amortized Construction (30-years)	6	<1%
Total All Sectors	1,892	100%
Full Buildout (2027 Opening Year)		
Mobile[1,3]	14,894	93%
Area	6	<1%
Energy	773	5%
Water	94	1%
Solid Waste	223	1%
Refrigerants	19	<1%
Amortized Construction (30-years)	18	<1%
Total All Sectors	16,027	100%
Net Zero Threshold	0 $MTCO_2e$	N/A
Exceeds Threshold?	Yes	N/A

Source: CalEEMod, Version 2022.1.
Notes: Manual summation of values may not equal to the shown totals due to rounding.
1 Based on trip generation, VMT, and vehicle fleet mix data provided by Integrated Engineering Group (2026).
2 Based on calendar year 2026 emissions data.
3 Based on calendar year 2027 emissions data.

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

Applicable plans adopted for the purpose of reducing GHG emissions include CARB's Scoping Plan and Kern COG's RTP/SCS. A consistency analysis with these plans is presented below.

CARB Scoping Plan

The CARB Scoping Plan is applicable to state agencies but is not directly applicable to cities/counties and individual projects (i.e., the Scoping Plan does not require the City to adopt policies, programs, or regulations to reduce GHG emissions). However, new regulations adopted by the state agencies outlined in the Scoping Plan result in GHG emissions reductions at the local level. As a result, local jurisdictions benefit from reductions in transportation emissions rates, increases in water efficiency in the building and landscape codes, and other statewide actions that affect a local jurisdiction's emissions inventory from the top down. Statewide strategies to reduce GHG emissions include the LCFS and changes in the corporate average fuel economy standards (e.g., Pavley I and Pavley California Advanced Clean Cars program).

The proposed project would adhere to the programs and regulations identified by the Scoping Plan and implemented by state, regional, and local agencies to achieve the statewide GHG reduction goals of AB 32 and SB 32. For example, new buildings under the proposed project would be required to, at minimum, meet the current CALGreen and Building Energy Efficiency Standards. The proposed project would install on-site PV systems to generate renewable electricity (anticipated 1,201,933 kWh/yr), which would be in compliance with the PV requirements under Section 140.10 of the Building Energy Efficiency Standards. Additionally, the proposed project would include electric vehicle (EV) parking in compliance with the CALGreen EV parking requirements. Installation of the proposed PV systems and EV parking spaces would contribute to achieving the building decarbonization and transportation electrification strategies of the Scoping Plan. Overall, development of the proposed project would not obstruct implementation nor be inconsistent with the CARB Scoping Plan.

Kern COG's Regional Transportation Plan/Sustainable Communities Strategy

The Kern COG 2022 RTP/SCS transportation projects help more efficiently distribute population, housing, and employment growth, and forecast development is generally consistent with regional-level general plan data to promote active transportation and reduce GHG emissions. The projected regional development, when integrated with the proposed regional transportation network in the 2022 RTP/SCS, would reduce per-capita GHG emissions related to vehicular travel and achieve the GHG reduction per capita targets for the Kern COG region. The 2022 RTP/SCS does not require that local general plans, specific plans, or zoning be consistent with the SCS, but provides incentives for consistency to governments and developers.

The proposed project would result in the development of a shopping center that would provide retail and commercial uses within the interior area of the City of Bakersfield. A VMT analysis was prepared in accordance with Senate Bill 743 to evaluate potential VMT impacts of the project (GTS 2025). Per the analysis, the proposed project would result in an overall net increase in countywide roadway VMT under both existing and cumulative conditions. Additionally, the proposed medical office use would exceed the applicable VMT per employee threshold. Therefore, the proposed project would be inconsistent with the overall goal of the Kern COG 2022 RTP/SCS in reducing per capita GHG emissions related to passenger vehicle travel and would interfere with Kern COG's ability to implement the 2022 RTP/SCS.

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5.2.3 Energy Impacts

This section discusses the potential project impacts related to energy.

ENE-1	Would the project result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation. [Threshold E-1])?

Short-Term Construction Impacts

Construction of the proposed project would create temporary increased demands for electricity and vehicle fuels compared to existing conditions and would result in short-term, energy use from off-road mobile equipment and on-road vehicles.

Construction Equipment Electrical Energy

Construction of the proposed project would not require electricity to power most construction equipment. Electricity use during construction of the proposed project would vary during different phases of construction. The majority of construction equipment would be gasoline or diesel powered. Later construction phases (e.g., vertical building construction) could result in the use of electricity-powered equipment for interior construction and architectural coatings. However, while not quantified, it is anticipated that the majority of electric-powered construction equipment would be hand tools (e.g., power drills, table saws) and lighting, which would result in minimal electricity usage during construction activities. Additionally, it is anticipated that such equipment would be used on an as-needed basis. Therefore, project-related construction activities would not result in wasteful or unnecessary electricity demands.

Construction Equipment Natural Gas Energy

It is not anticipated that construction equipment used for the proposed project would be powered by natural gas, and no other natural gas demand is anticipated during construction. Therefore, project-related construction activities would not result in wasteful or unnecessary natural gas usage.

Off-Road and On-Road Transportation Energy

Transportation energy use during construction of the proposed project would come from delivery vehicles, haul trucks, and construction employee vehicles as well as off-road construction equipment. It is anticipated that the majority of off-road construction equipment, such as what is used during demolition and grading, would be gas or diesel powered. The use of energy resources by these vehicles would fluctuate according to the phase of construction. Fuel consumption during construction (years 2026 through 2027) was calculated based on fuel consumption data from the EMFAC2021 (v. 1.0.2) and OFFROAD (v. 1.1.3) databases. The results are shown in Table 22, *Construction-Related Fuel Usage*.

Table 22 Construction-Related Fuel Usage

Project Component	Gas		Diesel		Electricity	
	VMT	Gallons	VMT	Gallons	VMT	kWh
Construction Worker Commute						
Phase 1	317,886	12,000	452	12	9,053	3,299
Phase 2	196,259	7,261	266	7	6,280	2,290
Left Turn Lane	317,886	12,000	452	12	9,053	3,299
Traffic Signal Installation	196,259	7,261	266	7	6,280	2,290
Subtotal	522,393	19,572	729	19	15,568	5,675
Construction Vendor Trips						
Phase 1	3,516	733	50,463	6,922	0	0
Phase 2	1,067	220	15,980	2,160	0	0
Left Turn Lane	3,516	733	50,463	6,922	0	0
Traffic Signal Installation	1,067	220	15,980	2,160	0	0
Subtotal	4,676	972	67,769	9,264	0	0
Construction Truck Haul and Onsite Truck Trips						
Phase 1	0	0	25	4	0	0
Phase 2	0	0	23	4	0	0
Left Turn Lane	0	0	25	4	0	0
Traffic Signal Installation	0	0	23	4	0	0
Subtotal	0	0	2,947	467	0	0
Construction Off-Road Equipment						
Phase 1	N/A	744	N/A	10.265	N/A	0
Phase 2	N/A	272	N/A	8,350	N/A	0
Left Turn Lane	N/A	14	N/A	625	N/A	0
Traffic Signal Installation	N/A	0	N/A	167	N/A	0
Subtotal	N/A	1,030	N/A	19,827	N/A	0
Total	527,069	21,574	71,446	29,578	15,568	5,675

Sources: EMFAC2021 v; 1.0.2; OFFROAD v. 1.1.3.
Notes: VMT=vehicle miles traveled; kWh=kilowatt hour

To limit wasteful and unnecessary energy consumption from transportation, the construction contractors would minimize nonessential idling of construction equipment during construction in accordance with 13 CCR Article 4.8, Chapter 9, Section 2449, which limits nonessential idling of diesel-powered off-road equipment to five minutes. In addition, the project site is served by numerous regional freeway systems (e.g., State Routes 99, 58, and 178) that provide the most direct routes from various areas of the region. Moreover, all construction equipment would cease operating upon completion of project construction. Thus, energy use during construction of the proposed project would not be considered inefficient, wasteful, or unnecessary.

Long-Term Impacts During Operation

Operation of the proposed project would create additional demands for electricity and natural gas compared to existing conditions and would result in increased transportation energy use. Operational energy use would include heating, cooling, and ventilation of buildings; water heating; operation of electrical systems, use of on-site equipment and appliances; and indoor, outdoor, perimeter, and parking lot lighting.

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Electrical Energy

Operation of the proposed project would consume electricity for various purposes, including but not limited to cooling and ventilation of buildings; operation of electrical systems; lighting; and use of on-site equipment and appliances. Electrical service to the proposed project would be provided by PG&E through connections to existing off-site electrical lines and new on-site infrastructure. As shown in Table 23, *Project Grid Electricity Demand*, the proposed project would have a total electricity demand of 5,968,579 kilowatt hours per year (kWh/yr).

Table 23 Project Electricity Demand

Land Use	Electricity (kWh/year)[1,2]
Regional Shopping Center[3]	2,335,726
Medical Office	214,042
Convenience Mart/Gas Station	25,106
Fast Food Restaurant w/Drive Thru	753,849
Automated Carwash	48,643
Public Storage	429,593
Parking Lot	959,688
Renewable Electricity from Onsite PV Systems[1]	1,201,933
Proposed Project Total	5,968,579

Source: CalEEMod version 2022.1.
1 Based on information provided by the project applicant.
2 Accounts for total electricity use from proposed buildings and parking lots. See Appendix A.
3 The shown electricity demand represents the CalEEMod default electricity demand of 3,537,659 kWh per year minus the anticipated 1,201,933 kWh per year of renewable electricity that would be generated from the proposed onsite PV systems.

While the proposed project would result in electricity demand, it would be designed and built to meet the current Building Energy Efficiency Standards and CALGreen, which would contribute to increasing energy efficiency. In accordance with the 2025 Building Energy Efficiency Standards, the proposed project would install rooftop PV systems and battery storage systems. These systems would contribute an estimated 1,201,933 kWh/yr of onsite renewable electricity to offset a portion of the project electricity demand from the grid. The on-site PV systems and battery storage—in addition to compliance with the RPS requirements by PG&E to increase electricity from renewable sources in the coming years—would further increase renewable electricity use. Furthermore, compliance with CALGreen would contribute to reducing indoor water use, which would also contribute to minimizing electricity demand from the transport and distribution of water. Thus, electricity use from operation of the proposed project would not be considered inefficient, wasteful, or unnecessary.

Natural Gas Energy

The proposed project would generate demand for natural gas due to the heating and cooling for the building and for water. As shown in Table 24, *Project Natural Gas Demand*, the proposed land uses would generate a natural gas demand of 6,150,142 kilo British thermal units per year (kBTU/yr) under full buildout conditions. Development pursuant to the proposed project would result in a net increase in natural gas demands. However,

the proposed project would be built to meet the current Building Energy Efficiency Standards and CALGreen, which would contribute to optimizing energy efficiency of the proposed buildings. For example, building insulation requirements would contribute to minimizing use of natural gas for heating. Thus, overall, the proposed project would not result in wasteful or unnecessary natural gas demands.

Table 24 Project Natural Gas Demand

Land Use	Natural Gas (kBTU/year)[1,2]
Regional Shopping Center	3,280,464
Medical Office	364,604
Convenience Mart/Gas Station	14,278
Fast Food Restaurant w/Drive Thru	2,109,444
Automated Carwash	167,987
Public Storage	213,366
Parking Lot	0
Proposed Project Total	6,150,142

Source: CalEEMod version 2022.1.
Note: kBTU = kilo British thermal units
1 Based on information provided by the project applicant.
2 Accounts for total natural gas use from proposed buildings. See Appendix A.

Transportation Energy

The proposed project would consume long-term transportation-related energy during operations from the use of motor vehicles. Estimates of transportation energy use are based on the overall VMT and EMFAC2021 fuel consumption data. Project-related vehicle trips would primarily be generated from customers and employees. Additional vehicle trips to the project site would include deliveries, waste pick up, and maintenance trips.

Table 25, *Project Annual Operation-Related Fuel Usage*, shows the annual energy usage from project-related vehicle trips at full buildout. While operation of the proposed project would result in energy usage, the project site is within a half mile of bus stops for three Golden Empire Ticket bus routes (Routes 61, 82, and 84) and would be accessible from the existing surrounding sidewalks and class II bike lanes along Rosedale Highway and Coffee Road (IEG 2026). The proposed project would also provide bicycle parking and lockers. These amenities could contribute to minimizing vehicle trips and VMT. In addition, fuel efficiency standards for automobiles are established nationwide under the CAFE standards, which are not directly applicable to residents or land use development projects, but to car manufacturers. Thus, future customers and employees of the proposed project and the general population in the region do not have direct control in determining the fuel efficiency of vehicles manufactured and that are made available. However, compliance with the CAFE standards by car manufacturers would ensure that vehicles produced in future years have greater fuel efficiency and would generally result in an overall benefit of reducing fuel usage by providing the population of the city and region more fuel-efficient vehicle options. Thus, the assumed and forecast general fuel efficiency based on EMFAC2021 data used to quantify project-related transportation energy usage in Table 25 also applies to the population at large, and vehicles driven by project customers and employees would not be any less efficient than the vehicles driven by

the general population. Thus, it is expected that operation-related fuel usage associated with the proposed project would not be considered inefficient, wasteful, or unnecessary.

Table 25 Project Annual Operation-Related Fuel Usage

	Gasoline		Diesel		CNG		Electricity	
Source	Annual VMT[1]	Annual Gallons	Annual VMT[1]	Annual Gallons	Annual VMT[1]	Annual Gallons	Annual VMT[1]	Annual kWh
Project Vehicle Trips	32,807,847	1,328,437	2,787,487	251,080	10,571	313	1,856,622	646,405

Source: EMFAC2021 v. 1.0.2.
1 Based on VMT and trip generation data provided by Integrated Engineering Group (2026).

ENE-2 Would the project conflict with or obstruct a state or local plan for renewable energy or energy efficiency. [Threshold E-2])

The following evaluates consistency of the proposed project with California's RPS program.

California Renewables Portfolio Standard

The statewide RPS goal is not directly applicable to individual development projects, but to utilities and energy providers such as PG&E, which would provide all of the electricity needs for the proposed project. Compliance of PG&E in meeting the RPS goals would ensure that the State meets its objective of transitioning to renewable energy. The proposed project would be subject to the 2025 Building Energy Efficiency Standards and, in compliance with those standards, would install battery storage and rooftop PV systems. These systems would support the RPS program and the statewide transition to renewable energy. Therefore, implementation of the proposed project would not conflict with or obstruct plans for renewable energy and energy efficiency.

5.3 RECOMMENDED REDUCTION MEASURES

5.3.1 Air Quality

Impact AIR-1 and Impact AIR-2

Operation

AQ-1 Prior to issuance of building permits, the project applicant shall enter into a Voluntary Emission Reduction Agreement (VERA) with the San Joaquin Valley Air Pollution Control District (SJVAPCD) to mitigate regional air quality impacts associated with emissions of VOC and NO_X generated by operation of the proposed project. At minimum, the VERA shall be crafted and shown to mitigate project-related operation emissions to below the SJVAPCD regional significance thresholds for VOC and NO_X. Prior to the issuance of building permits, the project applicant shall provide documentation to the City of Bakersfield Development Services Department (City), that verifies, to the City's satisfaction, completion of the VERA.

AQ-2 The project proponent/developer shall use paints and coatings with a VOC content of 25 grams per liter or less for all initial and future exterior coating and recoating of structures

including parking lot striping. This reduced VOC content requirement shall be incorporated into all site plans and appropriate construction documents (e.g., construction management plan) and submitted to the City of Bakersfield Development Services Department.

5.3.2 Greenhouse Gas Emissions

Impact GHG-1

GHG-1 The project proponent/developer shall design and construct the proposed buildings to be all electric, with electricity to be the only permanent source of energy for all nonemergency building energy needs, including but not limited to water heating; mechanical equipment; and heating, ventilation, and air conditioning (HVAC) (i.e., space-heating and space cooling). All major appliances (e.g., dishwashers, refrigerators, and water heaters) provided/installed shall be electric-powered EnergyStar certified or an equivalent energy efficiency where applicable. The only exception to this measure shall be limited to commercial cooking uses. Prior to issuance of building permits for development projects, project proponent/developer shall provide plans that show the aforementioned requirements to the City of Bakersfield Building Division. Prior to issuance of the certificate of occupancy, the City of Bakersfield Building Division shall verify installation of the electric-powered EnergyStar or equivalent appliances.

GHG-2 Prior to issuance of the certificate of occupancy, the property owner shall provide documentation to the City of Bakersfield Building Division demonstrating enrollment in a 100 percent carbon-free electricity energy plan, such as the Pacific Gas & Electric's (PG&E) 100% Solar Choice plan, for proposed project building(s) if such plan is available. If a 100 percent carbon-free electricity plan is not available, the property owner shall enroll in an energy plan with the next highest carbon-free electricity until a 100 percent carbon-free electricity energy plan becomes available. Measures to achieve 100 percent carbon-free electricity use may include, but are not limited to, plans for 100 percent renewable electricity. If such carbon-free electricity energy plans are waitlisted, the property owner may enroll in an available energy plan in the meantime, but shall sign up for the waiting list for and enroll in a carbon-free electricity energy plan when it becomes available.

GHG-3 All landscaping equipment (e.g., leaf blower) used for property management shall be electric-powered only. Prior to issuance of the first certificate of occupancy, the property owner shall provide documentation (e.g., purchase, rental, and/or services agreement) to the City of Bakersfield Building Division to verify that all landscaping equipment utilized will be electric-powered.

GHG-4 Any off-road equipment (e.g., forklifts) used in daily business operations shall be electric-powered. The project proponent/developer shall disclose this requirement to all tenants/business entities prior to the signing of any lease agreement. In addition, the limitation to use only electric-powered off-road equipment shall be included in all leasing agreements.

5. Environmental Impacts

Prior to issuance of a Business License for a new tenant/business entity, the project proponent/developer and tenant/business entity shall provide a signed document (verification document) to the City of Bakersfield (City) noting that the property owner has disclosed to the tenant/business entity the requirement to use only electric-powered equipment for daily operations. This verification document shall be signed by authorized agents for the project proponent/developer and tenant/business entities. In addition, if applicable, the tenant/business entity shall provide documentation (e.g., purchase or rental agreement) to the City to verify, to the City's satisfaction, that any off-road equipment utilized will be electric-powered.

GHG-5 The project proponent/developer shall coordinate with Golden Empire Transit and provide improvements (e.g., bus shelter) of up to two bus stops. Prior to issuance of the first certificate of occupancy, the project proponent/developer shall provide documentation to the City of Bakersfield Building Division to verify, to the City's satisfaction, that coordinate with Golden Empire Transit has been initiated.

GHG-6 The project proponent/developer shall install an end-of-trip shower facility. This end-of-trip shower facility requirement shall be incorporated into all site plans and appropriate building plans and submitted to the City of Bakersfield Building Division. Prior to issuance of the certificate of occupancy, the City of Bakersfield Building Division shall verify the installation of end-of-trip shower facility.

GHG-7 The project proponent/developer shall design the parking areas to comply with the Tier 2 Nonresidential Voluntary Measures of the California Green Building Standards Code (CALGreen), Division A5.1, Planning and Design, Section A5.106.5.3.4. This requirement shall be identified on all prepared building and site plans. The project proponent/developer shall submit these building and site plans that note this requirement to the City of Bakersfield Building Division prior to the issuance of construction permits.

Impact GHG-2

Apply Reduction Measures GHG-5 and GHG-6.

Measure Considered and Rejected

A measure to require tenants/business operators to only use zero-emission medium-heavy duty and heavy-heavy duty vendor trucks was considered. However, this type of measure was rejected due to the retail commercial nature of the proposed project. It is anticipated that the tenants/business operators would not own their own truck fleets and thus, the types of goods delivery/vendor trucks received by the tenants/business operators would be dependent on third-party truck fleet operators. Therefore, the types of trucks delivering goods to the tenants/business operators would not be in their control.

5.3.3 Energy

No reduction measures necessary.

5.4 RESULTS WITH REDUCTION MEASURES

5.4.1 Air Quality

Impact AIR-1 and Impact AIR-2

Implementation of Reduction Measure AQ-2 would provide onsite reductions in VOC emissions associated with coatings and paints used for the building exterior surfaces and parking lot striping. Furthermore, implementation of Reduction Measures GHG-1 through GHG-3 could also provide VOC reductions generated from building energy use, property management landscaping equipment, and project-related vehicle trips. Table 26, *Annual Regional Operation Emissions With Reduction Measures AQ-2 and GHG-3*, shows the project-related annual emissions at full buildout with incorporation of Reduction Measure AQ-2 (low VOC content paints) and Reduction Measure GHG-3 (electric-powered landscaping equipment) in addition to the net change compared to the project-related annual emissions at full buildout without the reduction measures.

Table 26 Annual Regional Operation Emissions With Reduction Measures AQ-2 and GHG-3

Source	Maximum Daily Emissions (tons per year)					
	VOC	NO_x	CO	SO_2	PM_{10}	$PM_{2.5}$
Full Buildout (2027 Full Buildout Year) Without Mitigation						
Mobile[1,2]	13	10	68	<1	13	3
Area	1.98	0.01	1.59	9.47E-5	2.81E-3	2.13E-3
Energy	<1	<1	<1	<1	<1	<1
Total	14.56	10.29	70.26	0.16	13.32	3.50
Full Buildout (2027 Full Buildout Year) With Mitigation						
Mobile[1,2]	13	10	68	<1	13	3
Area[3]	1.69	0	0	0	0	0
Energy	<1	<1	<1	<1	<1	<1
Total	14.27	10.28	68.67	0.16	13.32	3.50
SJVAPCD Regional Threshold	10	10	100	27	15	15
Exceeds Threshold?	Yes	Yes	No	No	No	No
Net Change						
Mobile	0	0	0	0	0	0
Area	(0.29)	(0.01)	(1.59)	(9.47E-5)	(2.81E-3)	(2.13E-3)
Energy	0	0	0	0	0	0
Total	(0.29)	(0.01)	(1.59)	(9.47E-5)	(2.81E-3)	(2.13E-3)

Source: CalEEMod Version 2022.1.
Notes: (" ") = negative value
1 Based on trip generation data provided by Integrated Engineering Group (2026).
2 Based on calendar year 2027 emissions data.
3 Includes implementation of Reduction Measure AQ-2, which requires use of paints and coatings with a VOC content of 25 grams per liter or less, and Reduction Measure GHG-3, which requires all landscaping equipment to be electric-powered.

5. Environmental Impacts

As shown in Table 26, the proposed project would still exceed the SJVAPCD significance thresholds for VOC and NO_X with incorporation of Reduction Measures AQ-2 and GHG-3. However, the amount exceeded for these two criteria air pollutants would be addressed through implementation of Reduction Measure AQ-1, which would require a VERA for the proposed project. In general, a VERA provides pound-for-pound mitigation of air pollutant emissions through a process that funds and implements emission reduction projects through the SJVAPCD emission reduction incentive grant program. Thus, implementation of Reduction Measure AQ-1—in addition to compliance with the Indirect Source Review program under SJVAPCD Rule 9510—would, at minimum, offset the amount of project-related regional emissions of VOC and NO_X that exceed their SJVAPCD regional significance thresholds. Implementation of Reduction Measure AQ-1 would also ensure consistency of the proposed project with the applicable SJVAPCD air quality plans and ensure that operation of the proposed project would not cumulatively contribute to the nonattainment designations of the SJVAB.

5.4.2 Greenhouse Gas

Impact GHG-1

Table 27, *Project Operation GHG Emissions Inventory With Reduction Measures GHG-1 and GHG-3*, shows the project-related annual emissions at full buildout with incorporation of Reduction Measure GHG-1 (all-electric building systems and appliances) and Reduction Measure GHG-3 (electric-powered landscaping equipment) in addition to the net change compared to the project-related annuals emissions at full buildout without the reduction measures. Implementation of Reduction Measures GHG-1 and GHG-3 would contribute to supporting and encouraging use of electricity instead of natural gas or other liquid fuels, which would minimize on-site generation of GHG emissions. As shown in Table 27, implementation of Reduction Measures GHG-1 and GHG-3 would reduce project-related GHG emissions by 102 $MTCO_2e$/yr. However, these two reduction measures would not reduce project-related emissions to achieve net zero. Overall, the other reduction measures would help contribute to reducing operation-related project GHG emissions to the extent feasible. For example, Reduction Measure GHG-2 would contribute to increasing use of carbon-free renewable electricity and supplement the on-site renewable electricity generated by the proposed on-site PV systems. Additionally, Reduction Measures GHG-5 and GHG-6 would result in active and public transit facility improvements and encourage active transit and public transit use, which would contribute to reducing passenger VMT. Furthermore, Reduction Measure GHG-7 would result in increased EV charging infrastructure improvements and support use and adoption of EVs. Overall, although implementation of reduction measures would reduce project-related GHG emissions to the extent feasible, operation of the proposed project is still anticipated to generate GHG emissions and would not achieve the net zero threshold. Thus, project-related GHG emissions would have a substantial cumulative contribution to GHG emissions impacts.

Table 27 Project Operation GHG Emissions Inventory With Reduction Measures GHG-1 and GHG-3

Source	GHG Emissions ($MTCO_2e$ Per Year)	GHG Emissions (Percent)
Full Buildout (2027 Opening Year) Without Mitigation		
Mobile[1,2]	14,894	93%
Area	6	<1%
Energy	773	5%
Water	94	1%
Solid Waste	223	1%
Refrigerants	19	<1%
Amortized Construction (30-years)	18	<1%
Total All Sectors	**16,027**	**100%**
Full Buildout (2027 Opening Year) With Mitigation		
Mobile[1,2]	14,894	93%
Area[3]	0	0%
Energy[4]	677	4%
Water	94	1%
Solid Waste	223	1%
Refrigerants	19	<1%
Amortized Construction (30-years)	18	<1%
Total All Sectors	**15,926**	**100%**
Net Zero Threshold	0 $MTCO_2e$	N/A
Exceeds Threshold?	**Yes**	**N/A**
Net Change		
Mobile	0	N/A
Area	(6)	N/A
Energy	(96)	N/A
Water	0	N/A
Solid Waste	0	N/A
Refrigerants	0	N/A
Amortized Construction (30-years)	0	N/A
Total All Sectors	**(102)**	**N/A**

Source: CalEEMod, Version 2022.1.
Notes: Manual summation of values may not equal to the shown totals due to rounding.
1 Based on trip generation, VMT, and vehicle fleet mix data provided by Integrated Engineering Group (2026).
2 Based on calendar year 2027 emissions data.
3 Includes implementation of Reduction Measure GHG-3, which requires all landscaping equipment to be electric-powered.
4 Includes implementation of Reduction Measure GHG-1, which requires all-electric building systems and appliances for land uses except for restaurant land uses.

Impact GHG-2

Per the VMT analysis prepared, the proposed project has been designed to incorporate feasible VMT reducing strategies (GTS 2025). The proposed project would include end-of-trip bicycle facilities such as bicycle parking and lockers. In addition, it also includes bicycle facility improvements as it proposes a new bicycle lane along Rosedale Drive, which would extend an existing facility and improve overall bicycle network connectivity. Furthermore, the proposed project includes pedestrian network improvements such as new sidewalks along its

frontages, which would improve pedestrian connectivity and walkability (GTS 2025). Aside from these project-related design features, future commercial tenants of the proposed project would be subject to the SJVAPCD Rule 9410 eTRIP rule. These project improvements in addition to the SJVPACD eTRIP rule would contribute to reducing project-generated VMT to the extent feasible. Incorporation of Reduction Measures GHG-5 and GHG-6, which would result in improvements for up to two bus stops and installation of an onsite end-of-trip shower facility, would also contribute to reducing project-generated VMT to the extent feasible by supporting public transit and bicycle use. However, overall, the proposed project would continue to be inconsistent with the Kern COG 2022 RTP/SCS.

5.5 CUMULATIVE IMPACTS

5.5.1 Air Quality

In accordance with SJVAPCD's methodology, any project that produces a significant project-level regional air quality impact in an area that is in nonattainment contributes to the cumulative impact. The greatest source of emissions in the SJVAB is mobile sources. Due to the extent of the area potentially impacted from cumulative emissions (i.e., the SJVAB), SJVAPCD considers a project cumulatively significant when project-related emissions exceed the SJVAPCD regional emissions thresholds shown in Table 9.

Construction

The SJVAB is designated nonattainment for O_3 and $PM_{2.5}$ under the California and National AAQS, and nonattainment for PM_{10} under the California AAQS. Construction of cumulative projects will further degrade the regional and local air quality. Air quality will be temporarily impacted during construction activities. However, construction emissions associated with the proposed project would not exceed the SJVAPCD's regional construction emissions thresholds. Therefore, the project's contribution to cumulative air quality impacts would be less than cumulatively considerable.

Operation

For operational air quality emissions, any project that does not exceed or can be mitigated to less than the daily regional threshold values is not considered by the SJVAPCD to be a substantial source of air pollution and does not add significantly to a cumulative impact. Incorporation of Reduction Measure AQ-1, which would require the project applicant to enter into a VERA with the SJVAPCD, would, at minimum, offset the amount of project-operation-related regional emissions of VOC and NO_X that exceed their SJVAPCD regional significance thresholds. Furthermore, with implementation of reduction measures, the proposed project would be consistent with regional plans to reduce air pollution. Therefore, the project's operational phase air pollutant emissions would not be cumulatively considerable.

5.5.2 Greenhouse Gas Emissions

Project-related GHG emissions are not confined to a particular air basin, but are dispersed worldwide. Therefore, impacts identified under Impact GHG-1 are not project-specific impacts to global warming, but the proposed project's contribution to this cumulative impact. As stated, implementation of Reduction Measures

GHG-1 through GHG-7 would contribute to minimizing project-related energy sector and mobile source GHG emissions to the extent feasible. However, the proposed project would still result in a net increase in GHG emissions. Thus, the proposed project's GHG emissions and contribution to global climate change impacts are considered cumulatively considerable.

5.5.3 Energy

The area considered for cumulative impacts to electricity and natural gas supplies is the service area of PG&E. Other projects in the PG&E service area would be required to comply with the Building Energy Efficiency Standards and CALGreen, which would contribute to minimizing wasteful energy consumption and promoting renewable energy sources. As discussed in impact discussion ENE-1, construction- and operation-related energy impacts caused by the proposed project would not be considered inefficient, wasteful, or unnecessary. The proposed project would therefore not contribute to any cumulative energy impacts when considered together with cumulative development projects and would not be cumulatively considerable.

5. Environmental Impacts

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Appendix A. Modeling Summaries and Assumptions

Appendix

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Regional Operational Emissions Worksheet

Regional Emission (Tons/Yr)

Phase 1 (Opening Year 2026)

Annual	**ROG**	**NOx**	**CO**	**SO2**	**PM10 Total**	**PM2.5 Total**
Mobile	11.57152593	9.462525355	63.89544133	0.142622	11.91614987	3.11827332
Area	1.544984598	0.010396326	1.235189721	7.368E-05	0.002195269	0.00165864
Energy	0.01420645	0.25829908	0.21697123	0.0015498	0.019630729	0.01963073
Total	13.13071698	9.73122076	65.34760228	0.1442455	11.93797587	3.13956269
Regional Thresholds	**10**	**10**	**100**	**27**	**15**	**15**
Exceeds Thresholds?	Yes	No	No	No	No	No

Phase 2 (Opening Year 2027)

Annual	**ROG**	**NOx**	**CO**	**SO2**	**PM10 Total**	**PM2.5 Total**
Mobile	1.44135406	1.144872842	7.848619087	0.018082	1.525549893	0.39877468
Area	0.439145898	0.002962694	0.352090131	2.1E-05	0.000625403	0.00047277
Energy	0.002374816	0.043178468	0.036269913	0.0002591	0.003281563	0.00328156
Total	1.882874775	1.191014003	8.236979131	0.0183621	1.529456859	0.40252901
Regional Thresholds	**10**	**10**	**100**	**27**	**15**	**15**
Exceeds Thresholds?	No	No	No	No	No	No

Full Buildout (Buildout Year 2027)

Annual	**ROG**	**NOx**	**CO**	**SO2**	**PM10 Total**	**PM2.5 Total**
Mobile	12.56420059	9.979790832	68.41596196	0.1576198	13.29813083	3.47609596
Area	1.984211701	0.013356724	1.587329497	9.469E-05	0.002819505	0.00213141
Energy	0.016581265	0.301477547	0.253241144	0.0018089	0.022912292	0.02291229
Total	14.56499356	10.2946251	70.2565326	0.1595233	13.32386263	3.50113967
Regional Thresholds	**10**	**10**	**100**	**27**	**15**	**15**
Exceeds Thresholds?	Yes	Yes	No	No	No	No

Ambient Air Quality Analysis (lbs/day)

Annual Operational Days: 365

	ROG	**NOx**	**CO**	**SO2**	**PM10 Total**	**PM2.5 Total**
Mobile	25,128.401	19,959.582	136,831.924	315.240	26,596.262	6,952.192
Area	3,968.423	26.713	3,174.659	0.189	5.639	4.263
Energy	33.163	602.955	506.482	3.618	45.825	45.825
Total	29,129.987	20,589.250	140,513.065	319.047	26,647.725	7,002.279
Maximum Daily Emissions	79.81	56.41	384.97	0.87	73.01	19.18
SJVAPCD Ambient Air Quality Screening Thresholds	**100**	**100**	**100**	**100**	**100**	**100**
Exceeds Thresholds?	No	No	Yes	No	No	No

Regional Operational Emissions Worksheet With Reduction Measures AQ-2 and GHG-3

Regional Emission (Tons/Yr)

Phase 1 (Opening Year 2026)

Annual	**ROG**	**NOx**	**CO**	**SO2**	**PM10 Total**	**PM2.5 Total**
Mobile[1]	11.57152593	9.462525355	63.89544133	0.142622	11.91614987	3.11827332
Area	1.319575806	0	0	0	0	0
Energy	0.01420645	0.25829908	0.21697123	0.0015498	0.019630729	0.01963073
Total	12.90530819	9.720824435	64.11241256	0.1441718	11.9357806	3.13790405
Regional Thresholds	**10**	**10**	**100**	**27**	**15**	**15**
Exceeds Thresholds?	Yes	No	No	No	No	No

[1] *Based on calendar year 2023 emissions.*

Phase 2 (Opening Year 2027)

Annual	**ROG**	**NOx**	**CO**	**SO2**	**PM10 Total**	**PM2.5 Total**
Mobile[2]	1.44135406	1.144872842	7.848619087	0.018082	1.525549893	0.39877468
Area	0.375336513	0	0	0	0	0
Energy	0.002374816	0.043178468	0.036269913	0.0002591	0.003281563	0.00328156
Total	1.819065389	1.18805131	7.884889	0.0183411	1.528831457	0.40205624
Regional Thresholds	**10**	**10**	**100**	**27**	**15**	**15**
Exceeds Thresholds?	No	No	No	No	No	No

[2] *Based on calendar year 2023 emissions.*

Full Buildout (Buildout Year 2027)

Annual	**ROG**	**NOx**	**CO**	**SO2**	**PM10 Total**	**PM2.5 Total**
Mobile	12.56420059	9.979790832	68.41596196	0.1576198	13.29813083	3.47609596
Area	1.69491244	0	0	0	0	0
Energy	0.016581265	0.301477547	0.253241144	0.0018089	0.022912292	0.02291229
Total	14.2756943	10.28126838	68.6692031	0.1594286	13.32104312	3.49900825
Regional Thresholds	**10**	**10**	**100**	**27**	**15**	**15**
Exceeds Thresholds?	Yes	Yes	No	No	No	No
	$ 422,438.60	$(28,582.77)				

Ambient Air Quality Analysis (lbs/day)

Annual Operational Days: 365

	ROG	**NOx**	**CO**	**SO2**	**PM10 Total**	**PM2.5 Total**
Mobile	25,128.401	19,959.582	136,831.924	315.240	26,596.262	6,952.192
Area	3,389.825	0	0	0	0	0
Energy	33.163	602.955	506.482	3.618	45.825	45.825
Total	28,551.389	20,562.537	137,338.406	318.857	26,642.086	6,998.017
Maximum Daily Emissions	78.22	56.34	376.27	0.87	72.99	19.17
SJVAPCD Ambient Air Quality Screening Thresholds	**100**	**100**	**100**	**100**	**100**	**100**
Exceeds Thresholds?	No	No	Yes	No	No	No

GHG Emissions Worksheet

Construction Emissions

Year		Emissions ($MTCO_2e$) Phase 1	Phase 2	Offsite Improvement - Left Turn Lane	Offsite Improvement - Traffic Signal	Total
2026		344.2909967	0	14.30074393	4.683223969	363.27
2027		0	170.3985711	0	0	170.40
	Total	**344.29**	**170.40**	**14.30**	**4.68**	**533.67**

Phase		Emissions ($MTCO_2e$)
Phase 1 & Offsite Improvement		363
Phase 2		170
	Total	**534**

Operation Emissions

Phase 1

Source	Buildout $MTCO_2e$/Year	Percent of Project Total
Mobile[1]	13,481	93%
Area	5	0%
Energy	644	4%
Water	75	1%
Waste	194	1%
Refrig.	19	0%
Amortized Consstruction (30-years)[2,3]	12	0%
Total All Sectors	***14,431***	***100%***
Net Zero Threshold	0	
Exceed Threshold?	**Yes**	

[1] *Based on calendar year 2026 emission rates.*

[2] *Construction emissions are amortized over a 30 year project lifetime based on the service life of a building. For buildings in general, it is reasonable to look at a 30-year time frame, since this is a typical interval before a new building requires the first major renovation. International Energy Agency (IEA), 2008, March. Energy Efficiency Requirements in Building Codes, Energy Efficiency Policies for New Buildings.*

[3] *Includes construction emissions generated from the proposed left turn lane and traffic signal installations.*

Phase 2

Source	Buildout $MTCO_2e$/Year	Percent of Project Total
Mobile[1]	1,709	90%
Area	1	0%
Energy	128	7%
Water	19	1%
Waste	29	2%
Refrig.	0	0%
Amortized Consstruction (30-years)[2]	6	0%
Total All Sectors	***1,892***	***100%***
Net Zero Threshold	0	
Exceed Threshold?	**Yes**	
	1,892.3	56770.3126

[1] *Based on calendar year 2027 emission rates.*

[2] *Construction emissions are amortized over a 30 year project lifetime based on the service life of a building. For buildings in general, it is reasonable to look at a 30-year time frame, since this is a typical interval before a new building requires the first major renovation. International Energy Agency (IEA), 2008, March. Energy Efficiency Requirements in Building Codes, Energy Efficiency Policies for New Buildings.*

Full Buildout

Source	Buildout $MTCO_2e$/Year	Percent of Project Total
Mobile[1]	14,894	93%
Area	6	0%
Energy	773	5%
Water	94	1%
Waste	223	1%
Refrig.	19	0%
Amortized Consstruction (30-years)[2]	18	0%
Total All Sectors	***16,027***	***100%***
Net Zero Threshold	0	
Exceed Threshold?	**Yes**	

[1] *Based on calendar year 2027 emission rates.*

[2] *Construction emissions are amortized over a 30 year project lifetime based on the service life of a building. For buildings in general, it is reasonable to look at a 30-year time frame, since this is a typical interval before a new building requires the first major renovation. International Energy Agency (IEA), 2008, March. Energy Efficiency Requirements in Building Codes, Energy Efficiency Policies for New Buildings.*

GHG Emissions Worksheet - With Reduction Measures AQ-2, GHG-1, and GHG-3

Construction Emissions

Year		Emissions ($MTCO_2e$) Phase 1	Phase 2	Offsite Improvement - Left Turn Lane	Offsite Improvement - Traffic Signal	Total
2026		344.2909967	0	14.30074393	4.683223969	363.27
2027		0	170.3985711	0	0	170.40
	Total	**344.29**	**170.40**	**14.30**	**4.68**	**533.67**

Phase		Emissions ($MTCO_2e$)
Phase 1 & Offsite Improvement		363
Phase 2		170
	Total	**534**

Operation Emissions

Phase 1

Source	Buildout $MTCO_2e$/Year	Percent of Project Total
Mobile[1]	13,481	94%
Area[2]	0	0%
Energy[3]	569	4%
Water	75	1%
Waste	194	1%
Refrig.	19	0%
Amortized Consstruction (30-years)[4,5]	12	0%
Total All Sectors	***14,351***	***100%***
Net Zero Threshold	0	
Exceed Threshold?	**Yes**	

[1] *Based on calendar year 2026 emission rates.*

[2] *With incorporation of Reduction Measure GHG-3, which would permit use of electric-powered landscaping equipment for property maintenance.*

[3] *With incorporation of Reduction Measure GHG-1, which requires all-electric building systems and appliances except for uses with commercial kitchens*

[4] *Construction emissions are amortized over a 30 year project lifetime based on the service life of a building. For buildings in general, it is reasonable to look at a 30-year time frame, since this is a typical interval before a new building requires the first major renovation. International Energy Agency (IEA), 2008, March. Energy Efficiency Requirements in Building Codes, Energy Efficiency Policies for New Buildings.*

[5] *Includes construction emissions generated from the proposed left turn lane and traffic signal installations.*

Phase 2

Source	Buildout $MTCO_2e$/Year	Percent of Project Total
Mobile[1]	1,709	91%
Area[2]	0	0%
Energy[3]	108	6%
Water	19	1%
Waste	29	2%
Refrig.	0	0%
Amortized Consstruction (30-years)[4]	6	0%
Total All Sectors	***1,871***	***100%***
Net Zero Threshold	0	
Exceed Threshold?	**Yes**	
	1,870.6	56118.66056

[1] *Based on calendar year 2027 emission rates.*

[2] *With incorporation of Reduction Measure GHG-3, which would permit use of electric-powered landscaping equipment for property maintenance.*

[3] *With incorporation of Reduction Measure GHG-1, which requires all-electric building systems and appliances except for uses with commercial kitchens*

[4] *Construction emissions are amortized over a 30 year project lifetime based on the service life of a building. For buildings in general, it is reasonable to look at a 30-year time frame, since this is a typical interval before a new building requires the first major renovation. International Energy Agency (IEA), 2008, March. Energy Efficiency Requirements in Building Codes, Energy Efficiency Policies for New Buildings.*

Full Buildout

Source	Buildout $MTCO_2e$/Year	Percent of Project Total
Mobile[1]	14,894	94%
Area[2]	0	0%
Energy[3]	677	4%
Water	94	1%
Waste	223	1%
Refrig.	19	0%
Amortized Consstruction (30-years)[4]	18	0%
Total All Sectors	***15,926***	***100%***
Net Zero Threshold	0	
Exceed Threshold?	**Yes**	

[1] *Based on calendar year 2027 emission rates.*

[2] *With incorporation of Reduction Measure GHG-3, which would permit use of electric-powered landscaping equipment for property maintenance.*

[3] *With incorporation of Reduction Measure GHG-1, which requires all-electric building systems and appliances except for uses with commercial kitchens*

[4] *Construction emissions are amortized over a 30 year project lifetime based on the service life of a building. For buildings in general, it is reasonable to look at a 30-year time frame, since this is a typical interval before a new building requires the first major renovation. International Energy Agency (IEA), 2008, March. Energy Efficiency Requirements in Building Codes, Energy Efficiency Policies for New Buildings.*

Phase 1 Regional Construction Emissions Worksheet (Annual) - Unmitigated

Annual Emissions (Tons/Yr)

		ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Project Site											
	2026	1.07659345	0.83392311	1.43840814	0.00225708	0.0250701	0.17915888	0.204228981	0.023204133	0.039184877	0.06238901
Max Annual Emissions		1.0766	0.8339	1.4384	0.0023	0.0251	0.1792	0.2042	0.0232	0.0392	0.0624
Regional Thresholds		**10**	**10**	**100**	**27**			**15**			**15**
Exceed Thresholds?		No	No	No	No	Yes	Yes	No	Yes	Yes	No

Phase One Regional Construction Emissions Worksheet (Average Daily) - Unmitigated

Phase 1 Construction Schedule

Construction Activity	Start Date	End Date	Workdays
Site Preparation	03/16/2026	03/20/2026	5
Rough Grading	03/23/2026	04/03/2026	10
Building Construction	03/30/2026	12/28/2026	196
Utility Trenching	04/06/2026	06/05/2026	45
Fine Grading	06/08/2026	06/26/2026	15
Paving	06/29/2026	07/10/2026	10
Finishing and Landscaping	07/13/2026	10/09/2026	65
Architectural Coating	10/13/2026	12/28/2026	55

Construction Scenario	Start Date	End Date	Workdays
Site Preparation	03/16/2026	03/20/2026	5
Rough Grading	03/23/2026	03/29/2026	5
Rough Grading & Building Construction	03/30/2026	04/03/2026	5
Building Construction	04/04/2026	04/05/2026	0
Building Construction & Utility Trenching	04/06/2026	06/05/2026	45
Building Construction	06/06/2026	06/07/2026	0
Building Construction & Fine Grading	06/08/2026	06/26/2026	15
Building Construction	06/27/2026	06/28/2026	0
Building Construction & Paving	06/29/2026	07/10/2026	10
Building Construction	07/11/2026	07/12/2026	0
Building Construction & Finishing and Landscaping	07/13/2026	10/09/2026	65
Building Construction	10/10/2026	10/12/2026	1
Architectural Coating	10/13/2026	12/28/2026	55
	Total Work Days		**206**

Annual Emissions (Tons/Yr)

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
2023	1.077	0.834	1.438	0.002	0.204	0.062
TOTAL	1.077	0.834	1.438	0.002	0.204	0.062

Ambient Air Quality Analysis (lbs/day)

Annual emissions divided by total construction duration to obtain average daily emissions.

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Total	**10.45**	**8.10**	**13.97**	**0.02**	**1.98**	**0.61**
SJVAPCD Ambient Air Quality Screening Thresholds	**100**	**100**	**100**	**100**	**100**	**100**
Exceed Average Daily Thresholds?	No	No	No	No	No	No

Phase 2 Regional Construction Emissions Worksheet (Annual) - Unmitigated

Annual Emissions (Tons/Yr)

		ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Project Site											
	2027	0.34099244	0.45313128	0.85415728	0.00110931	0.01406337	0.10700077	0.121064136	0.012968389	0.021553771	0.03452216
Max Annual Emissions		0.3410	0.4531	0.8542	0.0011	0.0141	0.1070	0.1211	0.0130	0.0216	0.0345
Regional Thresholds		**10**	**10**	**100**	**27**			**15**			**15**
Exceed Thresholds?		No	No	No	No	Yes	Yes	No	Yes	Yes	No

Phase 2 Regional Construction Emissions Worksheet (Average Daily) - Unmitigated

Phase 2 Construction Schedule

Construction Activity	Start Date	End Date	Workdays
Site Preparation	01/04/2027	01/08/2027	5
Rough Grading	01/11/2027	01/22/2027	10
Building Construction	01/18/2027	07/23/2027	135
Utility Trenching	01/25/2027	02/19/2027	20
Fine Grading	02/22/2027	03/05/2027	10
Paving	03/08/2027	03/12/2027	5
Finishing and Landscaping	03/15/2027	04/30/2027	35
Architectural Coating	6/28/2027	07/23/2027	20

Construction Scenario	Start Date	End Date	Workdays
Site Preparation	01/04/2027	01/08/2027	5
Rough Grading	01/11/2027	01/17/2027	5
Rough Grading & Building Construction	01/18/2027	01/22/2027	5
Building Construction	01/23/2027	01/24/2027	0
Building Construction & Utility Trenching	01/25/2027	02/19/2027	20
Building Construction	02/20/2027	02/21/2027	0
Building Construction & Fine Grading	02/22/2027	03/05/2027	10
Building Construction	03/06/2027	03/07/2027	0
Building Construction & Paving	03/08/2027	03/12/2027	5
Building Construction	03/13/2027	03/14/2027	0
Building Construction & Finishing and Landscaping	03/15/2027	04/30/2027	35
Building Construction	05/01/2027	06/27/2027	40
Building Construction & Architectural Coating	6/28/2027	07/23/2027	20
		Total Work Days	**145**

Annual Emissions (Tons/Yr)

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
2027	0.341	0.453	0.854	0.001	0.121	0.035
TOTAL	0.341	0.453	0.854	0.001	0.121	0.035

Ambient Air Quality Analysis (lbs/day)

Annual emissions divided by total construction duration to obtain average daily emissions.

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Total	**4.7033**	**6.2501**	**11.7815**	**0.0153**	**1.6699**	**0.4762**
SJVAPCD Ambient Air Quality Screening Thresholds	**100**	**100**	**100**	**100**	**100**	**100**
Exceed Average Daily Thresholds?	No	No	No	No	No	No

Offsite Improvement (Left Turn Lane) Regional Construction Emissions Worksheet (Annual) - Unmitigated

Annual Emissions (Tons/Yr)

		ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Project Site											
	2026	0.00604402	0.04564274	0.0547713	0.00011966	0.00185327	0.00884903	0.010702299	0.00171367	0.001618331	0.003332002
Max Annual Emissions		0.0060	0.0456	0.0548	0.0001	0.0019	0.0088	0.0107	0.0017	0.0016	0.0033
Regional Thresholds		**10**	**10**	**100**	**27**			**15**			**15**
Exceed Thresholds?		No	No	No	No	Yes	Yes	No	Yes	Yes	No

Offsite Improvement (Left Turn Lane) Regional Construction Emissions Worksheet (Average Daily) - Unmitigated

Left Turn Lane Construction Schedule

Construction Activity	Start Date	End Date	Workdays
Demolition	06/08/2026	06/12/2026	5
Site Preparation	06/15/2026	06/19/2026	5
Rough Grading	06/22/2026	07/03/2026	10
Fine Grading	08/03/2026	08/07/2026	5
Paving	08/10/2026	08/14/2026	5
Architectural Coating	08/17/2026	08/17/2026	1
		Total Work Days	**31**

Annual Emissions (Tons/Yr)

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
2024	0.006	0.046	0.055	0.000	0.011	0.003
TOTAL	0.006	0.046	0.055	0.000	0.011	0.003

Ambient Air Quality Analysis (lbs/day)

Annual emissions divided by total construction duration to obtain average daily emissions.

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Total	**0.3899**	**2.9447**	**3.5336**	**0.0077**	**0.6905**	**0.2150**
SJVAPCD Ambient Air Quality Screening Thresholds	**100**	**100**	**100**	**100**	**100**	**100**
Exceed Average Daily Thresholds?	No	No	No	No	No	No

Offsite Improvement (Traffic Signal) Regional Construction Emissions Worksheet (Annual) - Unmitigated

Annual Emissions (Tons/Yr)

		ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Project Site											
	2026	0.00133548	0.00871155	0.01754739	2.6538E-05	0.00026435	0.00228528	0.002549631	0.000244696	0.000550156	0.000794852
Max Annual Emissions		0.0013	0.0087	0.0175	0.0000	0.0003	0.0023	0.0025	0.0002	0.0006	0.0008
Regional Thresholds		**10**	**10**	**100**	**27**			**15**			**15**
Exceed Thresholds?		No	No	No	No	Yes	Yes	No	Yes	Yes	No

Offsite Improvement (Traffic Signal) Regional Construction Emissions Worksheet (Average Daily) - Unmitigated

Traffic Signal Construction Schedule

Construction Activity	Start Date	End Date	Workdays
Utility Trenching	07/06/2026	07/31/2026	20
Traffic Signal Installation	08/17/2026	09/11/2026	20
		Total Work Days	**40**

Annual Emissions (Tons/Yr)

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
2026	0.001	0.009	0.018	0.000	0.003	0.001
TOTAL	0.001	0.009	0.018	0.000	0.003	0.001

Ambient Air Quality Analysis (lbs/day)

Annual emissions divided by total construction duration to obtain average daily emissions.

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Total	**0.0668**	**0.4356**	**0.8774**	**0.0013**	**0.1275**	**0.0397**
SJVAPCD Ambient Air Quality Screening Thresholds	**100**	**100**	**100**	**100**	**100**	**100**
Exceed Average Daily Thresholds?	No	No	No	No	No	No

Full Buildout Regional Construction Emissions Worksheet (Annual) - Unmitigated

Annual Emissions (Tons/Yr)

		ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	PM2.5 Total
Phase 1									
Project Site									
	2026	1.076593450	0.833923110	1.438408140	0.002257080	0.025070100	0.179158880	0.200	0.062389010
Offsite Improvement (Left Turn Lane)									
Project Site									
	2026	0.00604402	0.04564274	0.0547713	0.00011966	0.00185327	0.00884903	0.010702299	0.003332002
Offsite Improvement (Traffic Signal)									
Project Site									
	2026	0.00133548	0.00871155	0.01754739	2.6538E-05	0.00026435	0.00228528	0.002549631	0.000794852
Phase 2									
Project Site									
	2027	0.34099244	0.45313128	0.85415728	0.00110931	0.01406337	0.10700077	0.121064136	0.03452216

Combined Annual Emissions (Tons/Yr)

		ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	PM2.5 Total
	2026	1.0840	0.8883	1.5107	0.0024	0.0272	0.1903	0.2175	0.0665
	2027	0.3470	0.4988	0.9089	0.0012	0.0159	0.1158	0.1318	0.0379
Max Annual Emissions		1.08	0.89	1.51	0.00	0.03	0.19	0.22	0.07
			1.387	2.420	0.004	0.043	0.306	0.349	
Regional Thresholds		**10**	**10**	**100**	**27**			**15**	**15**
Exceed Thresholds?		No	No	No	No	Yes	Yes	No	No

Maximum Annual Emissions (lbs/yr)

		ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	PM2.5 Total
	2026	2167.95	1776.55	3021.45	4.81	54.38	380.59	434.96	133.03
	2027	694.07	997.55	1817.86	2.46	31.83	231.70	263.53	75.71
Max Annual Emissions		2167.95	1776.55	3021.45	4.81	54.38	380.59	434.96	133.03

Full Buildout Regional Construction Emissions Worksheet (Average Daily) - Unmitigated

Number of Construction Days	
2026	206
2027	145
Total Work Days	**351**

Annual Emissions (Tons/Yr)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
2026	1.0840	0.8883	1.5107	0.0024	0.0272	0.1903	0.2175	0.0252	0.0414	0.0665
2027	0.3470	0.4988	0.9089	0.0012	0.0159	0.1158	0.1318	0.0147	0.0232	0.0379
TOTAL	1.43	1.39	2.42	0.00	0.04	0.31	0.35	0.04	0.06	0.10

Max Annual Emissions (Pounds/Yr) - Risk Prioritization Calculator Screening

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
2026	2167.9459	1776.5548	3021.4536	4.8066	54.3754	380.5864	434.9618	50.3250	82.7067	133.0317
2027	694.0729	997.5480	1817.8572	2.4579	31.8333	231.6996	263.5329	29.3641	46.3442	75.7083
Max Annual Emissions (Pounds/Yr)	**2167.95**	**1776.55**	**3021.45**	**4.81**	**54.38**	**380.59**	**434.96**	**50.32**	**82.71**	**133.03**

Ambient Air Quality Analysis (lbs/day)

Annual emissions divided by total construction duration to obtain average daily emissions.

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Total	**8.1539**	**7.9034**	**13.7872**	**0.0207**	**0.2456**	**1.7444**	**1.9900**	**0.2270**	**0.3677**	**0.5947**
SJVAPCD Ambient Air Quality Screening Thresholds	**100**	**100**	**100**	**100**	**BMPs**	**82**	**100**	**BMPs**	**54**	**100**
Exceed Average Daily Thresholds?	No	No	No	No	No	No	No	No	No	No

CalEEMod Land Use Inputs: Operation

Name: Rosedale & Coffee
Project Location: Kern County
Land Use Setting: Urban
Builout Operational Year: 2027

General Info

	Phase 1	Phase 2	Total	
Project Site Area (Sq Ft):	**1,609,641**	**401,089**	**2,010,730**	**square feet**
Disturbed Area (Sq Ft):	**36.95**	**9.21**	**46.16**	

New Building Info (please mark building square footage to assume)

Building	Parcel	Phase 1	Phase 2	Total	Parcel Acreage	Number of Fuel Pumps
		Building Square Feet (BSF)				
Pad 1 Drive-Thru Restaurant	PARCEL 02	2,500		2,500	1.17	
Pad 1 Fast Casual Restaurant		5,548		5,548		
Pad 1 Electrical/Fire Riser		176		176		
Pad 2 Car Wash	PARCEL 03	4,100		4,100	1.79	
Pad 3 Drive-Thru Restaurant	PARCEL 07	510		510	1.29	
Pad 3 Electrical/Fire Riser		250		250		
Pad 4 Drive-Thru Restaurant	PARCEL 09	4,277		4,277	1.29	
Pad 5 Drive-Thru Restaurant	PARCEL 10	2,296		2,296	0.96	
Pad 5 Fast Casual Restaurant		4,226		4,226		
Pad 5 Electrical/Fire Riser		176		176		
Pad 6 Drive-Thru Restaurant	PARCEL 11	2,444		2,444	0.83	
Pad 6 Electrical/Fire Riser		134		134		
Pad 7 Retail	PARCEL 12	4,560		4,560	0.58	
Pad 7 Electrical/Fire Riser		134		134		
Pad 8 Retail	PARCEL 13	4,560		4,560	0.75	
Pad 8 Electrical/Fire Riser		134		134		
Pad 9 Restaurant	PARCEL 14	7,822		7,822	1.87	
Pad 9 Electrical/Fire Riser		145		145		
Pad 10 Suite A Retail	PARCEL 17	3,028		3,028	1.21	
Pad 10 Suite B Restaurant		1,844		1,844		
Pad 10 Suite C Retail		1,520		1,520		
Pad 10 Suite D Restaurant		1,794		1,794		
Pad 10 Drive-Thru Restaurant		1,720		1,720		
Pad 10 Electrical/Fire Riser		204		204		
Pad 11 Drive-Thru Restaurant	PARCEL 19	2,740		2,740	1.19	
Pad 11 Retail		2,659		2,659		
Pad 11 Retail		2,646		2,646		
Pad 11 Retail		3,498		3,498		
Pad 11 Electrical/Fire Riser		176		176		
Pad 12 Medical Office	PARCEL 22	8,996		8,996	1.24	
Pad 12 Electrical/Fire Riser		133		133		
Pad 13 Restaurant	PARCEL 25		6,399	6,399	1.73	
Pad 13 Electrical/Fire Riser			134	134		
Pad 14 Restaurant	PARCEL 30		2,400	2,400	1.16	
Pad 14 Retail			4,601	4,601		
Pad 14 Electrical/Fire Riser			134	134		
Shops 1 Suite A Retail	PARCEL 15	2,482		2,482	0.21	
Shops 1 Suite B Retail		2,497		2,497		
Shops 2 Suite A Retail	PARCEL 18	3,042		3,042	1.18	
Shops 2 Suite B Retail		2,023		2,023		
Shops 2 Suite C Retail		2,081		2,081		
Shops 2 Suite D Fast Casual Restaurant		1,762		1,762		
Shops 2 Suite E Retail		1,950		1,950		
Major A Health Club	PARCEL 08	24,993		24,993	2.60	
Major B Market	PARCEL 16	34,999		34,999	3.78	
Major C Retail	PARCEL 20	21,927		21,927	1.34	
Major D Retail	PARCEL 21	22,927		22,927	1.21	
Major E Retail	PARCEL 23	27,863		27,863	1.59	
Major F Retail	PARCEL 24	25,329		25,329	1.10	
Major G Retail	PARCEL 26	26,326		26,326	1.21	
Major H Retail	PARCEL 27		23,927	23,927	1.33	
Major I Retail	PARCEL 28		27,921	27,921	1.81	
Major J Retail	PARCEL 29		24,436	24,436	1.88	
Storage Building	PARCEL 01	40,000		40,000	1.68	
Gas Station - Controller Office	PARCEL 04	308		308	2.27	
Gas Station - Controller Storage		120		120		
Gas Station Canopy		n/a		n/a		40
No Buildings	PARCEL 05	n/a		n/a	2.37	
No Buildings	PARCEL 06	n/a		n/a	3.54	
	TOTAL	**315,579**	**89,952**	**405,531**	**46.16**	**40**

New Pavement and Hardscape

	Phase 1	Phase 2	Total	
Total Number of Surface Parking Stalls:	1,755	371	**2,126**	spaces
Total Surface Parking Area (9'x18' per stall):	880,017	215,557	**1,095,574**	square feet
Total Non-Parking Asphalt Surface Area:	281,691	108,717	**390,408**	square feet
Total Hardscape	266,103	25,729	**291,832**	square feet
Retention Basin	61,380	0	**61,380**	square feet
Total Prior Landscaping Numbers:[1]	520,808	81,183	**601,991**	square feet
Percent Landscaping Per Phase:[1]	87%	13%	**100%**	
Adjusted Landscaping:[1]	328,275	51,171	**379,446**	square feet

[1] *Prior site plan design landscaping numbers used to determine proportion between Phase 1 and Phase 2 landscaping to determine the Phase 1 and Phase 2 landscaped area based on the actual landscaping area of 379,446 square feet.*

CalEEMod Land Use Inputs

Land Use	Land Use Amount	Metric	Acres	Landscaping (SF)
Phase 1				
Regional Shopping Center (Retail, Casual Restaurant, Market, & Health Club)	245,051	BSF	5.6256	328,275
Medical Office	9,129	BSF	0.2096	
Fast Food Restaurant w/Drive Thru	16,871	BSF	0.3873	
Self Storage	40,000	BSF	0.9183	
Automated Carwash	4,100	BSF	0.0941	
Convenience Market/Gas Station	428	BSF	0.0098	
Surface Parking Lot	1,755	parking spaces	20.2024	
Other Asphalt Surfaces	281,691	square feet	6.4667	
Other Non-Asphalt Surfaces	3.036	acre	3.0362	
			36.9500	
Phase 2				
Regional Shopping Center (Retail & Restaurant)	89,952	BSF	1.7657	51,171
Surface Parking Lot	371	parking spaces	4.9485	
Other Asphalt Surfaces	108,717	square feet	2.4958	
Other Non-Asphalt Surfaces	0	square feet	0	
			9.2100	

Phase 1 CalEEMod Inputs

Type	Land Use Type	Land Use Unit Amount	Land Use Size Metric	Lot Acreage	Land Use Square Feet	Landscaping (SF)
Retail, Restaurant, Market, & Health Club	Regional Shopping Center	245.051	1000bsf	5.63	245,051	328,275
Medical Office	Medical Office	9.129	1000bsf	0.21	9,129	
Gas Station	Convenience Mart/Gas Station	40	pumps	0.01	428	
Restaurant w/Drive-Thru	Fast Food Restaurant w/Drive Thru	16.871	1000bsf	0.39	16,871	
Automated Carwash	Auto Repair	4.100	1000bsf	0.09	4,100	
Storage	Unrefrigerated Warehouse No Rail	40.000	1000bsf	0.92	40,000	
Parking	Parking Lot	1,755	stalls	20.20		
Parking	Other Asphalt Surfaces	281.691	1000bsf	6.47		
Parking	Other Non-Asphalt	3.036	Acre	3.04		
				36.95	315,579	

Phase 2 CalEEMod Inputs

Type	Land Use Type	Land Use Unit Amount	Land Use Size Metric	Lot Acreage	Land Use Square Feet	Landscaping (SF)
Retail, Restaurant, Market, & Health Club	Regional Shopping Center	89.952	1000bsf	1.77	89,952	51,171
Parking	Parking Lot	371	stalls	4.95		
Parking	Other Asphalt Surfaces	108.717	1000bsf	2.50		
Parking	Other Non-Asphalt	0.000	Acre	0.00		
				9.21	89,952	

Full Buildout CalEEMod Inputs

Type	Land Use Type	Land Use Unit Amount	Land Use Size Metric	Lot Acreage	Land Use Square Feet	Landscaping (SF)
Retail, Restaurant, Market, & Health Club	Regional Shopping Center	335.003	1000bsf	7.39	335,003	379,446
Medical Office	Medical Office	9.129	1000bsf	0.21	9,129	
Gas Station	Convenience Mart/Gas Station	40	pumps	0.01	428	
Restaurant w/Drive-Thru	Fast Food Restaurant w/Drive Thru	16.871	1000bsf	0.39	16,871	
Automated Carwash	Auto Repair	4.100	1000bsf	0.09	4,100	
Storage	Unrefrigerated Warehouse No Rail	40.000	1000bsf	0.92	40,000	
Parking	Parking Lot	2,126	stalls	25.15		
Parking	Other Asphalt Surfaces	390.408	1000bsf	8.96		
Parking	Other Non-Asphalt	3.0361570248	Acre	3.04		
				46.16	405,531	

Trip Generation and VMT[1]

[1] *Based on information provided by Integrated Engineering Group.*

	Weekday		
	Phase 1	**Phase 2**	**Total**
Shopping Center Daily Trips	*8,894*	*3,268*	*12,162*
Internal Capture (n/a)	0	0	*0*
Net Daily Trips	***8,894***	***3,268***	***12,162***
Pass-By Trips	2,579	948	*3,527*
Medical Office Daily Trips	*295*	*n/a*	*295*
Internal Capture (32% daily)	*94*	*n/a*	94
Net Daily Trips	***201***	***n/a***	***201***
Convenience Store w/Gas Station Daily Trips	10,196	*n/a*	10,196
Internal Capture (9% daily)	*918*	*n/a*	*918*
Net Daily Trips	***9,278***	***n/a***	***9,278***
Pass-By Trips	7,316	0	*7,316*
Fast Food Restaurant w/Drive-Thru Daily Trips	7,566	*n/a*	*7,566*
Internal Capture (35% daily)	2,648	*n/a*	*2,648*
Net Daily Trips	***4,918***	***n/a***	***4,918***
Pass-By Trips (55% Daily)	2,705	0	*2,705*
Automated Carwash Daily Trips	*1,447*	*n/a*	*1,447*
Internal Capture (71% daily)	*1,025*	*n/a*	*1,025*
Net Daily Trips	***422***	***n/a***	***422***
Pass-By Trips (70% Daily)	295	0	*295*
Self Storage Carwash Daily Trips	*52*	*n/a*	*52*
Internal Capture (9% daily)	*5*	*n/a*	*5*
Net Daily Trips	***47***	***n/a***	***47***
Total Net Daily Trips	**23,760**	**3,268**	**27,028**

	Saturday		
	Phase 1	**Phase 2**	**Total**
Shopping Center Daily Trips	*9,735*	*3,577*	*13,312*
Internal Capture 9% daily)	876	322	*1,198*
Net Daily Trips	***8,859***	***3,255***	***12,114***
Medical Office Daily Trips	*48*	*n/a*	*48*
Internal Capture (54% daily)	*26*	*n/a*	*26*
Net Daily Trips	***22***	***n/a***	***22***
Convenience Store w/Gas Station Daily Trips	10,150	*n/a*	*10,150*
Internal Capture (9% daily)	*914*	*n/a*	*914*
Net Daily Trips	***9,237***	***n/a***	***9,237***
Fast Food Restaurant w/Drive-Thru Daily Trips	8,818	*n/a*	*8,818*
Internal Capture (25% daily)	2,205	*n/a*	*2,205*
Net Daily Trips	***6,614***	***n/a***	***6,614***
Automated Carwash Daily Trips	*486*	*n/a*	*486*
Internal Capture (9% daily)	*44*	*n/a*	*44*
Net Daily Trips	***442***	***n/a***	***442***
Self Storage Carwash Daily Trips	*56*	*n/a*	*56*
Internal Capture (9% daily)	*5*	*n/a*	*5*
Net Daily Trips	***51***	***n/a***	***51***
Total Net Daily Trips	**25,224**	**3,255**	**28,479**

	Sunday		
	Phase 1	**Phase 2**	**Total**
Shopping Center Daily Trips	*4,026*	*1,479*	*5,505*
Internal Capture (9% daily)	362	133	*495*
Net Daily Trips	***3,664***	***1,346***	***5,010***
Medical Office Daily Trips	*4*	*n/a*	*4*
Internal Capture (25% daily)	*1*	*n/a*	*1*
Net Daily Trips	***3***	***n/a***	***3***
Convenience Store w/Gas Station Daily Trips	10,150	*n/a*	*10,150*
Internal Capture (9% daily)	*914*	*n/a*	*914*
Net Daily Trips	***9,237***	***n/a***	***9,237***
Fast Food Restaurant w/Drive-Thru Daily Trips	5,667	*n/a*	*5,667*
Internal Capture (26% daily)	1,473	*n/a*	*1,473*
Net Daily Trips	***4,194***	***n/a***	***4,194***
Automated Carwash Daily Trips	*486*	*n/a*	*486*
Internal Capture (9% daily)	*44*	*n/a*	*44*
Net Daily Trips	***442***	***n/a***	***442***
Self Storage Carwash Daily Trips	*40*	*n/a*	*40*
Internal Capture (9% daily)	*4*	*n/a*	*4*
Net Daily Trips	***36***	***n/a***	***36***
Total Net Daily Trips	**17,575**	**1,346**	**18,921**

Phase 1

Land Use	**Adjusted Weekday Daily Trip Generation Rate (trip per 1000BSF)**	**Adjusted Saturday Daily Trip Generation Rate (trip per 1000BSF)**	**Adjusted Sunday Daily Trip Generation Rate (trip per 1000BSF)**
Regional Shopping Center	36.29448563768	36.15104610877	14.95060211956
Medical Office	21.97392923650	2.41866579034	0.29970423924
Convenience Mart/Gas Station	231.95900000000	230.91250000000	230.91250000000
Fast Food Restaurant w/Drive Thru	291.50020745658	392.00403058503	248.56736411594
Auto Repair	102.92682926829	107.86829268293	107.86829268293
Self Storage	1.18300000000	1.27400000000	0.91000000000

Phase 2

Land Use	Adjusted Weekday Daily Trip Generation Rate (trip per 1000BSF)	Adjusted Saturday Daily Trip Generation Rate (trip per 1000BSF)	Adjusted Sunday Daily Trip Generation Rate (trip per 1000BSF)
Regional Shopping Center	36.33048737104	36.18674404127	14.96231323372

Full Buildout

Land Use	Adjusted Weekday Daily Trip Generation Rate (trip per 1000BSF)	Adjusted Saturday Daily Trip Generation Rate (trip per 1000BSF)	Adjusted Sunday Daily Trip Generation Rate (trip per 1000BSF)
Regional Shopping Center	36.30415250013	36.16063139733	14.95374668287
Medical Office	21.97392923650	2.41866579034	0.29970423924
Convenience Mart/Gas Station	231.95900000000	230.91250000000	230.91250000000
Fast Food Restaurant w/Drive Thru	291.50020745658	392.00403058503	248.56736411594
Auto Repair	102.92682926829	107.86829268293	107.86829268293
Self Storage	1.18300000000	1.27400000000	0.91000000000

Weekday Trip Sub-Type

Land Use	Default Primary[1]	Default Diverted[1]	Total Primary and Diverted Percentages	Default Pass-By[1]	Total Trip Subtype Percentages	Adjusted Primary[2]	Adjusted Diverted	Provided Pass-by
Regional Shopping Center	38%	28%	66%	34%	100%	100%	0%	0%
Medical Office	100%	0%	100%	0%	100%	100%	0%	0%
Convenience Mart/Gas Station	14%	21%	35%	65%	100%	100%	0%	0%
Fast Food Restaurant w/Drive Thru	27%	24%	51%	50%	100%	100%	0%	0%
Auto Repair	53%	11%	64%	36%	100%	100%	0%	0%
Self Storage						100%	0%	0%

Weekend Trip Sub-Type

Land Use	Default Primary[1]	Default Diverted[1]	Default Pass-By[1]	Total
Regional Shopping Center	43%	31%	26%	100%
Medical Office	100%	0%	0%	100%
Convenience Mart/Gas Station	100%	0%	0%	100%
Fast Food Restaurant w/Drive Thru	100%	0%	0%	100%
Auto Repair	100%	0%	0%	100%
Self Storage				

[1] *CalEEMod v2022.*

[2] *Changed to 100 percent as project vehicle miles traveled data is provided.*

VMT

	Weekday	Saturday	Sunday	Total
Phase 1 Average Daily Trips	23,760	25,224	17,575	n/a
Phase 1 Annual Trips	6,194,595	1,315,270	916,426	8,426,291
Phase 2 Average Daily Trips	3,268	3,255	1,346	n/a
Phase 2 Annual Trips	852,011	169,730	70,179	1,091,920
Full Buildout Average Daily Trips	27,028	28,479	18,921	n/a
Full Buildout Annual Trips[1]	7,046,606	1,485,001	986,605	9,518,211

	Passenger Auto	Small Truck	Medium Truck	Heavy Truck	Total
Full Buildout Daily VMT[1]	91,365	7,231	3,290	751	102,637
Percent Total VMT	89.02%	7.05%	3.21%	0.73%	100%

Full Buildout Total Daily VMT:	102,637	miles per day
Full Buildout Total Annual VMT (365 days/yr):	37,462,505	miles per year
Full Buildout Total Annual Vehicle Trips:	9,518,211	trips per year
Average Trip Distance (mi/trip):	**3.9358766079**	miles per trip

				Annual VMT				Daily VMT			
Scenario	Annual Vehicle Trips	Trip Distance	Total Annual VMT	Passenger Auto	Small Truck	Medium Truck	Heavy Truck	Passenger Auto	Small Truck	Medium Truck	Heavy Truck
Phase 1	8,426,291	3.94	33,164,841	29,522,548	2,336,535	1,063,090	242,669	80,884	6,401	2,913	665
Phase 2	1,091,920	3.94	4,297,664	3,825,677	302,780	137,760	31,446	10,481	830	377	86
Full Buildout	9,518,211	3.94	37,462,505	33,348,225	2,639,315	1,200,850	274,115	91,365	7,231	3,290	751

CalEEMod Daily to Annual Trips Conversion[2]	
Weekday (days per year):	260.7133
Saturday (days per year):	52.1433
Sunday (days per year):	52.1433

[1] *Provided by Integrated Engineering Group.*

[2] *CalEEMod V2022.1 methodology.*

Architectural Coating

Phase 1

Land Use	Land Use Amount (BSF)	CalEEMod Paintable Surface Area Multiplier*	Total Paintable Surface Area (BSF)	Total Paintable Interior Surface Area (BSF)*	Total Paintable Exterior Surface Area (BSF)*
Retail, Restaurant, Market, & Health Club	245,051	2.0	490,102	367,577	122,526
Medical Office	9,129	2.0	18,258	13,694	4,565
Gas Station	428	2.0	856	642	214
Restaurant w/Drive-Thru	16,871	2.0	33,742	25,307	8,436
Automated Carwash	4,100	2.0	8,200	6,150	2,050
Storage	40,000	2.0	80,000	60,000	20,000
			Non-Residential Sub-Total	***473,369***	***157,790***
Surface Parking Lot	880,017	0.06	52,801	n/a	52,801
Other Asphalt Surfaces	281,691	0.06	16,901	n/a	16,901
Other Non-Asphalt	132,255	0.06	7,935	n/a	7,935
			Residential Sub-Total	***0***	***77,638***

**Based on CalEEMod methodology in calculating the paintable surface areas for a nonresidential building and parking lot.*

Phase 2

Land Use	Land Use Amount (BSF)	CalEEMod Paintable Surface Area Multiplier*	Total Paintable Surface Area (BSF)	Total Paintable Interior Surface Area (BSF)*	Total Paintable Exterior Surface Area (BSF)*
Retail, Restaurant, Market, & Health Club	89,952	2.0	179,904	134,928	44,976
			Non-Residential Sub-Total	***134,928***	***44,976***
Surface Parking Lot	215,557	0.06	12,933	n/a	12,933
Other Asphalt Surfaces	108,717	0.06	6,523	n/a	6,523
Other Non-Asphalt	0	0.06	0	n/a	0
			Residential Sub-Total	***0***	***19,456***

**Based on CalEEMod methodology in calculating the paintable surface areas for a nonresidential building and parking lot.*

Full Buildout

Land Use	Land Use Amount (BSF)	CalEEMod Paintable Surface Area Multiplier*	Total Paintable Surface Area (BSF)	Total Paintable Interior Surface Area (BSF)*	Total Paintable Exterior Surface Area (BSF)*
Retail, Restaurant, Market, & Health Club	335,003	2.0	670,006	502,505	167,502
Medical Office	9,129	2.0	18,258	13,694	4,565
Gas Station	428	2.0	856	642	214
Restaurant w/Drive-Thru	16,871	2.0	33,742	25,307	8,436
Automated Carwash	4,100	2.0	8,200	6,150	2,050
Storage	40,000	2.0	80,000	60,000	20,000
			Non-Residential Sub-Total	***608,297***	***202,766***
Surface Parking Lot	1,095,574	0.06	65,734	n/a	65,734
Other Asphalt Surfaces	390,408	0.06	23,424	n/a	23,424
Other Non-Asphalt	132,255	0.06	7,935	n/a	7,935
	3.036157025		***Residential Sub-Total***	***0***	***97,094***

**Based on CalEEMod methodology in calculating the paintable surface areas for a nonresidential building and parking lot.*

Energy (Land Uses)

			Phase 1 Building Square Feet	Phase 2 Building Square Feet	Full Buildout Building Square Feet
Phase 1 Solar Generation Per Year:[1]	935,329	kWh/yr	315,579	89,952	405,531
Phase 2 Solar Generation Per Year:[1]	266,604	kWh/yr	78%	22%	100%
Full Buildout Solar Generation Per Year:[2]	1,201,933	kWh/yr			
Percentage of overall electricity by solar:	50%				

[1] *Based on prorportion between Phase 1 and Phase 2 building square footage applied to the total projected 1,201,933 kWh/yr of renewable electricity generated from onsite PV systems under full buildout conditions.*

[2] *Provided by Applicant*

Phase 1

Land Use	Electricity (kWh/yr)[1]	Tite 24 Standards - Electricity (kWh/yr)[2]	Non-Title 24 Standards - Electricity (kWh/yr)	Total Natural Gas (kBTU/yr)[1]	Tite 24 Standards - Natural Gas (kBTU/yr)	Non-Title 24 Standards - Natural Gas (kBTU/yr)
Regional Shopping Center	1,652,430	1,063,404.82	589,024.79	2,399,623	2,372,541.15	27,081.99
Medical Office	214,042	148,178.95	65,863.05	364,604	319,670.83	44,933.11
Convenience Market/Gas Station	25,106	11,606.93	13,499.06	14,278	9,713.10	4,564.75
Fast Food Restaurant w/Drive Thru	753,849	310,787.41	443,061.51	2,109,444	466,435.54	1,643,008.13
Automated Carwash	48,643	24,182.69	24,460.26	167,987	67,641.39	100,345.12
Storage	429,593	158,782.09	270,810.52	213,366	179,609.18	33,756.85
Surface Parking Lot	770,803	770,802.91		0		
Total	**3,894,465**			**5,269,301**		

[1] *CalEEMod v2022 defaults.*

[2] *The 1,201,933 kWh/yr of renewable electricity generated from onsite PV systems is subtracted from the default Title 24 electricity demand for the Regional Shopping Center land use.*

Phase 2

Land Use		Electricity (kWh/yr)[1]	Tite 24 Standards - Electricity (kWh/yr)[2]	Non-Title 24 Standards - Electricity (kWh/yr)	Total Natural Gas (kBTU/yr)[1]	Tite 24 Standards - Natural Gas (kBTU/yr)	Non-Title 24 Standards - Natural Gas (kBTU/yr)
Regional Shopping Center		683,296	467,080.13	216,216.05	880,841	870,899.61	9,941.11
Surface Parking Lot		188,885	188,884.87	0.00	0	0	0
	Total	**872,181**			**880,841**		

[1] *CalEEMod v2022 defaults.*

[2] *The 1,201,933 kWh/yr of renewable electricity generated from onsite PV systems is subtracted from the default Title 24 electricity demand for the Regional Shopping Center land use.*

Full Buildout

Land Use		Total Electricity (kWh/yr)[1]	Tite 24 Standards - Electricity (kWh/yr)[2]	Non-Title 24 Standards - Electricity (kWh/yr)	Total Natural Gas (kBTU/yr)[1]	Tite 24 Standards - Natural Gas (kBTU/yr)	Non-Title 24 Standards - Natural Gas (kBTU/yr)
Regional Shopping Center		2,335,726	1,530,484.95	805,241	3,280,464	3,243,440.76	37,023.10
Medical Office		214,042	148,178.95	65,863.05	364,604	319,670.83	44,933.11
Convenience Mart/Gas Station		25,106	11,606.93	13,499.06	14,278	9,713.10	4,564.75
Fast Food Restaurant w/Drive Thru		753,849	310,787.41	443,061.51	2,109,444	466,435.54	1,643,008.13
Auto Repair		48,643	24,182.69	24,460.26	167,987	67,641.39	100,345.12
Unrefrigerated Warehouse No Rail		429,593	158,782.09	270,810.52	213,366	179,609.18	33,756.85
Parking Lot		959,688	959,687.78	0.00	0	0	0
	Total	**4,766,646**			**6,150,142**		
		5,968,579					

[1] *CalEEMod v2022 defaults.*

[2] *The 1,201,933 kWh/yr of renewable electricity generated from onsite PV systems is subtracted from the default Title 24 electricity demand for the Regional Shopping Center land use.*

Water Use

Total Daily Water Demand:[1] 148,925 gallons per day

Total Annual Water Demand:[2] 54,357,625 gallons per year (365 days/yr)

Development Phase		Total Acreage	Proportion of Acreage (%)	Daily Outdoor Water (gpd)[1]	Total Annual Outdoor Water Generation (gpy)[2]
Phase 1		37	80%	119,211	43,512,007
Phase 2		9	20%	29,714	10,845,618
	Total	46	100%	**148,925**	**54,357,625**

[1] *Total daily outdoor water based on PlaceWorks. 2026, March. Water Supply and Demand Analysis Coffee and Rosedale Commercial Retail Development Project.*

[2] *Based on 365 days per year.*

Phase 1 CalEEMod Inputs

Land Use		Indoor (gpy)[1]	Outdoor (gpy)[1]	Total Water Demand (gpy)[1]		
Retail, Restaurant, Market, & Health Club		43,512,007	0	43,512,007	43512007.01	
Medical Office		0	0	0		
Gas Station		0	0	0		
Restaurant w/Drive-Thru		0	0	0		
Automated Carwash		0	0	0		
Storage		0	0	0		
	Total	**43,512,007**	**0**	**43,512,007**		

Phase 2 CalEEMod Inputs

Land Use		Indoor (gpy)[1]	Outdoor (gpy)[1]	Total Water Demand (gpy)[1]		
Retail, Restaurant, Market, & Health Club		10,845,618	0.000	10,845,618	10,845,617.99	10,845,618
	Total	**10,845,618**	**0**	**10,845,618**		

Full Buildout CalEEMod Inputs

Land Use		Indoor (gpy)[1]	Outdoor (gpy)[1]	Total Water Demand (gpy)[1]
Retail, Restaurant, Market, & Health Club		54,357,625	0	54,357,625
Medical Office		0	0	0
Gas Station		0	0	0
Restaurant w/Drive-Thru		0	0	0
Automated Carwash		0	0	0
Storage		0	0	0
	Total	**54,357,625**	**0**	**54,357,625**
		148,925	0	148,925

[1] *For purposes of this analysis, total water demand is modeled as indoor water and all indoor water demand is assigned to the regional shopping center land use.*

Solid Waste[1]

[1] *CalEEMod v2022 defaults.*

Phase 1

Land Use		Annual Solid Waste Generated (tpy)
Regional Shopping Center		257.30
Medical Office		98.59
Convenience Mart/Gas Station		16.95
Fast Food Restaurant w/Drive Thru		194.34
Automated Carwash		15.66
Storage		37.60
	Total	**620.44**

Phase 2

Land Use		Annual Solid Waste Generated (tpy)
Regional Shopping Center		94.45
	Total	**94.45**

[1] *CalEEMod v2022 defaults.*

Full Buildout

Land Use		Annual Solid Waste Generated (tpy)
Regional Shopping Center		351.75
Medical Office		98.59
Convenience Mart/Gas Station		16.95
Fast Food Restaurant w/Drive Thru		194.34
Automated Carwash		15.66
Self-Storage		37.60
	Total	**714.89**

Reduction Measure GHG-1 All-Electric Energy Demand Worksheet: Riverview Marketplace

			Phase 1 Building Square Feet	Phase 2 Building Square Feet	Full Buildout Building Square Feet
Phase 1 Solar Generation Per Year:[1]	935,329	kWh/yr	315,579	89,952	405,531
Phase 2 Solar Generation Per Year:[1]	266,604	kWh/yr	78%	22%	100%
Full Buildout Solar Generation Per Year:[2]	1,201,933	kWh/yr			
Percentage of overall electricity by solar:	50%				

[1] *Based on prorportion between Phase 1 and Phase 2 building square footage applied to the total projected 1,201,933 kWh/yr of renewable electricity generated from onsite PV systems under full buildout conditions.*

[2] *Provided by Applicant*

Table 1: Default CalEEMod Energy Use

Land Use Subtype	Total Annual Electricity Consumption (kWh/year)	Total Annual Natural Gas Consumption (kBTU/year)	Title-24 Electricity Energy Intensity (kWhr/year)	Title-24 Natural Gas Energy Intensity (KBTU/year)	Non Title-24 Electricity Energy Intensity (kWhr/year)	Non Title-24 Natural Gas Energy Intensity (KBTU/year)
Phase 1						
Regional Shopping Center	1,652,429.61	2,399,623.14	**1,063,404.82**	**2,372,541.15**	589,024.79	27,081.99
Medical Office	214,042.00	364,603.94	**148,178.95**	**319,670.83**	65,863.05	44,933.11
Convenience Market/Gas Station	25,105.99	14,277.85	**11,606.93**	**9,713.10**	13,499.06	4,564.75
Fast Food Restaurant w/Drive Thru	753,848.92	2,109,443.67	**310,787.41**	**466,435.54**	443,061.51	1,643,008.13
Automated Carwash	48,642.95	167,986.51	**24,182.69**	**67,641.39**	24,460.26	100,345.12
Storage	429,592.61	213,366.03	**158,782.09**	**179,609.18**	270,810.52	33,756.85
Surface Parking Lot	770,802.91	0.00	**770,802.91**	**0.00**		
Phase 2						
Regional Shopping Center	683,296.18	880,840.72	**467,080.13**	**870,899.61**	216,216.05	9,941.11
Surface Parking Lot	188,884.87	0.00	**188,884.87**	**0.00**	0.00	0.00
	0.00	0.00	**0.00**	**0.00**	0.00	0.00
Full Buildout						
Regional Shopping Center	2,335,725.79	3,280,463.86	**1,530,484.95**	**3,243,440.76**	805,240.84	37,023.10
Medical Office	214,042.00	364,603.94	**148,178.95**	**319,670.83**	65,863.05	44,933.11
Convenience Market/Gas Station	25,105.99	14,277.85	**11,606.93**	**9,713.10**	13,499.06	4,564.75
Fast Food Restaurant w/Drive Thru	753,848.92	2,109,443.67	**310,787.41**	**466,435.54**	443,061.51	1,643,008.13
Automated Carwash	48,642.95	167,986.51	**24,182.69**	**67,641.39**	24,460.26	100,345.12
Storage	429,592.61	213,366.03	**158,782.09**	**179,609.18**	270,810.52	33,756.85
Surface Parking Lot	959,687.78	0.00	**959,687.78**	**0.00**	0.00	0.00

	Building Square Footage		
	Phase 1	Phase 2	Total
Total Restaurant and Fast Casual Restaurant Space:[1]	22,996	8,799	31,795
Total Regional Shopping Center:	245,051	89,952	335,003
Percent Restaurant and Fast Casual Restaurant of Regional Shopping Center:	9.38%	9.78%	9.49%

[1] *Total building square footage of the non-drive-thru restaurant uses modeled under the Regional Shopping Center land use.*

Table 2: Adjusted CalEEMod Energy Use

Land Use Subtype	Total Annual Electricity Consumption (kWh/year)	Total Annual Natural Gas Consumption (kBTU/year)	Title-24 Electricity Energy Intensity (kWhr/year)[1]	Title-24 Natural Gas Energy Intensity (KBTU/year)	Non Title-24 Electricity Energy Intensity (kWhr/year)[1]	Non Title-24 Natural Gas Energy Intensity (KBTU/year)
Phase 1						
Regional Shopping Center[2]	2,289,721.07	225,184.69	**1,693,503.85**	**222,643.27**	596,217.22	2,541.42
Medical Office	320,901.30	0.00	**241,869.11**	**0.00**	79,032.19	0.00
Convenience Market/Gas Station	29,290.59	0.00	**14,453.68**	**0.00**	14,836.91	0.00
Fast Food Restaurant w/Drive Thru	753,848.92	2,109,443.67	**310,787.41**	**466,435.54**	443,061.51	1,643,008.13
Automated Carwash	97,876.98	0.00	**44,007.25**	**0.00**	53,869.73	0.00
Storage	492,126.62	0.00	**211,422.53**	**0.00**	280,704.09	0.00
Surface Parking Lot	770,802.91	0.00	**770,802.91**	**0.00**	0.00	0.00
Phase 2						
Regional Shopping Center[2]	916,202.95	86,162.81	**697,358.33**	**85,190.39**	218,844.62	972.43
Surface Parking Lot	188,884.87	0.00	**188,884.87**	**0.00**	0.00	0.00
Full Buildout						
Regional Shopping Center[2]	3,205,924.02	311,347.51	**2,390,862.18**	**307,833.66**	815,061.84	3,513.85
Medical Office	320,901.30	0.00	**241,869.11**	**0.00**	79,032.19	0.00
Convenience Market/Gas Station	29,290.59	0.00	**14,453.68**	**0.00**	14,836.91	0.00
Fast Food Restaurant w/Drive Thru	753,848.92	2,109,443.67	**310,787.41**	**466,435.54**	443,061.51	1,643,008.13
Automated Carwash	97,876.98	0.00	**44,007.25**	**0.00**	53,869.73	0.00
Storage	492,126.62	0.00	**211,422.53**	**0.00**	280,704.09	0.00
Surface Parking Lot	959,687.78	0.00	**959,687.78**	**0.00**	0.00	0.00
	0.00	0.00	**0.00**	**0.00**	0.00	0.00
Totals	**11,719,312.41**	**4,841,582.35**	**8,346,179.87**	**1,548,538.40**	**3,373,132.54**	**3,293,043.96**

Notes: Adjusted estimates assume 3.412 kBTU per kWh.

[1] *Accounts for the equivalent natural gas energy consumption in kilowatt hour per year. Natural gas to electricity consumption is based on a conversion factor of 3.412 kBTU/kWH applied to the net change in natural gas consumption shown in Table 1 and Table 2.*

[2] *Natural gas consumption shown is associated with the restaurant and fast casual restaurant uses, which would be exempted from the Reduction Measure GHG-1 all-electric equipment and would be permitted to be connected to natural gas infrastructure.*

	Multiplier to get kBtu (US & Canada)	Multiplier to get GJ (US & Canada)
kWh (thousand Watt-hours)	3.412	0.00360
MWh (million Watt-hours)	3412	3.60
kBtu (thousand Btu)	1	0.00106
MBtu/MMBtu (million Btu)	1000	1.06
GJ (billion joules)	947.817	1

- These multipliers are standard conversion factors, independent of fuel-specific heat content that are used to convert between kWh, kBtu, and GJ.
- http://www.eia.doe.gov/basics/conversion_basics.html

https://portfoliomanager.energystar.gov/pdf/reference/Thermal%20Conversions.pdf

Changes to the CalEEMod Defaults - Fleet Mix Years 2027: Overall Worksheet

Commercial Default	HHD	LDA	LDT1	LDT2	LHD1	LHD2	MCY	MDV	MH	MHD	OBUS	SBUS	UBUS	
FleetMix (Model Default)	3.739130	43.460199	3.675691	21.234138	3.536969	1.113053	2.055488	18.983933	0.377052	1.551915	0.060742	0.177182	0.034508	100
FleetMix (Model Default)	0.037391	0.434602	0.036757	0.212341	0.035370	0.011131	0.020555	0.189839	0.003771	0.015519	0.000607	0.001772	0.000345	100%
Percent	3.74%	89.41%			4.65%				2.20%					100%
Proportion	1.000000	0.486081	0.041111	0.237493	0.760635	0.239365	0.022990	0.212326	0.171278	0.704968	0.027592	0.080486	0.015676	
	100.00%	100.00%			1.000000				1.000000					
	1.000000	0.486081	0.041111	0.237493	0.760635	0.239365	0	0.212326	0	0.704968	0	0	0	
	1.000000	1.000000			1.000000				0.704968					
	1.000000	0.486081	0.041111	0.237493	0.760635	0.239365	0.022990	0.212326	0	1.000000	0	0	0	
Assumed Mix	0.73%	89.02%			7.05%				3.21%					100.00%
Adjusted with Assumed	0.007317	0.432697	0.036596	0.211411	0.053588	0.016864	0	0.189007	0	0.032055	0	0	0	100%
	1%	43%	4%	21%	5%	2%	2%	19%	0%	3%	0%	0%	0%	100%
Modified	0.007317	0.432697	0.036596	0.211411	0.053588	0.016864	0	0.189007	0	0.032055	0	0	0	100.0%
	0.73%	89.02%			7.05%				3.21%					
Adjusted CalEEMod Inputs	0.7317049407133880	43.2697313983933000	3.6595820250825900	21.1410779812680000	5.3588390102638300	1.6863786013187400	2.0464796257475500	18.9007347062312000	0	3.2054717109814200	0	0	0	

Changes to the CalEEMod Defaults - Fleet Mix Years 2027: Overall Worksheet

Commercial Default	HHD	LDA	LDT1	LDT2	LHD1	LHD2	MCY	MDV	MH	MHD	OBUS	SBUS	UBUS	
FleetMix (Model Default)	3.819885	43.442294	3.587673	21.697754	3.446036	1.079640	2.040300	18.671434	0.359311	1.585872	0.059111	0.175690	0.035002	100
FleetMix (Model Default)	0.038199	0.434423	0.035877	0.216978	0.034460	0.010796	0.020403	0.186714	0.003593	0.015859	0.000591	0.001757	0.000350	100%
Percent	3.82%	89.44%			4.53%				2.21%					100%
Proportion	1.000000	0.485717	0.040113	0.242597	0.761441	0.238559	0.022812	0.208761	0.162218	0.715974	0.026687	0.079319	0.015802	
	100.00%	100.00%			1.000000				1.000000					
	1.000000	0.485717	0.040113	0.242597	0.761441	0.238559	0	0.208761	0	0.715974	0	0	0	
	1.000000	1.000000			1.000000				0.715974					
	1.000000	0.485717	0.040113	0.242597	0.761441	0.238559	0.022812	0.208761	0	1.000000	0	0	0	
Assumed Mix	0.73%	89.02%			7.05%				3.21%					100.00%
Adjusted with Assumed	0.007317	0.432374	0.035708	0.215954	0.053645	0.016807	0	0.185834	0	0.032055	0	0	0	100%
Trips	208	12,314	1,017	6,150	1,528	479	578	5,292	0	913	0	0	0	28,479
	1%	43%	4%	22%	5%	2%	2%	19%	0%	3%	0%	0%	0%	100%
Modified	0.007317	0.432374	0.035708	0.215954	0.053645	0.016807	0	0.185834	0	0.032055	0	0	0	100.0%
	0.73%	89.02%			7.05%				3.21%					
Adjusted CalEEMod Inputs	0.7317049407133880	43.2373949277349000	3.5707516825941600	21.5954144674458000	5.3645190187778500	1.6806985928047200	2.0306763498428400	18.5833683091049000	0	3.2054717109814200	0	0	0	

Peak Hour Turning Movement Worksheet[1]

[1] *Integrated Engineering Group. 2026, January. Riverview Market Transportation Analysis.*

AM Peak Hour: Year 2028 with Project

Intersection	SB Right	SB Thru	SB Left	EB Right	EB Thru	EB Left	NB Left	NB Thru	NB Right	WB Left	WB Thru	WB Right	Total
1	34	12	33	36	1,156	32	9	4	0	2	830	38	**2,186**
2	165	1,188	188	246	737	402	290	1,303	259	140	660	152	**5,730**
3	50	7	86	72	1,335	67	99	6	38	87	808	61	**2,716**
4	112	48	223	99	1,217	120	85	43	50	14	809	89	**2,909**
5	253	949	123	162	535	126	244	670	251	331	783	133	**4,560**
6	99	77	354	20	717	80	52	28	42	29	537	102	**2,137**
7	14	56	41	247	651	24	129	26	181	111	458	21	**1,959**
8	34	12	33	32	1,156	36	9	4	0	2	830	38	**2,186**
9	0	0	0	32	803	0	72	0	97	38	595	0	**1,637**
10	152	1,185	248	298	370	189	227	919	135	145	332	238	**4,438**
11	9	16	29	157	729	6	154	6	167	95	497	12	**1,877**
12	15	176	83	196	440	64	130	92	252	193	256	55	**1,952**
13	82	37	231	25	605	56	42	50	139	44	265	73	**1,649**
14	26	1,175	160	378	334	22	199	885	202	151	165	101	**3,798**
15	48	602	43	218	1,003	49	145	487	174	235	551	43	**3,598**
16	177	737	170	156	828	146	196	615	135	152	526	73	**3,911**
17	18	939	44	280	91	43	180	876	211	163	106	59	**3,010**
18	27	1,287	60	36	4	17	52	1,245	120	89	10	78	**3,025**
19	171	1,238	0	193	0	137	180	1,289	0	0	0	0	**3,208**
20	51	1,636	10	212	0	44	275	1,719	73	60	0	12	**4,092**
21	625	1,707	0	203	0	319	0	1,735	0	0	0	0	**4,589**
22	0	1,521	385	0	0	0	0	1,648	724	411	0	88	**4,777**
23	455	979	274	63	324	166	243	1,626	163	199	522	344	**5,358**
24	113	1,028	0	248	0	200	107	625	0	0	0	0	**2,321**
25	92	789	388	186	793	135	88	493	195	211	388	161	**3,919**
26	55	1,102	52	185	87	57	99	695	63	88	36	71	**2,590**
27	0	52	109	0	0	0	0	84	7	6	0	94	**352**
28	0	0	0	29	1,461	0	0	0	25	0	912	0	**2,427**
29	0	0	0	28	1,450	0	0	0	24	0	957	0	**2,459**
30	0	0	0	21	1,347	0	0	0	38	0	956	0	**2,362**
31	36	1,679	0	19	0	0	0	1,852	0	0	0	0	**3,586**
32	0	1,726	0	19	0	0	0	2,067	0	0	0	0	**3,812**
												MIN	**352**
												MAX	**5,730**

PM Peak Hour: Year 2028 with Project

Intersection	SB Right	SB Thru	SB Left	EB Right	EB Thru	EB Left	NB Left	NB Thru	NB Right	WB Left	WB Thru	WB Right	Total
1	53	0	50	12	1,023	30	15	2	2	3	1,523	24	**2,737**
2	235	1,289	250	391	759	318	405	1,506	198	245	1,025	244	**6,865**
3	106	12	168	118	1,257	150	188	12	70	142	1,358	134	**3,715**
4	156	72	221	161	1,266	146	161	56	32	60	1,442	44	**3,817**
5	210	919	187	367	983	240	325	1,098	426	281	678	191	**5,905**
6	114	76	202	20	787	111	47	38	40	39	1,073	302	**2,849**
7	4	19	44	87	811	20	115	32	142	148	768	18	**2,208**
8	53	0	50	12	1,023	30	15	2	2	3	1,523	24	**2,737**
9	0	0	0	58	612	0	51	0	53	74	947	0	**1,795**
10	162	1,287	207	169	274	198	224	1,397	118	184	393	291	**4,904**
11	11	4	16	27	527	10	35	3	82	60	710	32	**1,517**
12	13	98	52	161	277	24	159	174	195	247	314	86	**1,800**
13	53	31	113	45	348	42	38	33	57	55	339	93	**1,247**
14	64	1,027	151	206	144	40	445	1,287	158	102	235	144	**4,003**
15	83	650	67	149	464	42	248	681	191	201	827	43	**3,646**
16	116	798	151	137	505	124	345	959	211	189	709	88	**4,332**
17	29	1,090	24	204	66	67	234	1,274	194	256	124	78	**3,640**
18	41	1,464	80	87	20	47	87	1,552	97	133	34	101	**3,743**
19	254	1,447	0	160	0	258	302	1,565	0	0	0	0	**3,986**
20	81	1,859	14	397	0	81	446	1,863	107	89	0	74	**5,011**
21	693	1,898	0	168	0	290	0	1,989	0	0	0	0	**5,038**
22	0	1,805	238	0	0	0	0	1,715	397	907	0	277	**5,339**
23	331	1,773	339	155	531	321	159	1,194	215	306	672	399	**6,395**
24	145	1,041	0	160	0	143	212	1,156	0	0	0	0	**2,857**
25	109	830	222	183	527	153	201	935	221	246	836	301	**4,764**
26	62	1,155	30	206	77	38	180	1,313	90	89	123	49	**3,412**
27	0	118	175	0	0	0	0	74	12	12	0	175	**566**
28	0	0	0	48	1,471	0	0	0	47	0	1,646	0	**3,212**
29	0	0	0	48	1,477	0	0	0	48	0	1,652	0	**3,225**
30	0	0	11	36	1,398	0	0	0	58	0	1,634	0	**3,137**
31	60	1,865	0	35	0	0	0	2,109	0	0	0	0	**4,069**
32	0	1,898	0	35	0	0	0	2,416	0	0	0	0	**4,349**
												MIN	**566**
												MAX	**6,865**

Average Daily Traffic Volumes[1]

[1] *Data provided by Integrated Engineering Group.*

		Inputs									
		Existing 2025	2027 Cumulative	2027 + Cumulative + Ph I	2028 Cumulative	2028 + Cumulative + Ph I-II	Project Net Change	HY 2046	HY 2046 + Ph I-II		
Roadway	Segment	ADT (BOTH DIRECTIONS)	ADT (BOTH DIRECTIONS)	ADT (BOTH DIRECTIONS)	ADT (BOTH DIRECTIONS)	ADT (BOTH DIRECTIONS)	ADT (BOTH DIRECTIONS)	ADT (BOTH DIRECTIONS)	ADT (BOTH DIRECTIONS)	Posted Speed Limit	Grade
Rosedale Highway (CA-58)	Old Farm Road to Verdugo Lane	22291	22291	23160	22292	23347	1055	22295	23350	50	0
Rosedale Highway (CA-58)	Verdugo Lane to Calloway Drive	25807	25807	27165	25808	27456	1648	25812	27460	50	0
Rosedale Highway (CA-58)	Calloway Drive to El Toro Viejo Road/Clay Patrick Farr Way	31761	31762	34315	31762	34861	3099	31767	34866	50	0
Rosedale Highway (CA-58)	El Toro Viejo Road/Clay Patrick Farr Way to Northwest Promenade	33172	33173	36324	33173	36997	3824	33179	37003	50	0
Rosedale Highway (CA-58)	Northwest Promenade to Coffee Road	34182	34183	35867	34183	36227	2044	34189	36233	50	0
Rosedale Highway (CA-58)	Coffee Road to Patton Way	30790	30791	31389	30791	31516	725	30796	31521	50	0
Coffee Road	Olive Drive to Hageman Road	24459	24930	25908	25165	26352	1187	29403	30590	55	0
Coffee Road	Hageman Road to Meany Avenue/Riverlakes Drive	29066	29626	30930	29905	31487	1582	34941	36523	55	0
Coffee Road	Riverlakes Drive/Meany Avenue to Downing Avenue	35841	36531	38269	36876	38986	2110	43085	45195	55	0
Coffee Road	Downing Avenue to Granite Falls Drive	37867	38596	40552	38960	41333	2373	45521	47894	55	0
Coffee Road	Granite Falls Drive to Rosedale Highway (CA-58)	35814	36414	38478	36714	39219	2505	42111	44616	55	0
Coffee Road	Rosedale Highway (CA-58) to Jet Way	42426	43136	45309	43492	46129	2637	49886	52523	55	0
Coffee Road	Jet Way to Brimhall Road	42941	43705	48594	44087	50021	5934	50966	56900	55	0
Coffee Road	Brimhall Road to Westside Parkway EB Ramps	51734	52545	54772	52950	55653	2703	60245	62948	55	0
Coffee Road	Westside Parkway EB Ramps to Truxtun Road	43166	43842	45906	44180	46685	2505	50267	52772	55	0
Coffee Road	Truxtun Road and Stockdale Highway	52165	52238	53868	52275	54253	1978	52935	54913	55	0
Calloway Drive	Noriega Road to Hageman Road	26639	26987	27422	27161	27688	527	30294	30821	55	0
Calloway Drive	Hageman Road to Meacham Road	28037	28102	28645	28134	28793	659	28716	29375	55	0
Calloway Drive	Meacham Road to Rosedale Highway (CA-58)	31286	31358	32010	31394	32185	791	32044	32835	55	0
Calloway Drive	Rosedale Highway (CA-58) to Brimhall Road	38237	38538	39353	38689	39678	989	41402	42391	55	0
Brimhall Road	Allen Road to Old Farm Road	8709	8810	9245	8860	9387	527	9766	10293	50	0
Brimhall Road	Old Farm Road to Jewetta Avenue	10604	10727	11379	10788	11579	791	11891	12682	50	0
Brimhall Road	Jewetta Avenue to Verdugo Lane	12485	12629	13716	12701	14020	1319	14000	15319	50	0
Brimhall Road	Verdugo Lane to Calloway Drive	14892	15064	16259	15150	16600	1450	16699	18149	50	0
Brimhall Road	Calloway Drive to Harvest Creek Road	16029	16214	17844	16307	18285	1978	17974	19952	50	0
Brimhall Road	Harvest Creek Road to Coffee Road	16644	16929	18667	17072	19182	2110	19640	21750	50	0
Hageman Road	Calloway Drive to Coffee Road	24360	25019	25128	25348	25480	132	31279	31411	45	0

CalEEMod Land Use Inputs: Main Site Construction Assumptions

Name: Riverview Market
Project Location: Kern County
Climate Zone: 5
Land Use Setting: Urban
Utility Company: PGE (electricity) & SoCalGas (gas)

General Info

	Phase 1	Phase 2	Total	
Project Site Area (Sq Ft):	**1,609,641**	**401,089**	**2,010,730**	**square feet**
Disturbed Area (Sq Ft):	**36.95**	**9.21**	**46.16**	

Development Phasing

	Phase 1	Phase 2	Offsite Street Improvement (Left Turn Lane)	Offsite Street Improvement (Traffic Signal)
What is the general construction schedule? (month/year - month/year)	03/2026 - 12/2027	01/2028 - 12/2028	06/2026-12/2026	06/2026-12/2026

New Building Info (please mark building square footage to assume)

Building	Parcel	Phase 1	Phase 2	Total	Parcel Acreage	Number of Fuel Pumps
		Building Square Feet (BSF)				
Pad 1 Drive-Thru Restaurant	PARCEL 02	2,500		2,500	1.17	
Pad 1 Fast Casual Restaurant		5,548		5,548		
Pad 1 Electrical/Fire Riser		176		176		
Pad 2 Car Wash	PARCEL 03	4,100		4,100	1.79	
Pad 3 Drive-Thru Restaurant	PARCEL 07	510		510	1.29	
Pad 3 Electrical/Fire Riser		250		250		
Pad 4 Drive-Thru Restaurant	PARCEL 09	4,277		4,277	1.29	
Pad 5 Drive-Thru Restaurant	PARCEL 10	2,296		2,296	0.96	
Pad 5 Fast Casual Restaurant		4,226		4,226		
Pad 5 Electrical/Fire Riser		176		176		
Pad 6 Drive-Thru Restaurant	PARCEL 11	2,444		2,444	0.83	
Pad 6 Electrical/Fire Riser		134		134		
Pad 7 Retail	PARCEL 12	4,560		4,560	0.58	
Pad 7 Electrical/Fire Riser		134		134		
Pad 8 Retail	PARCEL 13	4,560		4,560	0.75	
Pad 8 Electrical/Fire Riser		134		134		
Pad 9 Restaurant	PARCEL 14	7,822		7,822	1.87	
Pad 9 Electrical/Fire Riser		145		145		
Pad 10 Suite A Retail	PARCEL 17	3,028		3,028	1.21	
Pad 10 Suite B Restaurant		1,844		1,844		
Pad 10 Suite C Retail		1,520		1,520		
Pad 10 Suite D Restaurant		1,794		1,794		
Pad 10 Drive-Thru Restaurant		1,720		1,720		
Pad 10 Electrical/Fire Riser		204		204		
Pad 11 Drive-Thru Restaurant		2,740		2,740		

Pad 11 Retail	PARCEL 19	2,659		2,659	1.19	
Pad 11 Retail		2,646		2,646		
Pad 11 Retail		3,498		3,498		
Pad 11 Electrical/Fire Riser		176		176		
Pad 12 Medical Office	PARCEL 22	8,996		8,996	1.24	
Pad 12 Electrical/Fire Riser		133		133		
Pad 13 Restaurant	PARCEL 25		6,399	6,399	1.73	
Pad 13 Electrical/Fire Riser			134	134		
Pad 14 Restaurant	PARCEL 30		2,400	2,400	1.16	
Pad 14 Retail			4,601	4,601		
Pad 14 Electrical/Fire Riser			134	134		
Shops 1 Suite A Retail	PARCEL 15	2,482		2,482	0.21	
Shops 1 Suite B Retail		2,497		2,497		
Shops 2 Suite A Retail	PARCEL 18	3,042		3,042	1.18	
Shops 2 Suite B Retail		2,023		2,023		
Shops 2 Suite C Retail		2,081		2,081		
Shops 2 Suite D Fast Casual Restaurant		1,762		1,762		
Shops 2 Suite E Retail		1,950		1,950		
Major A Health Club	PARCEL 08	24,993		24,993	2.60	
Major B Market	PARCEL 16	34,999		34,999	3.78	
Major C Retail	PARCEL 20	21,927		21,927	1.34	
Major D Retail	PARCEL 21	22,927		22,927	1.21	
Major E Retail	PARCEL 23	27,863		27,863	1.59	
Major F Retail	PARCEL 24	25,329		25,329	1.10	
Major G Retail	PARCEL 26	26,326		26,326	1.21	
Major H Retail	PARCEL 27		23,927	23,927	1.33	
Major I Retail	PARCEL 28		27,921	27,921	1.81	
Major J Retail	PARCEL 29		24,436	24,436	1.88	
Storage Building	PARCEL 01	40,000		40,000	1.68	
Gas Station - Controller Office	PARCEL 04	308		308	2.27	
Gas Station - Controller Storage		120		120		
Gas Station Canopy		n/a		n/a		40
No Buildings	PARCEL 05	n/a		n/a	2.37	
No Buildings	PARCEL 06	n/a		n/a	3.54	
	TOTAL	**315,579**	**89,952**	**405,531**	**46.16**	**40**

New Pavement and Hardscape

	Phase 1	**Phase 2**	**Total**	
Total Number of Surface Parking Stalls:	1,755	371	**2,126**	spaces
Total Surface Parking Area (9'x18' per stall):	880,017	215,557	**1,095,574**	square feet
Total Non-Parking Asphalt Surface Area:	281,691	108,717	**390,408**	square feet
Total Hardscape	266,103	25,729	**291,832**	square feet
Retention Basin	61,380	0	**61,380**	square feet
Total Landscaping:[1]	520,808	81,183	**601,991**	square feet

[1] *Construction modeling assumed these landscaping numbers although the actual landscaping proposed is 379,446 square feet. However, the landscaping does not account for any construction-related emissions.*

CalEEMod Land Use Inputs

Land Use	Land Use Amount	Metric	Acres	Landscaping (SF)
Phase 1				
Regional Shopping Center (Retail, Casual Restaurant, Market, & Health Club)	245,051	BSF	5.6256	520,808
Medical Office	9,129	BSF	0.2096	
Fast Food Restaurant w/Drive Thru	16,871	BSF	0.3873	
Self Storage	40,000	BSF	0.9183	
Automated Carwash	4,100	BSF	0.0941	
Convenience Market/Gas Station	428	BSF	0.0098	
Surface Parking Lot	1,755	parking spaces	20.2024	
Other Asphalt Surfaces	281,691	square feet	6.4667	
Other Non-Asphalt Surfaces	3.036	acre	3.0362	
			36.9500	
Phase 2				
Regional Shopping Center (Retail & Restaurant)	89,952	BSF	1.7657	81,183
Surface Parking Lot	371	parking spaces	4.9485	
Other Asphalt Surfaces	108,717	square feet	2.4958	
Other Non-Asphalt Surfaces	0	square feet	0.0000	
			9.2100	

Phase 1 CalEEMod Inputs

Type	Land Use Type	Land Use Unit Amount	Land Use Size Metric	Lot Acreage	Land Use Square Feet	Landscaping (SF)
Retail, Restaurant, & Health Club	Regional Shopping Center	245.051	1000bsf	5.63	245,051	520,808
Medical Office	Medical Office	9.129	1000bsf	0.21	9,129	
Gas Station	Convenience Mart/Gas Station	40	pumps	0.01	428	
Restaurant w/Drive-Thru	Fast Food Restaurant w/Drive Thru	16.871	1000bsf	0.39	16,871	
Automated Carwash	Auto Repair	4.100	1000bsf	0.09	4,100	
Storage	Unrefrigerated Warehouse No Rail	40.000	1000bsf	0.92	40,000	
Parking	Parking Lot	1,755	stalls	20.20		
Parking	Other Asphalt Surfaces	281.691	1000bsf	6.47		
Parking	Other Non-Asphalt	3.036	Acre	3.04		
				36.95	315,579	

Phase 2 CalEEMod Inputs

Type	Land Use Type	Land Use Unit Amount	Land Use Size Metric	Lot Acreage	Land Use Square Feet	Landscaping (SF)
Retail & Restaurants	Regional Shopping Center	89.952	1000bsf	1.77	89,952	81,183
Parking	Parking Lot	371	stalls	4.95		
Parking	Other Asphalt Surfaces	108.717	1000bsf	2.50		
Parking	Other Non-Asphalt	0.000	Acre	0.00		
				9.21	89,952	

Full Buildout CalEEMod Inputs

Type	Land Use Type	Land Use Unit Amount	Land Use Size Metric	Lot Acreage	Land Use Square Feet	Landscaping (SF)
Retail, Restaurant, & Health Club	Regional Shopping Center	335.003	1000bsf	7.39	335,003	601,991
Medical Office	Medical Office	9.129	1000bsf	0.21	9,129	
Gas Station	Convenience Mart/Gas Station	40	pumps	0.01	428	
Restaurant w/Drive-Thru	Fast Food Restaurant w/Drive Thru	16.871	1000bsf	0.39	16,871	
Automated Carwash	Auto Repair	4.100	1000bsf	0.09	4,100	
Storage	Unrefrigerated Warehouse No Rail	40.000	1000bsf	0.92	40,000	
Parking	Parking Lot	2,126	stalls	25.15		
Parking	Other Asphalt Surfaces	390.408	1000bsf	8.96		
Parking	Other Non-Asphalt	3.0361570248	Acre	3.04		
				46.16	405,531	

Asphalt Demolition

Total Asphalt Demolition Debris Amount: 575 tons

Phases	Amount to be Exported (CY)[1]	Haul Truck Capacity (CY)[2]	Haul Distance (mile)[2]	Total Trip Ends	Duration (days)	Trip Ends/Day
Demolition	575	14	20.00	84	1	84

[1] *Provided by project applicant.*

[2] *CalEEMod default.*

Architectural Coating

Phase 1

Land Use	Land Use Amount (BSF)	CalEEMod Paintable Surface Area Multiplier*	Total Paintable Surface Area (BSF)	Total Paintable Interior Surface Area (BSF)*	Total Paintable Exterior Surface Area (BSF)*
Retail, Restaurant, & Health Club	245,051	2.0	490,102	367,577	122,526
Medical Office	9,129	2.0	18,258	13,694	4,565
Gas Station	428	2.0	856	642	214
Restaurant w/Drive-Thru	16,871	2.0	33,742	25,307	8,436
Automated Carwash	4,100	2.0	8,200	6,150	2,050
Storage	40,000	2.0	80,000	60,000	20,000
			Non-Residential Sub-Total	***473,369***	***157,790***
Parking Lot	880,017	0.06	52,801	n/a	52,801
Other Asphalt Surfaces	281,691	0.06	16,901	n/a	16,901
Other Non-Asphalt	132,255	0.06	7,935	n/a	7,935
			Residential Sub-Total	***0***	***77,638***

**Based on CalEEMod methodology in calculating the paintable surface areas for a nonresidential building and parking lot.*

Phase 2

Land Use	Land Use Amount (BSF)	CalEEMod Paintable Surface Area Multiplier*	Total Paintable Surface Area (BSF)	Total Paintable Interior Surface Area (BSF)*	Total Paintable Exterior Surface Area (BSF)*
Retail & Restaurant	89,952	2.0	179,904	134,928	44,976
			Non-Residential Sub-Total	***134,928***	***44,976***
Parking Lot	215,557	0.06	12,933	n/a	12,933
Other Asphalt Surfaces	108,717	0.06	6,523	n/a	6,523
Other Non-Asphalt	0	0.06	0	n/a	0
			Residential Sub-Total	***0***	***19,456***

**Based on CalEEMod methodology in calculating the paintable surface areas for a nonresidential building and parking lot.*

Full Buildout

Land Use	Land Use Amount (BSF)	CalEEMod Paintable Surface Area Multiplier*	Total Paintable Surface Area (BSF)	Total Paintable Interior Surface Area (BSF)*	Total Paintable Exterior Surface Area (BSF)*
Retail, Restaurant, & Health Club	335,003	2.0	670,006	502,505	167,502
Medical Office	9,129	2.0	18,258	13,694	4,565
Gas Station	428	2.0	856	642	214
Restaurant w/Drive-Thru	16,871	2.0	33,742	25,307	8,436
Automated Carwash	4,100	2.0	8,200	6,150	2,050
Storage	40,000	2.0	80,000	60,000	20,000
			Non-Residential Sub-Total	***608,297***	***202,766***
Parking Lot	1,095,574	0.06	65,734	n/a	65,734
Other Asphalt Surfaces	390,408	0.06	23,424	n/a	23,424
Other Non-Asphalt	132,255	0.06	7,935	n/a	7,935
	3.036157025		***Residential Sub-Total***	***0***	***97,094***

**Based on CalEEMod methodology in calculating the paintable surface areas for a nonresidential building and parking lot.*

CalEEMod Construction Run Land Use Inputs: Offsite Improvement - Left Turn Lane

Name: Rosedale & Coffee
Project Location: Kern County
Land Use Setting: Urban

Land Use	Land Use Amount[1]	Metric
Left Turn Lane	8,305	square feet

[1] *Measured based on estimated area.*

Asphalt Demolition

l Asphalt Demolition Debris Amount: 575 tons

Phases	Amount to be Exported (tons)[1]	Haul Truck Capacity (ton)[2]	Haul Distance (mile)[2]	Total Trip Ends	Duration (days)	Trip Ends/Day
Demolition	575	8	20.00	144	5	29

[1] *Provided by project applicant.*

[2] *CalEEMod default.*

Type	Land Use Type	Land Use Unit Amount	Land Use Size Metric	Lot Acreage	Land Use Square Feet
Parking Lot	Other Asphalt	8.305	1000sqft	0.19	0

Architectural Coating

Land Use	Land Use Amount (BSF)	CalEEMod Paintable Surface Area Multiplier*	Total Paintable Surface Area (BSF)	Total Paintable Interior Surface Area (BSF)*	Total Paintable Exterior Surface Area (BSF)*
Parking Lot	8,305	0.06	498	n/a	498
			Parking Sub-Total	***0***	***498***

**Based on CalEEMod methodology in calculating the paintable surface areas for a parking lot.*

CalEEMod Construction Run Land Use Inputs: Offsite Improvement - Traffic Signal

Name: Rosedale & Coffee
Project Location: Kern County
Land Use Setting: Urban

Land Use	Land Use Amount[1]	Metric
Left Turn Lane	400	square feet

[1] *Measured based on estimated area.*

Type	Land Use Type	Land Use Unit Amount	Land Use Size Metric	Lot Acreage	Land Use Square Feet
Parking Lot	Other Asphalt	0.400	1000sqft	0.01	0

Architectural Coating

Land Use	Land Use Amount (BSF)	CalEEMod Paintable Surface Area Multiplier*	Total Paintable Surface Area (BSF)	Total Paintable Interior Surface Area (BSF)*	Total Paintable Exterior Surface Area (BSF)*
Parking Lot	400	0.06	24	n/a	24
			Parking Sub-Total	***0***	***24***

**Based on CalEEMod methodology in calculating the paintable surface areas for a parking lot.*

Construction Activities and Schedule Assumptions:

* Provided by the project applicant.

Construction Activities	Construction Schedule				
	Start Date	End Date	Duration (Workday)	Worker Trips/Day	Vendor Trips/Day
Phase 1					
Site Preparation	03/16/2026	03/20/2026	5.00	6.00	0.00
Rough Grading	03/23/2026	04/03/2026	10.00	10.00	0.00
Fine Grading	06/08/2026	06/26/2026	15.00	6.00	0.00
Utility Trenching	04/06/2026	06/05/2026	45.00	18.00	0.25
Building Construction	03/30/2026	12/28/2026	180.00	60.00	2.00
Paving	06/29/2026	07/10/2026	10.00	16.00	12.00
Finishing/Landscaping	07/13/2026	10/09/2026	85.00	20.00	1.00
Phase 2					
Site Preparation	01/04/2027	01/08/2027	5.00	6.00	0.00
Rough Grading	01/11/2027	01/22/2027	10.00	10.00	0.00
Fine Grading	02/22/2027	03/05/2027	10.00	5.00	0.00
Utility Trenching	01/25/2027	02/19/2027	20.00	12.00	1.00
Building Construction	01/18/2027	07/23/2027	135.00	60.00	2.00
Paving	03/08/2027	03/12/2027	5.00	16.00	8.00
Finishing/Landscaping	03/15/2027	04/30/2027	40.00	15.00	1.00
Offsite Improvements (Turning Lane)					
Demolition	06/08/2026	06/12/2026	5.00	4.00	0.00
Site Preparation	06/15/2026	06/19/2026	5.00	4.00	0.00
Rough Grading	06/22/2026	07/03/2026	10.00	4.00	0.00
Fine Grading	08/03/2027	08/07/2027	5.00	4.00	0.00
Paving	08/10/2027	08/14/2027	5.00	6.00	4.00
Offsite Improvements (Traffic Signal)					
Utility Trenching	07/06/2026	07/31/2026	20	6	1
Traffic Signal Installation	08/17/2027	09/11/2027	20	2	1

Phase 1 CalEEMod Inputs

Construction Activity	Start Date	End Date	Workdays
Site Preparation	03/16/2026	03/20/2026	5
Rough Grading	03/23/2026	04/03/2026	10
Building Construction	03/30/2026	12/28/2026	196
Utility Trenching	04/06/2026	06/05/2026	45
Fine Grading	06/08/2026	06/26/2026	15
Paving	06/29/2026	07/10/2026	10
Finishing and Landscaping	07/13/2026	10/09/2026	65
Architectural Coating	10/13/2026	12/28/2026	55

Phase 2 CalEEMod Inputs

Construction Activity	Start Date	End Date	Workdays
Site Preparation	01/04/2027	01/08/2027	5
Rough Grading	01/11/2027	01/22/2027	10
Building Construction	01/18/2027	07/23/2027	135
Utility Trenching	01/25/2027	02/19/2027	20
Fine Grading	02/22/2027	03/05/2027	10
Paving	03/08/2027	03/12/2027	5
Finishing and Landscaping	03/15/2027	04/30/2027	35
Architectural Coating	6/28/2027	07/23/2027	20

Left Turn Lane CalEEMod Inputs

Construction Activity	Start Date	End Date	Workdays
Demolition	06/08/2026	06/12/2026	5
Site Preparation	06/15/2026	06/19/2026	5
Rough Grading	06/22/2026	07/03/2026	10
Fine Grading	08/03/2026	08/07/2026	5
Paving	08/10/2026	08/14/2026	5
Architectural Coating	8/17/2026	8/17/2026	1

Traffic Signal CalEEMod Inputs

Construction Activity	Start Date	End Date	Workdays
Utility Trenching	07/06/2026	07/31/2026	20
Traffic Signal Installation	08/17/2026	09/11/2026	20

Construction Equipment Mix: Phase 1

**Based on information provided by the project applicant.*

Equipment	CalEEMod Equipment	Pieces of Equipment	Hrs Op	HP	LF	Worker Trips/ Day	Vendor Trips/Day	Onsite Truck Travel Distance (miles)
Site Preparation						**12**	**2**	
Skip Loader	Tractors/Loaders/Backhoes	**1**	8	**84**	**0.37**			**n/a**
	Water truck[1]	**1**		**n/a**	**n/a**		**2**	**n/a**
	Onsite Truck[2]	**1**		**n/a**	**n/a**			**0.4125**
Rough Grading						**20**	**10**	
Skip Loader	Tractors/Loaders/Backhoes	**1**	8	**84**	**0.37**			**n/a**
Scraper	Scrapers	**2**	8	**423**	**0.48**			**n/a**
	Water truck[1]	**5**		**n/a**	**n/a**		**10**	**n/a**
	Onsite Truck[2]	**1**		**n/a**	**n/a**			**1.6500**
Fine Grading						**12**	**2**	
Skip Loader	Tractors/Loaders/Backhoes	**2**	8	**84**	**0.37**			**n/a**
Motor Grader	Grader	**1**	8	**148**	**0.41**			**n/a**
	Water truck[1]	**1**		**n/a**	**n/a**		**2**	**n/a**
	Onsite Truck[2]	**1**		**n/a**	**n/a**			**0.4125**
Utilities Trenching						**36**	**2**	
Backhoe	Tractors/Loaders/Backhoes	**2**	8	**84**	**0.37**			**n/a**
Excavator	Excavators	**2**	8	**36**	**0.38**			**n/a**
Building Construction						**120**	**4**	
	Forklifts	**2**	8	**82**	**0.20**			**n/a**
	Generator Sets	**1**	8	**14**	**0.74**			
	Welders	**1**	8	**46**	**0.45**			
Asphalt Paving						**32**	**24**	
Paving Machine	Pavers	**1**	8	**81**	**0.42**			**n/a**
Skip loader	Tractor/Loader/Backhoe	**1**	8	**84**	**0.37**			**n/a**
Roller	Rollers	**2**	8	**36**	**0.38**			**n/a**
Architectural Coating						**Default**	**Default**	
	Air Compressors	**1**	6	**37**	**0.48**			**n/a**
Finishing/Landscaping						**40**	**2**	
Skip Loader	Tractor/Loader/Backhoe	**1**	8	**84**	**0.37**			**n/a**
Skid Steer Loader	Skid Steer	**1**	8	**71**	**0.37**			

[1] *Based on 10,000 gallons per acre disturbed and a 4,000 gallon water truck. 2005, June 5. Maricopa Air Quality Department. Guidance for Application for Dust*

[2] *Represents onsite water truck travel distance and based on 0.825 mi/acre.*

Construction Equipment Mix: Phase 2

**Based on information provided by the project applicant.*

Equipment	CalEEMod Equipment	Pieces of Equipment	Hrs Op	HP	LF	Worker Trips/ Day	Vendor Trips/Day	Onsite Truck Travel Distance (miles)
Site Preparation						**12**	**2**	
Skip Loader	Tractors/Loaders/Backhoes	**1**	8	**84**	**0.37**			**n/a**
	Water truck[1]	**1**		**n/a**	**n/a**		**2**	**n/a**
	Onsite Truck[2]	**1**		**n/a**	**n/a**			**0.4125**
Rough Grading						**20**	**10**	
Skip Loader	Tractors/Loaders/Backhoes	**1**	8	**84**	**0.37**			**n/a**
Scraper	Scrapers	**2**	8	**423**	**0.48**			**n/a**
	Water truck[1]	**5**		**n/a**	**n/a**		**10**	**n/a**
	Onsite Truck[2]	**1**		**n/a**	**n/a**			**1.65**
Fine Grading						**10**	**2**	
Skip Loader	Tractors/Loaders/Backhoes	**2**	8	**84**	**0.37**			**n/a**
Motor Grader	Grader	**1**	8					**n/a**
	Water truck[1]	**1**		**n/a**	**n/a**		**2**	**n/a**
	Onsite Truck[2]	**1**		**n/a**	**n/a**			**0.4125**
Utilities Trenching						**24**	**2**	
Backhoe	Tractors/Loaders/Backhoes	**2**	8	**84**	**0.37**			**n/a**
Excavator	Excavators	**2**	8	**36**	**0.38**			**n/a**
Building Construction						**120**	**4**	
	Forklifts	**2**	8	**82**	**0.20**			**n/a**
	Generator Sets	**1**	8	**14**	**0.74**			
	Welders	**1**	8	**46**	**0.45**			
Asphalt Paving						**32**	**16**	
Paving Machine	Pavers	**1**	8					**n/a**
Skip loader	Tractor/Loader/Backhoe	**1**	8					**n/a**
Roller	Rollers	**2**	8	**36**	**0.38**			**n/a**
Architectural Coating						**Default**	**Default**	
	Air Compressors	**1**	6	**37**	**0.48**			**n/a**
Finishing/Landscaping						**30**	**2**	
Skip Loader	Tractor/Loader/Backhoe	**1**	8	**84**	**0.37**			**n/a**
Skid Steer Loader	Skid Steer	**1**	8	**71**	**0.37**			

[1] *Based on 10,000 gallons per acre disturbed and a 4,000 gallon water truck. 2005, June 5. Maricopa Air Quality Department. Guidance for Application for Dust*

[2] *Represents onsite water truck travel distance and based on 0.825 mi/acre.*

Construction Equipment Mix: Left Turn Lane

**Based on information provided by the project applicant.*

Equipment	CalEEMod Equipment	Pieces of Equipment	Hrs Op	HP	LF	Worker Trips/ Day	Vendor Trips/Day	Onsite Truck Travel Distance (miles)
Demolition						**8**	**Default**	
Skid Steer Loader	Tractor/Loader/Backhoe	**1**	8	**71**	**0.37**			**n/a**
Site Preparation						**8**	**2**	
Skip Loader	Tractors/Loaders/Backhoes	**1**	8	**84**	**0.37**			**n/a**
Skid Steer Loader	Skid Steer Loader	**1**	8	**71**	**0.37**			
	Water truck[1]	**1**		**n/a**	**n/a**		**2**	**n/a**
	Onsite Truck[2]	**0**		**n/a**	**n/a**			**0**
Rough Grading						**8**	**2**	
Skip Loader	Tractors/Loaders/Backhoes	**1**	8	**84**	**0.37**			**n/a**
	Water truck[1]	**1**		**n/a**	**n/a**		**2**	**n/a**
	Onsite Truck[2]	**0**		**n/a**	**n/a**			**0**
Fine Grading						**8**	**2**	
Skip Loader	Tractors/Loaders/Backhoes	**1**	8	**84**	**0.37**			**n/a**
	Water truck[1]	**1**		**n/a**	**n/a**		**2**	**n/a**
	Onsite Truck[2]	**0**		**n/a**	**n/a**			**0.00**
Asphalt Paving						**12**	**8**	
Paving Machine	Pavers	**1**	8					**n/a**
Skip loader	Tractor/Loader/Backhoe	**1**	8					**n/a**
Roller	Rollers	**1**	8	**36**	**0.38**			**n/a**
Architectural Coating						**Default**	**Default**	
	Air Compressors	**1**	6	**37**	**0.48**			**n/a**

[1] *Assumes a water truck for purposes of modeling.*

[2] *Assumes no onsite truck due to nature of the improvement.*

Appendix B. CalEEMod Outputs

Appendix

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LOKH-01_Construction Phase 1 Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	LOKH-01_Construction Phase 1
Construction Start Date	3/16/2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70000
Precipitation (days)	18.0000
Location	35.382244024302594, -119.09464262587437
County	Kern-San Joaquin
City	Bakersfield
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2817
EDFZ	5
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Southern California Gas
App Version	2022.1.1.37

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Regional Shopping Center	245.051	1000sqft	5.63000	245,051	520,808	0.00000	—	—

Medical Office Building	9.12900	1000sqft	0.20957	9,129.00	0.00000	—	—	—
Convenience Market with Gas Pumps	40.0000	Pump	0.01000	428.000	0.00000	—	—	—
Fast Food Restaurant with Drive Thru	16.8710	1000sqft	0.38730	16,871.0	0.00000	—	—	—
Automobile Care Center	4.10000	1000sqft	0.09412	4,100.00	0.00000	—	—	—
Unrefrigerated Warehouse-No Rail	40.0000	1000sqft	0.91827	40,000.0	0.00000	—	—	—
Parking Lot	1.000000	Space	20.2024	0.00000	0.00000	—	—	—
Other Asphalt Surfaces	281.691	1000sqft	6.46674	0.00000	0.00000	—	—	—
Other Non-Asphalt Surfaces	3.03600	Acre	3.03600	0.00000	0.00000	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.83612	8.58577	19.0691	24.3953	0.05470	0.67248	6.02347	6.69595	0.62030	0.83288	1.45318	—	7,290.86	7,290.86	0.22905	0.30638	8.62022	7,388.71
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	34.3954	34.2204	19.2711	22.6372	0.05470	0.67248	6.02347	6.69595	0.62030	0.83288	1.45318	—	7,148.34	7,148.34	0.23831	0.28710	0.19616	7,240.05
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.01477	5.89914	4.56944	7.88169	0.01237	0.13737	0.98169	1.11906	0.12715	0.21471	0.34186	—	2,038.02	2,038.02	0.05419	0.12903	1.71464	2,079.54
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.09770	1.07659	0.83392	1.43841	0.00226	0.02507	0.17916	0.20423	0.02320	0.03918	0.06239	—	337.417	337.417	0.00897	0.02136	0.28388	344.291

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	8.83612	8.58577	19.0691	24.3953	0.05470	0.67248	6.02347	6.69595	0.62030	0.83288	1.45318	—	7,290.86	7,290.86	0.22905	0.30638	8.62022	7,388.71
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	34.3954	34.2204	19.2711	22.6372	0.05470	0.67248	6.02347	6.69595	0.62030	0.83288	1.45318	—	7,148.34	7,148.34	0.23831	0.28710	0.19616	7,240.05
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	6.01477	5.89914	4.56944	7.88169	0.01237	0.13737	0.98169	1.11906	0.12715	0.21471	0.34186	—	2,038.02	2,038.02	0.05419	0.12903	1.71464	2,079.54
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.09770	1.07659	0.83392	1.43841	0.00226	0.02507	0.17916	0.20423	0.02320	0.03918	0.06239	—	337.417	337.417	0.00897	0.02136	0.28388	344.291

3. Construction Emissions Details

3.1. Site Preparation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12007	0.10089	1.03315	1.90815	0.00268	0.03479	—	0.03479	0.03201	—	0.03201	—	290.363	290.363	0.01178	0.00236	—	291.359
Dust From Material Movement	—	—	—	—	—	—	0.00000	0.00000	—	0.00000	0.00000	—	—	—	—	—	—	—
Onsite truck	0.00098	0.00074	0.01771	0.01209	0.00003	0.00003	0.60722	0.60724	0.00003	0.06062	0.06065	—	3.20039	3.20039	0.00016	0.00050	0.00009	3.35501
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00164	0.00138	0.01415	0.02614	0.00004	0.00048	—	0.00048	0.00044	—	0.00044	—	3.97757	3.97757	0.00016	0.00003	—	3.99122
Dust From Material Movement	—	—	—	—	—	—	0.00000	0.00000	—	0.00000	0.00000	—	—	—	—	—	—	—
Onsite truck	0.00001	0.00001	0.00023	0.00016	< 0.000005	< 0.000005	0.00791	0.00791	< 0.000005	0.00079	0.00079	—	0.04344	0.04344	< 0.000005	0.00001	0.00002	0.04557
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00030	0.00025	0.00258	0.00477	0.00001	0.00009	—	0.00009	0.00008	—	0.00008	—	0.65853	0.65853	0.00003	0.00001	—	0.66079
Dust From Material Movement	—	—	—	—	—	—	0.00000	0.00000	—	0.00000	0.00000	—	—	—	—	—	—	—

Onsite truck	< 0.000005	< 0.000005	0.00004	0.00003	< 0.000005	< 0.000005	0.00144	0.00144	< 0.000005	0.00014	0.00014	—	0.00719	0.00719	< 0.000005	< 0.000005	< 0.000005	0.00755
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04686	0.04261	0.03873	0.41159	0.00000	0.00000	0.09360	0.09360	0.00000	0.02194	0.02194	—	89.4493	89.4493	0.00265	0.00398	0.00865	90.7098
Vendor	0.00221	0.00158	0.05993	0.02133	0.00032	0.00065	0.01236	0.01301	0.00065	0.00342	0.00407	—	45.4680	45.4680	0.00055	0.00653	0.00301	47.4297
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00065	0.00059	0.00048	0.00597	0.00000	0.00000	0.00127	0.00127	0.00000	0.00030	0.00030	—	1.27221	1.27221	0.00003	0.00005	0.00197	1.29124
Vendor	0.00003	0.00002	0.00080	0.00029	< 0.000005	0.00001	0.00017	0.00018	0.00001	0.00005	0.00006	—	0.62240	0.62240	0.00001	0.00009	0.00069	0.64991
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00012	0.00011	0.00009	0.00109	0.00000	0.00000	0.00023	0.00023	0.00000	0.00005	0.00005	—	0.21063	0.21063	0.00001	0.00001	0.00033	0.21378
Vendor	0.00001	< 0.000005	0.00015	0.00005	< 0.000005	< 0.000005	0.00003	0.00003	< 0.000005	0.00001	0.00001	—	0.10304	0.10304	< 0.000005	0.00001	0.00011	0.10760
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3. Rough Grading (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	1.79115	1.50506	13.4994	12.9313	0.03767	0.52095	—	0.52095	0.47927	—	0.47927	—	4,078.03	4,078.03	0.16542	0.03308	—	4,092.02
Dust From Material Movement	—	—	—	—	—	—	2.12100	2.12100	—	0.22902	0.22902	—	—	—	—	—	—	—
Onsite truck	0.00117	0.00087	0.02049	0.01207	0.00006	0.00011	2.42886	2.42897	0.00011	0.24247	0.24258	—	7.22723	7.22723	0.00019	0.00116	0.01326	7.59083
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.79115	1.50506	13.4994	12.9313	0.03767	0.52095	—	0.52095	0.47927	—	0.47927	—	4,078.03	4,078.03	0.16542	0.03308	—	4,092.02
Dust From Material Movement	—	—	—	—	—	—	2.12100	2.12100	—	0.22902	0.22902	—	—	—	—	—	—	—
Onsite truck	0.00106	0.00076	0.02192	0.01244	0.00006	0.00011	2.42886	2.42897	0.00011	0.24247	0.24258	—	7.27794	7.27794	0.00019	0.00116	0.00034	7.62862
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04907	0.04123	0.36985	0.35428	0.00103	0.01427	—	0.01427	0.01313	—	0.01313	—	111.727	111.727	0.00453	0.00091	—	112.110
Dust From Material Movement	—	—	—	—	—	—	0.05811	0.05811	—	0.00627	0.00627	—	—	—	—	—	—	—
Onsite truck	0.00003	0.00002	0.00058	0.00033	< 0.000005	< 0.000005	0.06326	0.06327	< 0.000005	0.00632	0.00632	—	0.19859	0.19859	0.00001	0.00003	0.00016	0.20834
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00896	0.00753	0.06750	0.06466	0.00019	0.00260	—	0.00260	0.00240	—	0.00240	—	18.4977	18.4977	0.00075	0.00015	—	18.5611

Dust From Material Movement	—	—	—	—	—	—	0.01061	0.01061	—	0.00115	0.00115	—	—	—	—	—	—	—
Onsite truck	0.00001	< 0.000005	0.00011	0.00006	< 0.000005	< 0.000005	0.01155	0.01155	< 0.000005	0.00115	0.00115	—	0.03288	0.03288	< 0.000005	0.00001	0.00003	0.03449
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08736	0.08117	0.05261	0.94070	0.00000	0.00000	0.15600	0.15600	0.00000	0.03657	0.03657	—	169.699	169.699	0.00309	0.00619	0.55548	172.176
Vendor	0.01193	0.00876	0.28072	0.10266	0.00162	0.00325	0.06182	0.06507	0.00325	0.01708	0.02033	—	227.057	227.057	0.00273	0.03264	0.58087	237.431
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07810	0.07102	0.06455	0.68599	0.00000	0.00000	0.15600	0.15600	0.00000	0.03657	0.03657	—	149.082	149.082	0.00441	0.00663	0.01441	151.183
Vendor	0.01105	0.00788	0.29967	0.10663	0.00162	0.00325	0.06182	0.06507	0.00325	0.01708	0.02033	—	227.340	227.340	0.00273	0.03264	0.01506	237.149
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00218	0.00198	0.00160	0.01989	0.00000	0.00000	0.00422	0.00422	0.00000	0.00099	0.00099	—	4.24071	4.24071	0.00011	0.00018	0.00658	4.30415
Vendor	0.00031	0.00023	0.00802	0.00286	0.00004	0.00009	0.00168	0.00177	0.00009	0.00046	0.00055	—	6.22396	6.22396	0.00007	0.00089	0.00687	6.49915
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00040	0.00036	0.00029	0.00363	0.00000	0.00000	0.00077	0.00077	0.00000	0.00018	0.00018	—	0.70210	0.70210	0.00002	0.00003	0.00109	0.71260
Vendor	0.00006	0.00004	0.00146	0.00052	0.00001	0.00002	0.00031	0.00032	0.00002	0.00008	0.00010	—	1.03045	1.03045	0.00001	0.00015	0.00114	1.07601
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5. Fine Grading (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63869	0.53667	4.77133	7.45217	0.01061	0.21985	—	0.21985	0.20226	—	0.20226	—	1,148.81	1,148.81	0.04660	0.00932	—	1,152.75
Dust From Material Movement	—	—	—	—	—	—	0.53025	0.53025	—	0.05725	0.05725	—	—	—	—	—	—	—
Onsite truck	0.00109	0.00085	0.01657	0.01171	0.00003	0.00003	0.60722	0.60724	0.00003	0.06062	0.06065	—	3.14969	3.14969	0.00016	0.00050	0.00332	3.30754
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02625	0.02206	0.19608	0.30625	0.00044	0.00904	—	0.00904	0.00831	—	0.00831	—	47.2114	47.2114	0.00192	0.00038	—	47.3734
Dust From Material Movement	—	—	—	—	—	—	0.02179	0.02179	—	0.00235	0.00235	—	—	—	—	—	—	—
Onsite truck	0.00004	0.00003	0.00070	0.00049	< 0.000005	< 0.000005	0.02372	0.02372	< 0.000005	0.00237	0.00237	—	0.13031	0.13031	0.00001	0.00002	0.00006	0.13672
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00479	0.00403	0.03578	0.05589	0.00008	0.00165	—	0.00165	0.00152	—	0.00152	—	7.81638	7.81638	0.00032	0.00006	—	7.84321

Dust From Material Movement	—	—	—	—	—	—	0.00398	0.00398	—	0.00043	0.00043	—	—	—	—	—	—	—
Onsite truck	0.00001	0.00001	0.00013	0.00009	< 0.000005	< 0.000005	0.00433	0.00433	< 0.000005	0.00043	0.00043	—	0.02158	0.02158	< 0.000005	< 0.000005	0.00001	0.02264
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05241	0.04870	0.03157	0.56442	0.00000	0.00000	0.09360	0.09360	0.00000	0.02194	0.02194	—	101.819	101.819	0.00185	0.00371	0.33329	103.306
Vendor	0.00239	0.00175	0.05614	0.02053	0.00032	0.00065	0.01236	0.01301	0.00065	0.00342	0.00407	—	45.4114	45.4114	0.00055	0.00653	0.11617	47.4862
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00196	0.00178	0.00144	0.01790	0.00000	0.00000	0.00380	0.00380	0.00000	0.00089	0.00089	—	3.81663	3.81663	0.00010	0.00016	0.00592	3.87373
Vendor	0.00009	0.00007	0.00241	0.00086	0.00001	0.00003	0.00050	0.00053	0.00003	0.00014	0.00017	—	1.86719	1.86719	0.00002	0.00027	0.00206	1.94974
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00036	0.00033	0.00026	0.00327	0.00000	0.00000	0.00069	0.00069	0.00000	0.00016	0.00016	—	0.63189	0.63189	0.00002	0.00003	0.00098	0.64134
Vendor	0.00002	0.00001	0.00044	0.00016	< 0.000005	< 0.000005	0.00009	0.00010	< 0.000005	0.00003	0.00003	—	0.30913	0.30913	< 0.000005	0.00004	0.00034	0.32280
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.7. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49388	0.41051	3.44822	4.23334	0.00695	0.13136	—	0.13136	0.12086	—	0.12086	—	616.241	616.241	0.02500	0.00500	—	618.356
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49388	0.41051	3.44822	4.23334	0.00695	0.13136	—	0.13136	0.12086	—	0.12086	—	616.241	616.241	0.02500	0.00500	—	618.356
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26521	0.22044	1.85164	2.27325	0.00373	0.07054	—	0.07054	0.06490	—	0.06490	—	330.913	330.913	0.01342	0.00268	—	332.049
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04840	0.04023	0.33793	0.41487	0.00068	0.01287	—	0.01287	0.01184	—	0.01184	—	54.7864	54.7864	0.00222	0.00044	—	54.9744
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.52414	0.48699	0.31567	5.64422	0.00000	0.00000	0.93602	0.93602	0.00000	0.21940	0.21940	—	1,018.19	1,018.19	0.01852	0.03714	3.33291	1,033.06
Vendor	0.06170	0.04532	1.45199	0.53099	0.00840	0.01681	0.31976	0.33657	0.01681	0.08834	0.10515	—	1,174.42	1,174.42	0.01411	0.16880	3.00445	1,228.07
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.46858	0.42614	0.38731	4.11594	0.00000	0.00000	0.93602	0.93602	0.00000	0.21940	0.21940	—	894.493	894.493	0.02646	0.03979	0.08646	907.098
Vendor	0.05714	0.04075	1.55001	0.55152	0.00840	0.01681	0.31976	0.33657	0.01681	0.08834	0.10515	—	1,175.88	1,175.88	0.01411	0.16880	0.07788	1,226.61
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25588	0.23310	0.18803	2.33903	0.00000	0.00000	0.49682	0.49682	0.00000	0.11636	0.11636	—	498.707	498.707	0.01279	0.02137	0.77375	506.167
Vendor	0.03130	0.02311	0.81351	0.29004	0.00451	0.00903	0.17003	0.17906	0.00903	0.04702	0.05605	—	630.972	630.972	0.00757	0.09064	0.69697	658.869
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04670	0.04254	0.03432	0.42687	0.00000	0.00000	0.09067	0.09067	0.00000	0.02124	0.02124	—	82.5666	82.5666	0.00212	0.00354	0.12810	83.8018
Vendor	0.00571	0.00422	0.14847	0.05293	0.00082	0.00165	0.03103	0.03268	0.00165	0.00858	0.01023	—	104.465	104.465	0.00125	0.01501	0.11539	109.083
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.9. Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.60069	0.50475	4.29709	5.94175	0.00821	0.18647	—	0.18647	0.17155	—	0.17155	—	889.064	889.064	0.03606	0.00721	—	892.115
Paving	6.98731	6.98731	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01646	0.01383	0.11773	0.16279	0.00022	0.00511	—	0.00511	0.00470	—	0.00470	—	24.3579	24.3579	0.00099	0.00020	—	24.4415
Paving	0.19143	0.19143	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00300	0.00252	0.02149	0.02971	0.00004	0.00093	—	0.00093	0.00086	—	0.00086	—	4.03273	4.03273	0.00016	0.00003	—	4.04657
Paving	0.03494	0.03494	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13977	0.12986	0.08418	1.50513	0.00000	0.00000	0.24961	0.24961	0.00000	0.05851	0.05851	—	271.518	271.518	0.00494	0.00990	0.88878	275.482
Vendor	0.02863	0.02103	0.67373	0.24639	0.00390	0.00780	0.14837	0.15617	0.00780	0.04099	0.04879	—	544.936	544.936	0.00655	0.07832	1.39408	569.835
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00348	0.00317	0.00256	0.03182	0.00000	0.00000	0.00676	0.00676	0.00000	0.00158	0.00158	—	6.78513	6.78513	0.00017	0.00029	0.01053	6.88663

Vendor	0.00074	0.00055	0.01926	0.00687	0.00011	0.00021	0.00403	0.00424	0.00021	0.00111	0.00133	—	14.9375	14.9375	0.00018	0.00215	0.01650	15.5979
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00064	0.00058	0.00047	0.00581	0.00000	0.00000	0.00123	0.00123	0.00000	0.00029	0.00029	—	1.12336	1.12336	0.00003	0.00005	0.00174	1.14016
Vendor	0.00014	0.00010	0.00351	0.00125	0.00002	0.00004	0.00073	0.00077	0.00004	0.00020	0.00024	—	2.47307	2.47307	0.00003	0.00036	0.00273	2.58242
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.11. Architectural Coating (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14557	0.12031	0.85645	1.13283	0.00173	0.02315	—	0.02315	0.02130	—	0.02130	—	133.504	133.504	0.00542	0.00108	—	133.963
Architectural Coatings	33.1469	33.1469	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02194	0.01813	0.12905	0.17070	0.00026	0.00349	—	0.00349	0.00321	—	0.00321	—	20.1171	20.1171	0.00082	0.00016	—	20.1862

Architectural	4.99475	4.99475	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00400	0.00331	0.02355	0.03115	0.00005	0.00064	—	0.00064	0.00059	—	0.00059	—	3.33062	3.33062	0.00014	0.00003	—	3.34205
Architectural Coatings	0.91154	0.91154	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08331	0.07576	0.06886	0.73176	0.00000	0.00000	0.16641	0.16641	0.00000	0.03901	0.03901	—	159.029	159.029	0.00470	0.00707	0.01537	161.270
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01277	0.01163	0.00938	0.11669	0.00000	0.00000	0.02479	0.02479	0.00000	0.00581	0.00581	—	24.8801	24.8801	0.00064	0.00107	0.03860	25.2523
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00233	0.00212	0.00171	0.02130	0.00000	0.00000	0.00452	0.00452	0.00000	0.00106	0.00106	—	4.11919	4.11919	0.00011	0.00018	0.00639	4.18081
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.13. Utility Trenching (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46593	0.39151	3.71028	5.85304	0.00798	0.11716	—	0.11716	0.10778	—	0.10778	—	863.995	863.995	0.03505	0.00701	—	866.960
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05744	0.04827	0.45743	0.72161	0.00098	0.01444	—	0.01444	0.01329	—	0.01329	—	106.520	106.520	0.00432	0.00086	—	106.885
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01048	0.00881	0.08348	0.13169	0.00018	0.00264	—	0.00264	0.00243	—	0.00243	—	17.6356	17.6356	0.00072	0.00014	—	17.6961
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.15724	0.14610	0.09470	1.69327	0.00000	0.00000	0.28081	0.28081	0.00000	0.06582	0.06582	—	305.458	305.458	0.00556	0.01114	0.99987	309.917
Vendor	0.00239	0.00175	0.05614	0.02053	0.00032	0.00065	0.01236	0.01301	0.00065	0.00342	0.00407	—	45.4114	45.4114	0.00055	0.00653	0.11617	47.4862
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01762	0.01606	0.01295	0.16111	0.00000	0.00000	0.03422	0.03422	0.00000	0.00801	0.00801	—	34.3497	34.3497	0.00088	0.00147	0.05329	34.8636
Vendor	0.00028	0.00021	0.00722	0.00257	0.00004	0.00008	0.00151	0.00159	0.00008	0.00042	0.00050	—	5.60156	5.60156	0.00007	0.00080	0.00619	5.84923
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00322	0.00293	0.00236	0.02940	0.00000	0.00000	0.00625	0.00625	0.00000	0.00146	0.00146	—	5.68699	5.68699	0.00015	0.00024	0.00882	5.77206
Vendor	0.00005	0.00004	0.00132	0.00047	0.00001	0.00001	0.00028	0.00029	0.00001	0.00008	0.00009	—	0.92740	0.92740	0.00001	0.00013	0.00102	0.96841
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.15. Finishing/Landscaping (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19385	0.16289	1.87048	3.41140	0.00494	0.05862	—	0.05862	0.05393	—	0.05393	—	535.285	535.285	0.02171	0.00434	—	537.122
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.19385	0.16289	1.87048	3.41140	0.00494	0.05862	—	0.05862	0.05393	—	0.05393	—	535.285	535.285	0.02171	0.00434	—	537.122
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.03452	0.02901	0.33310	0.60751	0.00088	0.01044	—	0.01044	0.00960	—	0.00960	—	95.3248	95.3248	0.00387	0.00077	—	95.6519
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.00630	0.00529	0.06079	0.11087	0.00016	0.00191	—	0.00191	0.00175	—	0.00175	—	15.7821	15.7821	0.00064	0.00013	—	15.8363
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17471	0.16233	0.10522	1.88141	0.00000	0.00000	0.31201	0.31201	0.00000	0.07313	0.07313	—	339.397	339.397	0.00617	0.01238	1.11097	344.352
Vendor	0.00239	0.00175	0.05614	0.02053	0.00032	0.00065	0.01236	0.01301	0.00065	0.00342	0.00407	—	45.4114	45.4114	0.00055	0.00653	0.11617	47.4862
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15619	0.14205	0.12910	1.37198	0.00000	0.00000	0.31201	0.31201	0.00000	0.07313	0.07313	—	298.164	298.164	0.00882	0.01326	0.02882	302.366
Vendor	0.00221	0.00158	0.05993	0.02133	0.00032	0.00065	0.01236	0.01301	0.00065	0.00342	0.00407	—	45.4680	45.4680	0.00055	0.00653	0.00301	47.4297
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.02829	0.02577	0.02079	0.25857	0.00000	0.00000	0.05492	0.05492	0.00000	0.01286	0.01286	—	55.1292	55.1292	0.00141	0.00236	0.08553	55.9539
Vendor	0.00040	0.00030	0.01043	0.00372	0.00006	0.00012	0.00218	0.00230	0.00012	0.00060	0.00072	—	8.09115	8.09115	0.00010	0.00116	0.00894	8.44889
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00516	0.00470	0.00379	0.04719	0.00000	0.00000	0.01002	0.01002	0.00000	0.00235	0.00235	—	9.12726	9.12726	0.00023	0.00039	0.01416	9.26380
Vendor	0.00007	0.00005	0.00190	0.00068	0.00001	0.00002	0.00040	0.00042	0.00002	0.00011	0.00013	—	1.33958	1.33958	0.00002	0.00019	0.00148	1.39881
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	3/16/2026	3/20/2026	5.00000	5.00000	—
Rough Grading	Grading	3/23/2026	4/3/2026	5.00000	10.00000	—
Fine Grading	Grading	06/08/2026	6/26/2026	5.00000	15.0000	—
Building Construction	Building Construction	3/30/2026	12/28/2026	5.00000	196.000	—
Paving	Paving	06/29/2026	7/10/2026	5.00000	10.00000	—
Architectural Coating	Architectural Coating	10/13/2026	12/28/2026	5.00000	55.0000	—

Utility Trenching	Trenching	04/06/2026	6/5/2026	5.00000	45.0000	—
Finishing/Landscaping	Trenching	07/13/2026	10/9/2026	5.00000	65.0000	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Rough Grading	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Rough Grading	Scrapers	Diesel	Average	2.00000	8.00000	423.000	0.48000
Fine Grading	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Fine Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00000	8.00000	84.0000	0.37000
Building Construction	Forklifts	Diesel	Average	2.00000	8.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Building Construction	Welders	Diesel	Average	1.000000	8.00000	46.0000	0.45000
Paving	Pavers	Diesel	Average	1.000000	8.00000	81.0000	0.42000
Paving	Rollers	Diesel	Average	2.00000	8.00000	36.0000	0.38000
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Architectural Coating	Air Compressors	Diesel	Average	1.000000	6.00000	37.0000	0.48000
Utility Trenching	Tractors/Loaders/Backhoes	Diesel	Average	2.00000	8.00000	84.0000	0.37000
Utility Trenching	Excavators	Diesel	Average	2.00000	8.00000	36.0000	0.38000
Finishing/Landscaping	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Finishing/Landscaping	Skid Steer Loaders	Diesel	Average	1.000000	8.00000	71.0000	0.37000

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	Worker	12.0000	11.0400	LDA,LDT1,LDT2
Site Preparation	Vendor	2.00000	7.37000	HHDT,MHDT
Site Preparation	Hauling	0.00000	20.0000	HHDT
Site Preparation	Onsite truck	1.000000	0.41250	HHDT
Rough Grading	Worker	20.0000	11.0400	LDA,LDT1,LDT2
Rough Grading	Vendor	10.00000	7.37000	HHDT,MHDT
Rough Grading	Hauling	0.00000	20.0000	HHDT
Rough Grading	Onsite truck	1.000000	1.65000	HHDT
Fine Grading	Worker	12.0000	11.0400	LDA,LDT1,LDT2
Fine Grading	Vendor	2.00000	7.37000	HHDT,MHDT
Fine Grading	Hauling	0.00000	20.0000	HHDT
Fine Grading	Onsite truck	1.000000	0.41250	HHDT
Building Construction	Worker	120.000	11.0400	LDA,LDT1,LDT2
Building Construction	Vendor	51.7234	7.37000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	32.0000	11.0400	LDA,LDT1,LDT2
Paving	Vendor	24.0000	7.37000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	21.3345	11.0400	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	7.37000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

Utility Trenching	Worker	36.0000	11.0400	LDA,LDT1,LDT2
Utility Trenching	Vendor	2.00000	7.37000	HHDT,MHDT
Utility Trenching	Hauling	0.00000	20.0000	HHDT
Utility Trenching	Onsite truck	—	—	HHDT
Finishing/Landscaping	Worker	40.0000	11.0400	LDA,LDT1,LDT2
Finishing/Landscaping	Vendor	2.00000	7.37000	HHDT,MHDT
Finishing/Landscaping	Hauling	0.00000	20.0000	HHDT
Finishing/Landscaping	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00000	0.00000	473,369	157,790	77,637.3

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	0.00000	0.00000	0.00000
Rough Grading	—	—	20.0000	0.00000	0.00000
Fine Grading	—	—	7.50000	0.00000	0.00000
Paving	0.00000	0.00000	0.00000	0.00000	29.7051

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Regional Shopping Center	0.00000	0%
Paving	Medical Office Building	0.00000	0%
Paving	Convenience Market with Gas Pumps	0.00000	0%
Paving	Fast Food Restaurant with Drive Thru	0.00000	0%
Paving	Automobile Care Center	0.00000	0%
Paving	Unrefrigerated Warehouse-No Rail	0.00000	0%
Paving	Parking Lot	20.2024	100%
Paving	Other Asphalt Surfaces	6.46674	100%
Paving	Other Non-Asphalt Surfaces	3.03600	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00000	203.983	0.03300	0.00400

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	20.0600	annual days of extreme heat
Extreme Precipitation	0.00000	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00000	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A

Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	93.6279
AQ-PM	99.3155
AQ-DPM	54.8102
Drinking Water	72.9986
Lead Risk Housing	7.14556
Pesticides	0.00000
Toxic Releases	39.1223
Traffic	67.1875
Effect Indicators	—
CleanUp Sites	27.4916
Groundwater	59.6048
Haz Waste Facilities/Generators	53.5142
Impaired Water Bodies	0.00000
Solid Waste	0.00000
Sensitive Population	—
Asthma	21.0867
Cardio-vascular	30.7951
Low Birth Weights	28.0729
Socioeconomic Factor Indicators	—
Education	29.6760
Housing	15.5006
Linguistic	21.4237

Poverty	22.0101
Unemployment	67.4779

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	74.07930194
Employed	65.05838573
Median HI	66.79070961
Education	—
Bachelor's or higher	57.08969588
High school enrollment	100
Preschool enrollment	17.9006801
Transportation	—
Auto Access	52.9449506
Active commuting	56.70473502
Social	—
2-parent households	19.17105094
Voting	67.22699859
Neighborhood	—
Alcohol availability	71.87219299
Park access	52.55998973
Retail density	27.37071731
Supermarket access	19.78698832
Tree canopy	9.187732581
Housing	—
Homeownership	39.93327345

Housing habitability	84.98652637
Low-inc homeowner severe housing cost burden	93.301681
Low-inc renter severe housing cost burden	84.08828436
Uncrowded housing	70.21686129
Health Outcomes	—
Insured adults	92.01847812
Arthritis	31.2
Asthma ER Admissions	73.6
High Blood Pressure	29.0
Cancer (excluding skin)	16.1
Asthma	51.9
Coronary Heart Disease	37.1
Chronic Obstructive Pulmonary Disease	50.7
Diagnosed Diabetes	80.8
Life Expectancy at Birth	53.0
Cognitively Disabled	66.4
Physically Disabled	26.6
Heart Attack ER Admissions	46.6
Mental Health Not Good	60.0
Chronic Kidney Disease	45.1
Obesity	52.4
Pedestrian Injuries	74.9
Physical Health Not Good	65.0
Stroke	45.2
Health Risk Behaviors	—
Binge Drinking	11.3
Current Smoker	53.5
No Leisure Time for Physical Activity	58.6

Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	53.3
Elderly	40.9
English Speaking	76.1
Foreign-born	16.0
Outdoor Workers	46.6
Climate Change Adaptive Capacity	—
Impervious Surface Cover	59.7
Traffic Density	56.7
Traffic Access	0.0
Other Indices	—
Hardship	35.5
Other Decision Support	—
2016 Voting	53.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	30.0000
Healthy Places Index Score for Project Location (b)	57.0000
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Land Use	Based on information provided.
Construction: Construction Phases	Based on information provided by the project applicant. See the appendix for further details.
Construction: Off-Road Equipment	Based on information provided by the project applicant. See appendix for further details.
Construction: Trips and VMT	Based on information provided by the project applicant. See appendix for further details.
Operations: Vehicle Data	Based on information provided by the project traffic consultant.
Operations: Fleet Mix	Based on information provided by the traffic consultant.
Operations: Energy Use	The estimated 935,329 kWh/yr of renewable electricity generated from onsite PV system for Phase 1 is subtracted from the Title 24 electricity default total.
Operations: Water and Waste Water	Based on the full buildout demand from the Water Supply and Demand Analysis Coffee and Rosedale Commercial Retail Development Project study prepared by PlaceWorks.

8.3. Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	acre	5.62560	5.63000
Landscape Area	sq. ft	—	520,808
Special Landscape Area	sq. ft	—	0.00000
Lot Area	acre	0.12964	0.01000
Building Area	sq. ft	5,647.00	428.000

Landscape Area	sq. ft	—	0.00000
Lot Area	acre	0.00900	20.2024
Landscape Area	sq. ft	—	0.00000

8.4. Construction

8.4.1. Construction Phases

Phase Type	Phase Name	Model Parameter	Default Value	New Value
Site Preparation	Site Preparation	Start Date	5/26/2026	3/16/2026
Site Preparation	Site Preparation	End Date	7/7/2026	3/20/2026
Site Preparation	Site Preparation	Work Days per Phase	30.0000	5.00000
Building Construction	Building Construction	Start Date	10/22/2026	3/30/2026
Building Construction	Building Construction	End Date	8/23/2029	12/28/2026
Building Construction	Building Construction	Work Days per Phase	740.000	196.000
Paving	Paving	Start Date	8/24/2029	06/29/2026
Paving	Paving	End Date	11/9/2029	7/10/2026
Paving	Paving	Work Days per Phase	55.0000	10.00000
Architectural Coating	Architectural Coating	Start Date	11/10/2029	10/13/2026
Architectural Coating	Architectural Coating	End Date	1/26/2030	12/28/2026

8.4.2. Off-Road Equipment

Phase Name	Equipment Type	Model Parameter	Default Value	New Value
Site Preparation	Tractors/Loaders/Backhoes	Number per Day	4.00000	1.000000
Rough Grading	Tractors/Loaders/Backhoes	Number per Day	2.00000	1.000000
Building Construction	Forklifts	Number per Day	3.00000	2.00000
Paving	Pavers	Number per Day	2.00000	1.000000

8.4.6. Trips and VMT

Phase Name	Trip Type	Model Parameter	Default Value	New Value
Site Preparation	Worker	One-Way Trips per Day	2.50000	12.0000
Rough Grading	Worker	One-Way Trips per Day	7.50000	20.0000
Fine Grading	Worker	One-Way Trips per Day	7.50000	12.0000
Building Construction	Worker	One-Way Trips per Day	106.672	120.000
Paving	Worker	One-Way Trips per Day	10.00000	32.0000
Utility Trenching	Worker	One-Way Trips per Day	10.00000	36.0000
Finishing/Landscaping	Worker	One-Way Trips per Day	5.00000	40.0000

LOKH-01_Construction Phase 2 Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	LOKH-01_Construction Phase 2
Construction Start Date	1/4/2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70000
Precipitation (days)	18.0000
Location	35.382244024302594, -119.09464262587437
County	Kern-San Joaquin
City	Bakersfield
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2817
EDFZ	5
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Southern California Gas
App Version	2022.1.1.37

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Regional Shopping Center	89.9520	1000sqft	1.77000	89,952.0	81,183.0	0.00000	—	—
Parking Lot	371.000	Space	4.94850	0.00000	0.00000	—	—	—

Other Asphalt Surfaces	108.717	1000sqft	2.49580	0.00000	0.00000	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	26.4736	26.3580	5.90608	14.2941	0.01461	0.17052	1.27353	1.44406	0.15732	0.30285	0.46017	—	2,770.14	2,770.14	0.07442	0.11041	4.60945	2,809.51
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.51561	5.31693	16.9627	21.7082	0.04868	0.60541	5.79485	6.40027	0.55763	0.76972	1.32735	—	6,272.93	6,272.93	0.22509	0.16637	0.13983	6,328.26
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.92392	1.86845	2.48291	4.68031	0.00608	0.07706	0.58631	0.66337	0.07106	0.11810	0.18916	—	1,015.76	1,015.76	0.03062	0.04028	0.68339	1,029.22
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.35112	0.34099	0.45313	0.85416	0.00111	0.01406	0.10700	0.12106	0.01297	0.02155	0.03452	—	168.171	168.171	0.00507	0.00667	0.11314	170.399

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	26.4736	26.3580	5.90608	14.2941	0.01461	0.17052	1.27353	1.44406	0.15732	0.30285	0.46017	—	2,770.14	2,770.14	0.07442	0.11041	4.60945	2,809.51
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	5.51561	5.31693	16.9627	21.7082	0.04868	0.60541	5.79485	6.40027	0.55763	0.76972	1.32735	—	6,272.93	6,272.93	0.22509	0.16637	0.13983	6,328.26
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.92392	1.86845	2.48291	4.68031	0.00608	0.07706	0.58631	0.66337	0.07106	0.11810	0.18916	—	1,015.76	1,015.76	0.03062	0.04028	0.68339	1,029.22
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.35112	0.34099	0.45313	0.85416	0.00111	0.01406	0.10700	0.12106	0.01297	0.02155	0.03452	—	168.171	168.171	0.00507	0.00667	0.11314	170.399

3. Construction Emissions Details

3.1. Site Preparation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11557	0.09711	0.99074	1.91149	0.00268	0.02982	—	0.02982	0.02744	—	0.02744	—	290.314	290.314	0.01178	0.00236	—	291.310
Dust From Material Movement	—	—	—	—	—	—	0.00000	0.00000	—	0.00000	0.00000	—	—	—	—	—	—	—

Onsite truck	0.00095	0.00074	0.01759	0.01206	0.00003	0.00003	0.60722	0.60724	0.00003	0.06062	0.06065	—	3.13319	3.13319	0.00016	0.00050	0.00008	3.28509
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00158	0.00133	0.01357	0.02618	0.00004	0.00041	—	0.00041	0.00038	—	0.00038	—	3.97690	3.97690	0.00016	0.00003	—	3.99055
Dust From Material Movement	—	—	—	—	—	—	0.00000	0.00000	—	0.00000	0.00000	—	—	—	—	—	—	—
Onsite truck	0.00001	0.00001	0.00023	0.00016	< 0.000005	< 0.000005	0.00791	0.00791	< 0.000005	0.00079	0.00079	—	0.04252	0.04252	< 0.000005	0.00001	0.00002	0.04462
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00029	0.00024	0.00248	0.00478	0.00001	0.00007	—	0.00007	0.00007	—	0.00007	—	0.65842	0.65842	0.00003	0.00001	—	0.66068
Dust From Material Movement	—	—	—	—	—	—	0.00000	0.00000	—	0.00000	0.00000	—	—	—	—	—	—	—
Onsite truck	< 0.000005	< 0.000005	0.00004	0.00003	< 0.000005	< 0.000005	0.00144	0.00144	< 0.000005	0.00014	0.00014	—	0.00704	0.00704	< 0.000005	< 0.000005	< 0.000005	0.00739
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04182	0.04050	0.03528	0.37844	0.00000	0.00000	0.09360	0.09360	0.00000	0.02194	0.02194	—	87.6660	87.6660	0.00238	0.00398	0.00777	88.9190
Vendor	0.00221	0.00158	0.05781	0.02054	0.00032	0.00065	0.01236	0.01301	0.00065	0.00342	0.00407	—	44.4498	44.4498	0.00055	0.00653	0.00270	46.4111
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00058	0.00056	0.00043	0.00550	0.00000	0.00000	0.00127	0.00127	0.00000	0.00030	0.00030	—	1.24680	1.24680	0.00003	0.00005	0.00177	1.26445
Vendor	0.00003	0.00002	0.00077	0.00028	< 0.000005	0.00001	0.00017	0.00018	0.00001	0.00005	0.00006	—	0.60845	0.60845	0.00001	0.00009	0.00061	0.63590
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00011	0.00010	0.00008	0.00100	0.00000	0.00000	0.00023	0.00023	0.00000	0.00005	0.00005	—	0.20642	0.20642	< 0.000005	0.00001	0.00029	0.20934
Vendor	0.00001	< 0.000005	0.00014	0.00005	< 0.000005	< 0.000005	0.00003	0.00003	< 0.000005	0.00001	0.00001	—	0.10074	0.10074	< 0.000005	0.00001	0.00010	0.10528
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3. Rough Grading (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.73998	1.46207	12.5171	12.8130	0.03766	0.48362	—	0.48362	0.44493	—	0.44493	—	4,076.91	4,076.91	0.16538	0.03308	—	4,090.90
Dust From Material Movement	—	—	—	—	—	—	2.12100	2.12100	—	0.22902	0.22902	—	—	—	—	—	—	—
Onsite truck	0.00104	0.00076	0.02168	0.01239	0.00006	0.00011	2.42886	2.42897	0.00011	0.24247	0.24258	—	7.11639	7.11639	0.00019	0.00112	0.00032	7.45621

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04767	0.04006	0.34293	0.35104	0.00103	0.01325	—	0.01325	0.01219	—	0.01219	—	111.696	111.696	0.00453	0.00091	—	112.080
Dust From Material Movement	—	—	—	—	—	—	0.05811	0.05811	—	0.00627	0.00627	—	—	—	—	—	—	—
Onsite truck	0.00003	0.00002	0.00057	0.00033	< 0.000005	< 0.000005	0.06326	0.06327	< 0.000005	0.00632	0.00632	—	0.19417	0.19417	0.00001	0.00003	0.00015	0.20362
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00870	0.00731	0.06259	0.06406	0.00019	0.00242	—	0.00242	0.00222	—	0.00222	—	18.4926	18.4926	0.00075	0.00015	—	18.5560
Dust From Material Movement	—	—	—	—	—	—	0.01061	0.01061	—	0.00115	0.00115	—	—	—	—	—	—	—
Onsite truck	0.00001	< 0.000005	0.00010	0.00006	< 0.000005	< 0.000005	0.01155	0.01155	< 0.000005	0.00115	0.00115	—	0.03215	0.03215	< 0.000005	0.00001	0.00002	0.03371
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06970	0.06750	0.05880	0.63073	0.00000	0.00000	0.15600	0.15600	0.00000	0.03657	0.03657	—	146.110	146.110	0.00397	0.00663	0.01295	148.198
Vendor	0.01105	0.00788	0.28904	0.10272	0.00162	0.00325	0.06182	0.06507	0.00325	0.01708	0.02033	—	222.249	222.249	0.00273	0.03264	0.01348	232.056
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00192	0.00187	0.00144	0.01834	0.00000	0.00000	0.00422	0.00422	0.00000	0.00099	0.00099	—	4.15599	4.15599	0.00010	0.00017	0.00589	4.21484

Vendor	0.00031	0.00023	0.00773	0.00275	0.00004	0.00009	0.00168	0.00177	0.00009	0.00046	0.00055	—	6.08449	6.08449	0.00007	0.00089	0.00615	6.35895
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00035	0.00034	0.00026	0.00335	0.00000	0.00000	0.00077	0.00077	0.00000	0.00018	0.00018	—	0.68807	0.68807	0.00002	0.00003	0.00098	0.69782
Vendor	0.00006	0.00004	0.00141	0.00050	0.00001	0.00002	0.00031	0.00032	0.00002	0.00008	0.00010	—	1.00736	1.00736	0.00001	0.00015	0.00102	1.05280
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5. Fine Grading (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.60731	0.51031	4.42585	7.46774	0.01061	0.19561	—	0.19561	0.17996	—	0.17996	—	1,149.18	1,149.18	0.04662	0.00932	—	1,153.13
Dust From Material Movement	—	—	—	—	—	—	0.53025	0.53025	—	0.05725	0.05725	—	—	—	—	—	—	—
Onsite truck	0.00095	0.00074	0.01759	0.01206	0.00003	0.00003	0.60722	0.60724	0.00003	0.06062	0.06065	—	3.13319	3.13319	0.00016	0.00050	0.00008	3.28509
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01664	0.01398	0.12126	0.20460	0.00029	0.00536	—	0.00536	0.00493	—	0.00493	—	31.4844	31.4844	0.00128	0.00026	—	31.5925

Dust From Material Movement	—	—	—	—	—	—	0.01453	0.01453	—	0.00157	0.00157	—	—	—	—	—	—	—
Onsite truck	0.00003	0.00002	0.00046	0.00032	< 0.000005	< 0.000005	0.01582	0.01582	< 0.000005	0.00158	0.00158	—	0.08504	0.08504	< 0.000005	0.00001	0.00004	0.08924
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00304	0.00255	0.02213	0.03734	0.00005	0.00098	—	0.00098	0.00090	—	0.00090	—	5.21261	5.21261	0.00021	0.00004	—	5.23049
Dust From Material Movement	—	—	—	—	—	—	0.00265	0.00265	—	0.00029	0.00029	—	—	—	—	—	—	—
Onsite truck	0.00001	< 0.000005	0.00008	0.00006	< 0.000005	< 0.000005	0.00289	0.00289	< 0.000005	0.00029	0.00029	—	0.01408	0.01408	< 0.000005	< 0.000005	0.00001	0.01477
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03485	0.03375	0.02940	0.31537	0.00000	0.00000	0.07800	0.07800	0.00000	0.01828	0.01828	—	73.0550	73.0550	0.00198	0.00332	0.00647	74.0992
Vendor	0.00221	0.00158	0.05781	0.02054	0.00032	0.00065	0.01236	0.01301	0.00065	0.00342	0.00407	—	44.4498	44.4498	0.00055	0.00653	0.00270	46.4111
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00096	0.00094	0.00072	0.00917	0.00000	0.00000	0.00211	0.00211	0.00000	0.00049	0.00049	—	2.07800	2.07800	0.00005	0.00008	0.00295	2.10742
Vendor	0.00006	0.00005	0.00155	0.00055	0.00001	0.00002	0.00034	0.00035	0.00002	0.00009	0.00011	—	1.21690	1.21690	0.00001	0.00018	0.00123	1.27179
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00018	0.00017	0.00013	0.00167	0.00000	0.00000	0.00039	0.00039	0.00000	0.00009	0.00009	—	0.34404	0.34404	0.00001	0.00001	0.00049	0.34891

Vendor	0.00001	0.00001	0.00028	0.00010	< 0.000005	< 0.000005	0.00006	0.00006	< 0.000005	0.00002	0.00002	—	0.20147	0.20147	< 0.000005	0.00003	0.00020	0.21056
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.7. Building Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46827	0.38917	3.29710	4.21359	0.00695	0.11365	—	0.11365	0.10456	—	0.10456	—	616.224	616.224	0.02500	0.00500	—	618.338
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46827	0.38917	3.29710	4.21359	0.00695	0.11365	—	0.11365	0.10456	—	0.10456	—	616.224	616.224	0.02500	0.00500	—	618.338
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17319	0.14394	1.21948	1.55845	0.00257	0.04203	—	0.04203	0.03867	—	0.03867	—	227.918	227.918	0.00925	0.00185	—	228.700
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.03161	0.02627	0.22255	0.28442	0.00047	0.00767	—	0.00767	0.00706	—	0.00706	—	37.7345	37.7345	0.00153	0.00031	—	37.8640
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.46583	0.45789	0.28117	5.20104	0.00000	0.00000	0.93602	0.93602	0.00000	0.21940	0.21940	—	997.619	997.619	0.01852	0.03714	2.99043	1,012.14
Vendor	0.01726	0.01292	0.40027	0.14526	0.00240	0.00479	0.09114	0.09593	0.00479	0.02518	0.02997	—	327.244	327.244	0.00402	0.04811	0.76732	342.450
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.41821	0.40498	0.35281	3.78440	0.00000	0.00000	0.93602	0.93602	0.00000	0.21940	0.21940	—	876.660	876.660	0.02381	0.03979	0.07768	889.190
Vendor	0.01629	0.01162	0.42614	0.15144	0.00240	0.00479	0.09114	0.09593	0.00479	0.02518	0.02997	—	327.664	327.664	0.00402	0.04811	0.01987	342.123
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15566	0.15174	0.11675	1.48547	0.00000	0.00000	0.34220	0.34220	0.00000	0.08015	0.08015	—	336.635	336.635	0.00783	0.01374	0.47733	341.402
Vendor	0.00614	0.00454	0.15392	0.05481	0.00089	0.00177	0.03338	0.03515	0.00177	0.00923	0.01100	—	121.101	121.101	0.00149	0.01780	0.12239	126.564
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02841	0.02769	0.02131	0.27110	0.00000	0.00000	0.06245	0.06245	0.00000	0.01463	0.01463	—	55.7338	55.7338	0.00130	0.00227	0.07903	56.5230
Vendor	0.00112	0.00083	0.02809	0.01000	0.00016	0.00032	0.00609	0.00642	0.00032	0.00168	0.00201	—	20.0497	20.0497	0.00025	0.00295	0.02026	20.9541
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.9. Paving (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.58283	0.48974	4.18675	5.95548	0.00821	0.17194	—	0.17194	0.15818	—	0.15818	—	889.119	889.119	0.03607	0.00721	—	892.171
Paving	3.90081	3.90081	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00798	0.00671	0.05735	0.08158	0.00011	0.00236	—	0.00236	0.00217	—	0.00217	—	12.1797	12.1797	0.00049	0.00010	—	12.2215
Paving	0.05344	0.05344	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00146	0.00122	0.01047	0.01489	0.00002	0.00043	—	0.00043	0.00040	—	0.00040	—	2.01649	2.01649	0.00008	0.00002	—	2.02341
Paving	0.00975	0.00975	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11152	0.10799	0.09408	1.00917	0.00000	0.00000	0.24961	0.24961	0.00000	0.05851	0.05851	—	233.776	233.776	0.00635	0.01061	0.02072	237.117
Vendor	0.01768	0.01261	0.46247	0.16435	0.00260	0.00520	0.09891	0.10411	0.00520	0.02733	0.03253	—	355.598	355.598	0.00436	0.05222	0.02156	371.289
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00154	0.00150	0.00115	0.01467	0.00000	0.00000	0.00338	0.00338	0.00000	0.00079	0.00079	—	3.32479	3.32479	0.00008	0.00014	0.00471	3.37187
Vendor	0.00025	0.00018	0.00619	0.00220	0.00004	0.00007	0.00134	0.00141	0.00007	0.00037	0.00044	—	4.86759	4.86759	0.00006	0.00072	0.00492	5.08716
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00028	0.00027	0.00021	0.00268	0.00000	0.00000	0.00062	0.00062	0.00000	0.00014	0.00014	—	0.55046	0.55046	0.00001	0.00002	0.00078	0.55825
Vendor	0.00005	0.00003	0.00113	0.00040	0.00001	0.00001	0.00024	0.00026	0.00001	0.00007	0.00008	—	0.80589	0.80589	0.00001	0.00012	0.00081	0.84224
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.11. Architectural Coating (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13715	0.11335	0.83116	1.12539	0.00173	0.01905	—	0.01905	0.01752	—	0.01752	—	133.513	133.513	0.00542	0.00108	—	133.971
Architectural Coatings	25.3627	25.3627	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00752	0.00621	0.04554	0.06167	0.00009	0.00104	—	0.00104	0.00096	—	0.00096	—	7.31577	7.31577	0.00030	0.00006	—	7.34087
Architectural Coatings	1.38974	1.38974	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00137	0.00113	0.00831	0.01125	0.00002	0.00019	—	0.00019	0.00018	—	0.00018	—	1.21121	1.21121	0.00005	0.00001	—	1.21537
Architectural Coatings	0.25363	0.25363	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02235	0.02197	0.01349	0.24952	0.00000	0.00000	0.04491	0.04491	0.00000	0.01053	0.01053	—	47.8602	47.8602	0.00089	0.00178	0.14346	48.5569
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00111	0.00108	0.00083	0.01056	0.00000	0.00000	0.00243	0.00243	0.00000	0.00057	0.00057	—	2.39257	2.39257	0.00006	0.00010	0.00339	2.42645
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00020	0.00020	0.00015	0.00193	0.00000	0.00000	0.00044	0.00044	0.00000	0.00010	0.00010	—	0.39612	0.39612	0.00001	0.00002	0.00056	0.40173
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.13. Utility Trenching (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44828	0.37668	3.60621	5.85759	0.00798	0.10249	—	0.10249	0.09429	—	0.09429	—	864.074	864.074	0.03505	0.00701	—	867.039
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.02456	0.02064	0.19760	0.32096	0.00044	0.00562	—	0.00562	0.00517	—	0.00517	—	47.3465	47.3465	0.00192	0.00038	—	47.5090
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00448	0.00377	0.03606	0.05858	0.00008	0.00102	—	0.00102	0.00094	—	0.00094	—	7.83876	7.83876	0.00032	0.00006	—	7.86566
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08364	0.08100	0.07056	0.75688	0.00000	0.00000	0.18720	0.18720	0.00000	0.04388	0.04388	—	175.332	175.332	0.00476	0.00796	0.01554	177.838
Vendor	0.00221	0.00158	0.05781	0.02054	0.00032	0.00065	0.01236	0.01301	0.00065	0.00342	0.00407	—	44.4498	44.4498	0.00055	0.00653	0.00270	46.4111
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00461	0.00450	0.00346	0.04401	0.00000	0.00000	0.01014	0.01014	0.00000	0.00237	0.00237	—	9.97438	9.97438	0.00023	0.00041	0.01414	10.1156
Vendor	0.00012	0.00009	0.00309	0.00110	0.00002	0.00004	0.00067	0.00071	0.00004	0.00019	0.00022	—	2.43380	2.43380	0.00003	0.00036	0.00246	2.54358
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00084	0.00082	0.00063	0.00803	0.00000	0.00000	0.00185	0.00185	0.00000	0.00043	0.00043	—	1.65137	1.65137	0.00004	0.00007	0.00234	1.67476
Vendor	0.00002	0.00002	0.00056	0.00020	< 0.000005	0.00001	0.00012	0.00013	0.00001	0.00003	0.00004	—	0.40294	0.40294	< 0.000005	0.00006	0.00041	0.42112
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.15. Finishing & Landscaping (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18697	0.15710	1.80295	3.41423	0.00494	0.05143	—	0.05143	0.04732	—	0.04732	—	535.252	535.252	0.02171	0.00434	—	537.089
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18697	0.15710	1.80295	3.41423	0.00494	0.05143	—	0.05143	0.04732	—	0.04732	—	535.252	535.252	0.02171	0.00434	—	537.089
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01793	0.01506	0.17289	0.32739	0.00047	0.00493	—	0.00493	0.00454	—	0.00454	—	51.3256	51.3256	0.00208	0.00042	—	51.5017
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00327	0.00275	0.03155	0.05975	0.00009	0.00090	—	0.00090	0.00083	—	0.00083	—	8.49753	8.49753	0.00034	0.00007	—	8.52670

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11646	0.11447	0.07029	1.30026	0.00000	0.00000	0.23401	0.23401	0.00000	0.05485	0.05485	—	249.405	249.405	0.00463	0.00929	0.74761	253.035
Vendor	0.00234	0.00175	0.05430	0.01971	0.00032	0.00065	0.01236	0.01301	0.00065	0.00342	0.00407	—	44.3927	44.3927	0.00055	0.00653	0.10409	46.4555
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10455	0.10125	0.08820	0.94610	0.00000	0.00000	0.23401	0.23401	0.00000	0.05485	0.05485	—	219.165	219.165	0.00595	0.00995	0.01942	222.298
Vendor	0.00221	0.00158	0.05781	0.02054	0.00032	0.00065	0.01236	0.01301	0.00065	0.00342	0.00407	—	44.4498	44.4498	0.00055	0.00653	0.00270	46.4111
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01009	0.00984	0.00757	0.09628	0.00000	0.00000	0.02218	0.02218	0.00000	0.00519	0.00519	—	21.8190	21.8190	0.00051	0.00089	0.03094	22.1279
Vendor	0.00022	0.00016	0.00541	0.00193	0.00003	0.00006	0.00117	0.00124	0.00006	0.00032	0.00039	—	4.25914	4.25914	0.00005	0.00063	0.00430	4.45127
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00184	0.00179	0.00138	0.01757	0.00000	0.00000	0.00405	0.00405	0.00000	0.00095	0.00095	—	3.61238	3.61238	0.00008	0.00015	0.00512	3.66353
Vendor	0.00004	0.00003	0.00099	0.00035	0.00001	0.00001	0.00021	0.00023	0.00001	0.00006	0.00007	—	0.70515	0.70515	0.00001	0.00010	0.00071	0.73696
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetati	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	1/4/2027	1/8/2027	5.00000	5.00000	—
Rough Grading	Grading	1/11/2027	1/22/2027	5.00000	10.00000	—
Fine Grading	Grading	02/22/2027	3/5/2027	5.00000	10.00000	—
Building Construction	Building Construction	01/18/2027	7/23/2027	5.00000	135.000	—
Paving	Paving	03/08/2027	3/12/2027	5.00000	5.00000	—
Architectural Coating	Architectural Coating	06/28/2027	7/23/2027	5.00000	20.0000	—
Utility Trenching	Trenching	01/25/2027	2/19/2027	5.00000	20.0000	—
Finishing & Landscaping	Trenching	03/15/2027	4/30/2027	5.00000	35.0000	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Rough Grading	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Rough Grading	Scrapers	Diesel	Average	2.00000	8.00000	423.000	0.48000
Fine Grading	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Fine Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00000	8.00000	84.0000	0.37000
Building Construction	Forklifts	Diesel	Average	2.00000	8.00000	82.0000	0.20000

Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Building Construction	Welders	Diesel	Average	1.000000	8.00000	46.0000	0.45000
Paving	Pavers	Diesel	Average	1.000000	8.00000	81.0000	0.42000
Paving	Rollers	Diesel	Average	2.00000	8.00000	36.0000	0.38000
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Architectural Coating	Air Compressors	Diesel	Average	1.000000	6.00000	37.0000	0.48000
Utility Trenching	Tractors/Loaders/Backhoes	Diesel	Average	2.00000	8.00000	84.0000	0.37000
Utility Trenching	Excavators	Diesel	Average	2.00000	8.00000	36.0000	0.38000
Finishing & Landscaping	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Finishing & Landscaping	Skid Steer Loaders	Diesel	Average	1.000000	8.00000	71.0000	0.37000

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	Worker	12.0000	11.0400	LDA,LDT1,LDT2
Site Preparation	Vendor	2.00000	7.37000	HHDT,MHDT
Site Preparation	Hauling	0.00000	20.0000	HHDT
Site Preparation	Onsite truck	1.000000	0.41250	HHDT
Rough Grading	Worker	20.0000	11.0400	LDA,LDT1,LDT2
Rough Grading	Vendor	10.00000	7.37000	HHDT,MHDT
Rough Grading	Hauling	0.00000	20.0000	HHDT
Rough Grading	Onsite truck	1.000000	1.65000	HHDT
Fine Grading	Worker	10.00000	11.0400	LDA,LDT1,LDT2
Fine Grading	Vendor	2.00000	7.37000	HHDT,MHDT
Fine Grading	Hauling	0.00000	20.0000	HHDT

Fine Grading	Onsite truck	1.000000	0.41250	HHDT
Building Construction	Worker	120.000	11.0400	LDA,LDT1,LDT2
Building Construction	Vendor	14.7431	7.37000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	32.0000	11.0400	LDA,LDT1,LDT2
Paving	Vendor	16.0000	7.37000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	5.75693	11.0400	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	7.37000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Utility Trenching	Worker	24.0000	11.0400	LDA,LDT1,LDT2
Utility Trenching	Vendor	2.00000	7.37000	HHDT,MHDT
Utility Trenching	Hauling	0.00000	20.0000	HHDT
Utility Trenching	Onsite truck	—	—	HHDT
Finishing & Landscaping	Worker	30.0000	11.0400	LDA,LDT1,LDT2
Finishing & Landscaping	Vendor	2.00000	7.37000	HHDT,MHDT
Finishing & Landscaping	Hauling	0.00000	20.0000	HHDT
Finishing & Landscaping	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00000	0.00000	134,928	44,976.0	19,456.4

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	0.00000	0.00000	0.00000
Rough Grading	—	—	20.0000	0.00000	0.00000
Fine Grading	—	—	5.00000	0.00000	0.00000
Paving	0.00000	0.00000	0.00000	0.00000	7.44430

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Regional Shopping Center	0.00000	0%
Paving	Parking Lot	4.94850	100%
Paving	Other Asphalt Surfaces	2.49580	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2027	0.00000	203.983	0.03300	0.00400

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	20.0600	annual days of extreme heat
Extreme Precipitation	0.00000	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00000	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	1	1	1	2
Drought	1	1	1	2

Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	93.6279
AQ-PM	99.3155
AQ-DPM	54.8102
Drinking Water	72.9986
Lead Risk Housing	7.14556
Pesticides	0.00000
Toxic Releases	39.1223
Traffic	67.1875
Effect Indicators	—
CleanUp Sites	27.4916
Groundwater	59.6048
Haz Waste Facilities/Generators	53.5142
Impaired Water Bodies	0.00000
Solid Waste	0.00000

Sensitive Population	—
Asthma	21.0867
Cardio-vascular	30.7951
Low Birth Weights	28.0729
Socioeconomic Factor Indicators	—
Education	29.6760
Housing	15.5006
Linguistic	21.4237
Poverty	22.0101
Unemployment	67.4779

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	74.07930194
Employed	65.05838573
Median HI	66.79070961
Education	—
Bachelor's or higher	57.08969588
High school enrollment	100
Preschool enrollment	17.9006801
Transportation	—
Auto Access	52.9449506
Active commuting	56.70473502
Social	—
2-parent households	19.17105094
Voting	67.22699859

Neighborhood	—
Alcohol availability	71.87219299
Park access	52.55998973
Retail density	27.37071731
Supermarket access	19.78698832
Tree canopy	9.187732581
Housing	—
Homeownership	39.93327345
Housing habitability	84.98652637
Low-inc homeowner severe housing cost burden	93.301681
Low-inc renter severe housing cost burden	84.08828436
Uncrowded housing	70.21686129
Health Outcomes	—
Insured adults	92.01847812
Arthritis	31.2
Asthma ER Admissions	73.6
High Blood Pressure	29.0
Cancer (excluding skin)	16.1
Asthma	51.9
Coronary Heart Disease	37.1
Chronic Obstructive Pulmonary Disease	50.7
Diagnosed Diabetes	80.8
Life Expectancy at Birth	53.0
Cognitively Disabled	66.4
Physically Disabled	26.6
Heart Attack ER Admissions	46.6
Mental Health Not Good	60.0
Chronic Kidney Disease	45.1

Obesity	52.4
Pedestrian Injuries	74.9
Physical Health Not Good	65.0
Stroke	45.2
Health Risk Behaviors	—
Binge Drinking	11.3
Current Smoker	53.5
No Leisure Time for Physical Activity	58.6
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	53.3
Elderly	40.9
English Speaking	76.1
Foreign-born	16.0
Outdoor Workers	46.6
Climate Change Adaptive Capacity	—
Impervious Surface Cover	59.7
Traffic Density	56.7
Traffic Access	0.0
Other Indices	—
Hardship	35.5
Other Decision Support	—
2016 Voting	53.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	30.0000

Healthy Places Index Score for Project Location (b)	57.0000
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Land Use	Based on information provided.
Construction: Construction Phases	Based on information provided by the project applicant. See appendix for further details.
Construction: Off-Road Equipment	Based on information provided by the project applicant. Please see appendix for further details.
Construction: Trips and VMT	Based on information provided by the project applicant. See appendix for further details.
Operations: Vehicle Data	Based on information provided by the project traffic consultant.
Operations: Fleet Mix	Based on information provided by the traffic consultant.
Operations: Energy Use	The estimated 266,604 kWh/yr of renewable electricity generated from onsite PV system for Phase 2 is subtracted from the Title 24 electricity default total.
Operations: Water and Waste Water	Based on the full buildout demand from the Water Supply and Demand Analysis Coffee and Rosedale Commercial Retail Development Project study prepared by PlaceWorks.

8.3. Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	acre	2.06501	1.77000
Landscape Area	sq. ft	—	81,183.0
Special Landscape Area	sq. ft	—	0.00000
Lot Area	acre	3.33900	4.94850
Landscape Area	sq. ft	—	0.00000

8.4. Construction

8.4.1. Construction Phases

Phase Type	Phase Name	Model Parameter	Default Value	New Value
Site Preparation	Site Preparation	Start Date	2/2/2027	1/4/2027
Site Preparation	Site Preparation	End Date	2/16/2027	1/8/2027
Site Preparation	Site Preparation	Work Days per Phase	10.00000	5.00000
Building Construction	Building Construction	Start Date	3/18/2027	01/18/2027
Building Construction	Building Construction	End Date	2/3/2028	7/23/2027
Building Construction	Building Construction	Work Days per Phase	230.000	135.000
Paving	Paving	Start Date	2/4/2028	03/08/2027
Paving	Paving	End Date	3/3/2028	3/12/2027
Paving	Paving	Work Days per Phase	20.0000	5.00000
Architectural Coating	Architectural Coating	Start Date	3/4/2028	06/28/2027
Architectural Coating	Architectural Coating	End Date	4/1/2028	7/23/2027

8.4.2. Off-Road Equipment

Phase Name	Equipment Type	Model Parameter	Default Value	New Value
Site Preparation	Tractors/Loaders/Backhoes	Number per Day	4.00000	1.000000

Rough Grading	Tractors/Loaders/Backhoes	Number per Day	3.00000	1.000000
Fine Grading	Tractors/Loaders/Backhoes	Number per Day	3.00000	2.00000
Building Construction	Forklifts	Number per Day	3.00000	2.00000
Paving	Pavers	Number per Day	2.00000	1.000000

8.4.6. Trips and VMT

Phase Name	Trip Type	Model Parameter	Default Value	New Value
Site Preparation	Worker	One-Way Trips per Day	2.50000	12.0000
Rough Grading	Worker	One-Way Trips per Day	7.50000	20.0000
Fine Grading	Worker	One-Way Trips per Day	7.50000	10.00000
Building Construction	Worker	One-Way Trips per Day	28.7846	120.000
Paving	Worker	One-Way Trips per Day	10.00000	32.0000
Utility Trenching	Worker	One-Way Trips per Day	10.00000	24.0000
Finishing & Landscaping	Worker	One-Way Trips per Day	5.00000	30.0000

Construction - Traffic Signal Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Construction - Traffic Signal
Construction Start Date	7/6/2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70000
Precipitation (days)	18.0000
Location	35.380426247940335, -119.09203546194102
County	Kern-San Joaquin
City	Bakersfield
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2802
EDFZ	5
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Southern California Gas
App Version	2022.1.1.37

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Other Non-Asphalt Surfaces	410.000	1000sqft	9.41230	0.00000	0.00000	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.09622	0.08432	0.43134	1.42825	0.00138	0.01506	0.16446	0.17583	0.01393	0.03929	0.04983	—	309.829	309.829	0.00607	0.01531	0.68936	315.232
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.00853	0.00732	0.04773	0.09615	0.00015	0.00145	0.01252	0.01397	0.00134	0.00301	0.00436	—	27.7971	27.7971	0.00066	0.00151	0.02441	28.2869
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.00156	0.00134	0.00871	0.01755	0.00003	0.00026	0.00229	0.00255	0.00024	0.00055	0.00079	—	4.60212	4.60212	0.00011	0.00025	0.00404	4.68322

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.09622	0.08432	0.43134	1.42825	0.00138	0.01506	0.16446	0.17583	0.01393	0.03929	0.04983	—	309.829	309.829	0.00607	0.01531	0.68936	315.232
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2026	0.00853	0.00732	0.04773	0.09615	0.00015	0.00145	0.01252	0.01397	0.00134	0.00301	0.00436	—	27.7971	27.7971	0.00066	0.00151	0.02441	28.2869
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.00156	0.00134	0.00871	0.01755	0.00003	0.00026	0.00229	0.00255	0.00024	0.00055	0.00079	—	4.60212	4.60212	0.00011	0.00025	0.00404	4.68322

3. Construction Emissions Details

3.1. Utility Trenching (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03602	0.03027	0.30994	0.57244	0.00080	0.01044	—	0.01044	0.00960	—	0.00960	—	87.1088	87.1088	0.00353	0.00071	—	87.4078
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00197	0.00166	0.01698	0.03137	0.00004	0.00057	—	0.00057	0.00053	—	0.00053	—	4.77309	4.77309	0.00019	0.00004	—	4.78947
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.00036	0.00030	0.00310	0.00572	0.00001	0.00010	—	0.00010	0.00010	—	0.00010	—	0.79024	0.79024	0.00003	0.00001	—	0.79295
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05738	0.05201	0.04482	0.83271	0.00000	0.00000	0.14668	0.14668	0.00000	0.03438	0.03438	—	158.382	158.382	0.00185	0.00537	0.52228	160.551
Vendor	0.00281	0.00204	0.07167	0.02310	0.00047	0.00093	0.01778	0.01872	0.00093	0.00491	0.00585	—	64.3378	64.3378	0.00069	0.00923	0.16709	67.2735
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00288	0.00256	0.00274	0.03403	0.00000	0.00000	0.00794	0.00794	0.00000	0.00186	0.00186	—	7.90914	7.90914	0.00013	0.00031	0.01237	8.01678
Vendor	0.00015	0.00011	0.00411	0.00128	0.00003	0.00005	0.00096	0.00102	0.00005	0.00027	0.00032	—	3.52664	3.52664	0.00004	0.00051	0.00396	3.68230
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00053	0.00047	0.00050	0.00621	0.00000	0.00000	0.00145	0.00145	0.00000	0.00034	0.00034	—	1.30945	1.30945	0.00002	0.00005	0.00205	1.32727
Vendor	0.00003	0.00002	0.00075	0.00023	< 0.000005	0.00001	0.00018	0.00019	0.00001	0.00005	0.00006	—	0.58388	0.58388	0.00001	0.00008	0.00065	0.60965
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3. Traffic Signal Install (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04414	0.03709	0.34473	0.30731	0.00091	0.01413	—	0.01413	0.01300	—	0.01300	—	99.0099	99.0099	0.00402	0.00080	—	99.3496
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00242	0.00203	0.01889	0.01684	0.00005	0.00077	—	0.00077	0.00071	—	0.00071	—	5.42520	5.42520	0.00022	0.00004	—	5.44382
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00044	0.00037	0.00345	0.00307	0.00001	0.00014	—	0.00014	0.00013	—	0.00013	—	0.89820	0.89820	0.00004	0.00001	—	0.90129
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01913	0.01734	0.01494	0.27757	0.00000	0.00000	0.04889	0.04889	0.00000	0.01146	0.01146	—	52.7940	52.7940	0.00062	0.00179	0.17409	53.5170
Vendor	0.00281	0.00204	0.07167	0.02310	0.00047	0.00093	0.01778	0.01872	0.00093	0.00491	0.00585	—	64.3378	64.3378	0.00069	0.00923	0.16709	67.2735
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00096	0.00085	0.00091	0.01134	0.00000	0.00000	0.00265	0.00265	0.00000	0.00062	0.00062	—	2.63638	2.63638	0.00004	0.00010	0.00412	2.67226
Vendor	0.00015	0.00011	0.00411	0.00128	0.00003	0.00005	0.00096	0.00102	0.00005	0.00027	0.00032	—	3.52664	3.52664	0.00004	0.00051	0.00396	3.68230
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00018	0.00016	0.00017	0.00207	0.00000	0.00000	0.00048	0.00048	0.00000	0.00011	0.00011	—	0.43648	0.43648	0.00001	0.00002	0.00068	0.44242
Vendor	0.00003	0.00002	0.00075	0.00023	< 0.000005	0.00001	0.00018	0.00019	0.00001	0.00005	0.00006	—	0.58388	0.58388	0.00001	0.00008	0.00065	0.60965
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Utility Trenching	Trenching	7/6/2026	7/31/2026	5.00000	20.0000	—
Traffic Signal Install	Trenching	8/17/2026	9/11/2026	5.00000	20.0000	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Utility Trenching	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	2.40000	84.0000	0.37000
Traffic Signal Install	Cranes	Diesel	Average	1.000000	0.80000	367.000	0.29000

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Utility Trenching	Worker	12.0000	17.3000	LDA,LDT1,LDT2
Utility Trenching	Vendor	2.00000	10.6000	HHDT,MHDT
Utility Trenching	Hauling	0.00000	20.0000	HHDT
Utility Trenching	Onsite truck	—	—	HHDT
Traffic Signal Install	Worker	4.00000	17.3000	LDA,LDT1,LDT2
Traffic Signal Install	Vendor	2.00000	10.6000	HHDT,MHDT
Traffic Signal Install	Hauling	0.00000	20.0000	HHDT
Traffic Signal Install	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00000	203.983	0.03300	0.00400

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	20.0600	annual days of extreme heat
Extreme Precipitation	0.00000	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00000	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	93.6279

AQ-PM	99.5271
AQ-DPM	80.5227
Drinking Water	66.2920
Lead Risk Housing	5.05356
Pesticides	0.00000
Toxic Releases	44.9862
Traffic	78.2000
Effect Indicators	—
CleanUp Sites	84.6025
Groundwater	94.1391
Haz Waste Facilities/Generators	97.6572
Impaired Water Bodies	0.00000
Solid Waste	0.00000
Sensitive Population	—
Asthma	82.3529
Cardio-vascular	88.9955
Low Birth Weights	90.5953
Socioeconomic Factor Indicators	—
Education	14.1736
Housing	28.2383
Linguistic	—
Poverty	44.4095
Unemployment	66.6059

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—

Above Poverty	69.35711536
Employed	52.13653279
Median HI	67.9455922
Education	—
Bachelor's or higher	44.83510843
High school enrollment	8.995252149
Preschool enrollment	17.59271141
Transportation	—
Auto Access	84.51174131
Active commuting	5.543436417
Social	—
2-parent households	99.56371102
Voting	86.60336199
Neighborhood	—
Alcohol availability	82.79224945
Park access	25.7153856
Retail density	36.96907481
Supermarket access	10.45810343
Tree canopy	33.23495445
Housing	—
Homeownership	92.7242397
Housing habitability	98.08802772
Low-inc homeowner severe housing cost burden	59.11715642
Low-inc renter severe housing cost burden	99.08892596
Uncrowded housing	78.31387142
Health Outcomes	—
Insured adults	79.19928141
Arthritis	30.2

Asthma ER Admissions	14.3
High Blood Pressure	31.6
Cancer (excluding skin)	22.7
Asthma	46.1
Coronary Heart Disease	43.7
Chronic Obstructive Pulmonary Disease	37.6
Diagnosed Diabetes	73.9
Life Expectancy at Birth	14.8
Cognitively Disabled	38.1
Physically Disabled	42.3
Heart Attack ER Admissions	12.8
Mental Health Not Good	52.8
Chronic Kidney Disease	55.3
Obesity	37.0
Pedestrian Injuries	59.0
Physical Health Not Good	60.5
Stroke	58.2
Health Risk Behaviors	—
Binge Drinking	7.5
Current Smoker	39.2
No Leisure Time for Physical Activity	59.9
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	36.4
Elderly	42.6
English Speaking	94.0
Foreign-born	7.2

Outdoor Workers	39.4
Climate Change Adaptive Capacity	—
Impervious Surface Cover	55.3
Traffic Density	67.6
Traffic Access	0.0
Other Indices	—
Hardship	26.1
Other Decision Support	—
2016 Voting	69.4

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	83.0000
Healthy Places Index Score for Project Location (b)	56.0000
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Construction: Construction Phases	Based on information provided by the project application. See appendix for further details.
Construction: Off-Road Equipment	Based on information provided by the project applicant. See appendix for further information.
Construction: Trips and VMT	Based on information provided by the project applicant. See appendix for further details.

8.4. Construction

8.4.2. Off-Road Equipment

Phase Name	Equipment Type	Model Parameter	Default Value	New Value
Utility Trenching	Tractors/Loaders/Backhoes	Hours Per Day	8.00000	2.40000

8.4.6. Trips and VMT

Phase Name	Trip Type	Model Parameter	Default Value	New Value
Utility Trenching	Worker	One-Way Trips per Day	2.50000	12.0000
Traffic Signal Install	Worker	One-Way Trips per Day	2.50000	4.00000

Construction Left Turn Lane Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Construction Left Turn Lane
Construction Start Date	06/08/2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70000
Precipitation (days)	18.0000
Location	35.38306245338788, -119.09454120195048
County	Kern-San Joaquin
City	Bakersfield
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2817
EDFZ	5
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Southern California Gas
App Version	2022.1.1.37

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Other Asphalt Surfaces	8.30500	1000sqft	0.19066	0.00000	0.00000	0.00000	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.48941	2.46167	7.99036	6.21100	0.01962	0.45698	3.09551	3.20962	0.42063	0.53926	0.64729	—	2,697.82	2,697.82	0.05814	0.32102	4.85275	2,799.49
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.03809	0.03312	0.25010	0.30012	0.00066	0.01015	0.04849	0.05864	0.00939	0.00887	0.01826	—	84.5990	84.5990	0.00236	0.00563	0.04168	86.3773
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.00695	0.00604	0.04564	0.05477	0.00012	0.00185	0.00885	0.01070	0.00171	0.00162	0.00333	—	14.0063	14.0063	0.00039	0.00093	0.00690	14.3007

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	2.48941	2.46167	7.99036	6.21100	0.01962	0.45698	3.09551	3.20962	0.42063	0.53926	0.64729	—	2,697.82	2,697.82	0.05814	0.32102	4.85275	2,799.49
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2026	0.03809	0.03312	0.25010	0.30012	0.00066	0.01015	0.04849	0.05864	0.00939	0.00887	0.01826	—	84.5990	84.5990	0.00236	0.00563	0.04168	86.3773
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.00695	0.00604	0.04564	0.05477	0.00012	0.00185	0.00885	0.01070	0.00171	0.00162	0.00333	—	14.0063	14.0063	0.00039	0.00093	0.00690	14.3007

3. Construction Emissions Details

3.1. Demolition (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25389	0.21334	2.38706	4.36548	0.00629	0.07601	—	0.07601	0.06993	—	0.06993	—	680.467	680.467	0.02760	0.00552	—	682.802
Demolition	—	—	—	—	—	—	2.49916	2.49916	—	0.37844	0.37844	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00348	0.00292	0.03270	0.05980	0.00009	0.00104	—	0.00104	0.00096	—	0.00096	—	9.32146	9.32146	0.00038	0.00008	—	9.35345
Demolition	—	—	—	—	—	—	0.03424	0.03424	—	0.00518	0.00518	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00063	0.00053	0.00597	0.01091	0.00002	0.00019	—	0.00019	0.00017	—	0.00017	—	1.54327	1.54327	0.00006	0.00001	—	1.54857
Demolition	—	—	—	—	—	—	0.00625	0.00625	—	0.00095	0.00095	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03494	0.03247	0.02104	0.37628	0.00000	0.00000	0.06240	0.06240	0.00000	0.01463	0.01463	—	67.8795	67.8795	0.00123	0.00248	0.22219	68.8705
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.06857	0.03683	2.26797	0.49906	0.01333	0.03810	0.53395	0.57205	0.03810	0.14619	0.18428	—	1,949.48	1,949.48	0.01714	0.31302	4.63055	2,047.82
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00044	0.00040	0.00032	0.00398	0.00000	0.00000	0.00084	0.00084	0.00000	0.00020	0.00020	—	0.84814	0.84814	0.00002	0.00004	0.00132	0.86083
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00092	0.00048	0.03246	0.00690	0.00018	0.00052	0.00725	0.00777	0.00052	0.00199	0.00251	—	26.7136	26.7136	0.00023	0.00429	0.02736	28.0246
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00008	0.00007	0.00006	0.00073	0.00000	0.00000	0.00015	0.00015	0.00000	0.00004	0.00004	—	0.14042	0.14042	< 0.000005	0.00001	0.00022	0.14252
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00017	0.00009	0.00592	0.00126	0.00003	0.00010	0.00132	0.00142	0.00010	0.00036	0.00046	—	4.42274	4.42274	0.00004	0.00071	0.00453	4.63980

3.3. Site Preparation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19385	0.16289	1.87048	3.41140	0.00494	0.05862	—	0.05862	0.05393	—	0.05393	—	535.285	535.285	0.02171	0.00434	—	537.122
Dust From Material Movement	—	—	—	—	—	—	0.00000	0.00000	—	0.00000	0.00000	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00266	0.00223	0.02562	0.04673	0.00007	0.00080	—	0.00080	0.00074	—	0.00074	—	7.33268	7.33268	0.00030	0.00006	—	7.35784
Dust From Material Movement	—	—	—	—	—	—	0.00000	0.00000	—	0.00000	0.00000	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00048	0.00041	0.00468	0.00853	0.00001	0.00015	—	0.00015	0.00013	—	0.00013	—	1.21401	1.21401	0.00005	0.00001	—	1.21817

Dust From Material Movement	—	—	—	—	—	—	0.00000	0.00000	—	0.00000	0.00000	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03494	0.03247	0.02104	0.37628	0.00000	0.00000	0.06240	0.06240	0.00000	0.01463	0.01463	—	67.8795	67.8795	0.00123	0.00248	0.22219	68.8705
Vendor	0.00239	0.00175	0.05614	0.02053	0.00032	0.00065	0.01236	0.01301	0.00065	0.00342	0.00407	—	45.4114	45.4114	0.00055	0.00653	0.11617	47.4862
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00044	0.00040	0.00032	0.00398	0.00000	0.00000	0.00084	0.00084	0.00000	0.00020	0.00020	—	0.84814	0.84814	0.00002	0.00004	0.00132	0.86083
Vendor	0.00003	0.00002	0.00080	0.00029	< 0.000005	0.00001	0.00017	0.00018	0.00001	0.00005	0.00006	—	0.62240	0.62240	0.00001	0.00009	0.00069	0.64991
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00008	0.00007	0.00006	0.00073	0.00000	0.00000	0.00015	0.00015	0.00000	0.00004	0.00004	—	0.14042	0.14042	< 0.000005	0.00001	0.00022	0.14252
Vendor	0.00001	< 0.000005	0.00015	0.00005	< 0.000005	< 0.000005	0.00003	0.00003	< 0.000005	0.00001	0.00001	—	0.10304	0.10304	< 0.000005	0.00001	0.00011	0.10760
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5. Rough Grading (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12007	0.10089	1.03315	1.90815	0.00268	0.03479	—	0.03479	0.03201	—	0.03201	—	290.363	290.363	0.01178	0.00236	—	291.359
Dust From Material Movement	—	—	—	—	—	—	0.00000	0.00000	—	0.00000	0.00000	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00329	0.00276	0.02831	0.05228	0.00007	0.00095	—	0.00095	0.00088	—	0.00088	—	7.95514	7.95514	0.00032	0.00006	—	7.98244
Dust From Material Movement	—	—	—	—	—	—	0.00000	0.00000	—	0.00000	0.00000	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00060	0.00050	0.00517	0.00954	0.00001	0.00017	—	0.00017	0.00016	—	0.00016	—	1.31706	1.31706	0.00005	0.00001	—	1.32158
Dust From Material Movement	—	—	—	—	—	—	0.00000	0.00000	—	0.00000	0.00000	—	—	—	—	—	—	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03494	0.03247	0.02104	0.37628	0.00000	0.00000	0.06240	0.06240	0.00000	0.01463	0.01463	—	67.8795	67.8795	0.00123	0.00248	0.22219	68.8705
Vendor	0.00239	0.00175	0.05614	0.02053	0.00032	0.00065	0.01236	0.01301	0.00065	0.00342	0.00407	—	45.4114	45.4114	0.00055	0.00653	0.11617	47.4862
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00087	0.00079	0.00064	0.00796	0.00000	0.00000	0.00169	0.00169	0.00000	0.00040	0.00040	—	1.69628	1.69628	0.00004	0.00007	0.00263	1.72166
Vendor	0.00006	0.00005	0.00160	0.00057	0.00001	0.00002	0.00034	0.00035	0.00002	0.00009	0.00011	—	1.24479	1.24479	0.00001	0.00018	0.00137	1.29983
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00016	0.00014	0.00012	0.00145	0.00000	0.00000	0.00031	0.00031	0.00000	0.00007	0.00007	—	0.28084	0.28084	0.00001	0.00001	0.00044	0.28504
Vendor	0.00001	0.00001	0.00029	0.00010	< 0.000005	< 0.000005	0.00006	0.00006	< 0.000005	0.00002	0.00002	—	0.20609	0.20609	< 0.000005	0.00003	0.00023	0.21520
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.7. Fine Grading (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.12007	0.10089	1.03315	1.90815	0.00268	0.03479	—	0.03479	0.03201	—	0.03201	—	290.363	290.363	0.01178	0.00236	—	291.359
Dust From Material Movement	—	—	—	—	—	—	0.00000	0.00000	—	0.00000	0.00000	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00164	0.00138	0.01415	0.02614	0.00004	0.00048	—	0.00048	0.00044	—	0.00044	—	3.97757	3.97757	0.00016	0.00003	—	3.99122
Dust From Material Movement	—	—	—	—	—	—	0.00000	0.00000	—	0.00000	0.00000	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00030	0.00025	0.00258	0.00477	0.00001	0.00009	—	0.00009	0.00008	—	0.00008	—	0.65853	0.65853	0.00003	0.00001	—	0.66079
Dust From Material Movement	—	—	—	—	—	—	0.00000	0.00000	—	0.00000	0.00000	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03494	0.03247	0.02104	0.37628	0.00000	0.00000	0.06240	0.06240	0.00000	0.01463	0.01463	—	67.8795	67.8795	0.00123	0.00248	0.22219	68.8705
Vendor	0.00239	0.00175	0.05614	0.02053	0.00032	0.00065	0.01236	0.01301	0.00065	0.00342	0.00407	—	45.4114	45.4114	0.00055	0.00653	0.11617	47.4862
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00044	0.00040	0.00032	0.00398	0.00000	0.00000	0.00084	0.00084	0.00000	0.00020	0.00020	—	0.84814	0.84814	0.00002	0.00004	0.00132	0.86083
Vendor	0.00003	0.00002	0.00080	0.00029	< 0.000005	0.00001	0.00017	0.00018	0.00001	0.00005	0.00006	—	0.62240	0.62240	0.00001	0.00009	0.00069	0.64991
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00008	0.00007	0.00006	0.00073	0.00000	0.00000	0.00015	0.00015	0.00000	0.00004	0.00004	—	0.14042	0.14042	< 0.000005	0.00001	0.00022	0.14252
Vendor	0.00001	< 0.000005	0.00015	0.00005	< 0.000005	< 0.000005	0.00003	0.00003	< 0.000005	0.00001	0.00001	—	0.10304	0.10304	< 0.000005	0.00001	0.00011	0.10760
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.9. Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.08397	0.91084	7.73422	5.56445	0.01231	0.45438	—	0.45438	0.41803	—	0.41803	—	1,333.79	1,333.79	0.05410	0.01082	—	1,338.37

Paving	0.09990	0.09990	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01485	0.01248	0.10595	0.07623	0.00017	0.00622	—	0.00622	0.00573	—	0.00573	—	18.2711	18.2711	0.00074	0.00015	—	18.3338
Paving	0.00137	0.00137	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00271	0.00228	0.01934	0.01391	0.00003	0.00114	—	0.00114	0.00105	—	0.00105	—	3.02499	3.02499	0.00012	0.00002	—	3.03537
Paving	0.00025	0.00025	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05241	0.04870	0.03157	0.56442	0.00000	0.00000	0.09360	0.09360	0.00000	0.02194	0.02194	—	101.819	101.819	0.00185	0.00371	0.33329	103.306
Vendor	0.00954	0.00701	0.22458	0.08213	0.00130	0.00260	0.04946	0.05206	0.00260	0.01366	0.01626	—	181.645	181.645	0.00218	0.02611	0.46469	189.945
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00065	0.00059	0.00048	0.00597	0.00000	0.00000	0.00127	0.00127	0.00000	0.00030	0.00030	—	1.27221	1.27221	0.00003	0.00005	0.00197	1.29124
Vendor	0.00012	0.00009	0.00321	0.00114	0.00002	0.00004	0.00067	0.00071	0.00004	0.00019	0.00022	—	2.48958	2.48958	0.00003	0.00036	0.00275	2.59966
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00012	0.00011	0.00009	0.00109	0.00000	0.00000	0.00023	0.00023	0.00000	0.00005	0.00005	—	0.21063	0.21063	0.00001	0.00001	0.00033	0.21378
Vendor	0.00002	0.00002	0.00059	0.00021	< 0.000005	0.00001	0.00012	0.00013	0.00001	0.00003	0.00004	—	0.41218	0.41218	< 0.000005	0.00006	0.00046	0.43040
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.11. Architectural Coating (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14557	0.12031	0.85645	1.13283	0.00173	0.02315	—	0.02315	0.02130	—	0.02130	—	133.504	133.504	0.00542	0.00108	—	133.963
Architectural Coatings	2.30889	2.30889	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.00040	0.00033	0.00235	0.00310	< 0.000005	0.00006	—	0.00006	0.00006	—	0.00006	—	0.36577	0.36577	0.00001	< 0.000005	—	0.36702
Architectural Coatings	0.00633	0.00633	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00007	0.00006	0.00043	0.00057	< 0.000005	0.00001	—	0.00001	0.00001	—	0.00001	—	0.06056	0.06056	< 0.000005	< 0.000005	—	0.06076
Architectural Coatings	0.00115	0.00115	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03494	0.03247	0.02104	0.37628	0.00000	0.00000	0.06240	0.06240	0.00000	0.01463	0.01463	—	67.8795	67.8795	0.00123	0.00248	0.22219	68.8705
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00009	0.00008	0.00006	0.00080	0.00000	0.00000	0.00017	0.00017	0.00000	0.00004	0.00004	—	0.16963	0.16963	< 0.000005	0.00001	0.00026	0.17217
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00002	0.00001	0.00001	0.00015	0.00000	0.00000	0.00003	0.00003	0.00000	0.00001	0.00001	—	0.02808	0.02808	< 0.000005	< 0.000005	0.00004	0.02850
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	6/8/2026	6/12/2026	5.00000	5.00000	—
Site Preparation	Site Preparation	6/15/2026	6/19/2026	5.00000	5.00000	—
Rough Grading	Grading	6/22/2026	7/3/2026	5.00000	10.00000	—
Fine Grading	Grading	08/03/2026	8/7/2026	5.00000	5.00000	—
Paving	Paving	08/10/2026	8/14/2026	5.00000	5.00000	—
Architectural Coating	Architectural Coating	8/17/2026	8/17/2026	5.00000	1.000000	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Skid Steer Loaders	Diesel	Average	1.000000	8.00000	71.0000	0.37000
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	2.00000	6.00000	84.0000	0.37000
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Site Preparation	Skid Steer Loaders	Diesel	Average	1.000000	8.00000	71.0000	0.37000
Rough Grading	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Fine Grading	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Paving	Pavers	Diesel	Average	1.000000	8.00000	225.000	0.42000
Paving	Rollers	Diesel	Average	1.000000	8.00000	50.0000	0.38000
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	8.00000	80.0000	0.37000
Architectural Coating	Air Compressors	Diesel	Average	1.000000	6.00000	37.0000	0.48000

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	Worker	8.00000	11.0400	LDA,LDT1,LDT2
Demolition	Vendor	—	7.37000	HHDT,MHDT
Demolition	Hauling	28.8000	20.0000	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	Worker	8.00000	11.0400	LDA,LDT1,LDT2
Site Preparation	Vendor	2.00000	7.37000	HHDT,MHDT

Site Preparation	Hauling	0.00000	20.0000	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Rough Grading	Worker	8.00000	11.0400	LDA,LDT1,LDT2
Rough Grading	Vendor	2.00000	7.37000	HHDT,MHDT
Rough Grading	Hauling	0.00000	20.0000	HHDT
Rough Grading	Onsite truck	—	—	HHDT
Fine Grading	Worker	8.00000	11.0400	LDA,LDT1,LDT2
Fine Grading	Vendor	2.00000	7.37000	HHDT,MHDT
Fine Grading	Hauling	0.00000	20.0000	HHDT
Fine Grading	Onsite truck	—	—	HHDT
Paving	Worker	12.0000	11.0400	LDA,LDT1,LDT2
Paving	Vendor	8.00000	7.37000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	8.00000	11.0400	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	7.37000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00000	0.00000	0.00000	0.00000	498.000

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00000	0.00000	0.00000	575.000	0.00000
Site Preparation	—	—	0.00000	0.00000	0.00000
Rough Grading	—	—	0.00000	0.00000	0.00000
Fine Grading	—	—	0.00000	0.00000	0.00000
Paving	0.00000	0.00000	0.00000	0.00000	0.19066

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Other Asphalt Surfaces	0.19066	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00000	203.983	0.03300	0.00400

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	20.0600	annual days of extreme heat
Extreme Precipitation	0.00000	annual days with precipitation above 20 mm
Sea Level Rise	0.00000	meters of inundation depth
Wildfire	0.00000	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	93.6279
AQ-PM	99.3155
AQ-DPM	54.8102
Drinking Water	72.9986
Lead Risk Housing	7.14556
Pesticides	0.00000
Toxic Releases	39.1223
Traffic	67.1875
Effect Indicators	—
CleanUp Sites	27.4916
Groundwater	59.6048
Haz Waste Facilities/Generators	53.5142
Impaired Water Bodies	0.00000
Solid Waste	0.00000
Sensitive Population	—
Asthma	21.0867

Cardio-vascular	30.7951
Low Birth Weights	28.0729
Socioeconomic Factor Indicators	—
Education	29.6760
Housing	15.5006
Linguistic	21.4237
Poverty	22.0101
Unemployment	67.4779

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	74.07930194
Employed	65.05838573
Median HI	66.79070961
Education	—
Bachelor's or higher	57.08969588
High school enrollment	100
Preschool enrollment	17.9006801
Transportation	—
Auto Access	52.9449506
Active commuting	56.70473502
Social	—
2-parent households	19.17105094
Voting	67.22699859
Neighborhood	—
Alcohol availability	71.87219299

Park access	52.55998973
Retail density	27.37071731
Supermarket access	19.78698832
Tree canopy	9.187732581
Housing	—
Homeownership	39.93327345
Housing habitability	84.98652637
Low-inc homeowner severe housing cost burden	93.301681
Low-inc renter severe housing cost burden	84.08828436
Uncrowded housing	70.21686129
Health Outcomes	—
Insured adults	92.01847812
Arthritis	31.2
Asthma ER Admissions	73.6
High Blood Pressure	29.0
Cancer (excluding skin)	16.1
Asthma	51.9
Coronary Heart Disease	37.1
Chronic Obstructive Pulmonary Disease	50.7
Diagnosed Diabetes	80.8
Life Expectancy at Birth	53.0
Cognitively Disabled	66.4
Physically Disabled	26.6
Heart Attack ER Admissions	46.6
Mental Health Not Good	60.0
Chronic Kidney Disease	45.1
Obesity	52.4
Pedestrian Injuries	74.9

Physical Health Not Good	65.0
Stroke	45.2
Health Risk Behaviors	—
Binge Drinking	11.3
Current Smoker	53.5
No Leisure Time for Physical Activity	58.6
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	53.3
Elderly	40.9
English Speaking	76.1
Foreign-born	16.0
Outdoor Workers	46.6
Climate Change Adaptive Capacity	—
Impervious Surface Cover	59.7
Traffic Density	56.7
Traffic Access	0.0
Other Indices	—
Hardship	35.5
Other Decision Support	—
2016 Voting	53.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	30.0000
Healthy Places Index Score for Project Location (b)	57.0000
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No

Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Construction: Construction Phases	Based on provided information provided by the applicant.
Construction: Off-Road Equipment	Based on information provided by the project applicant. Please see appendix for further details.
Construction: Trips and VMT	Based on information provided by the project applicant. See the appendix for further details.
Construction: Architectural Coatings	Striping

8.4. Construction

8.4.1. Construction Phases

Phase Type	Phase Name	Model Parameter	Default Value	New Value
Demolition	Demolition	End Date	6/22/2026	6/12/2026
Demolition	Demolition	Work Days per Phase	10.00000	5.00000
Site Preparation	Site Preparation	Start Date	6/23/2026	6/15/2026

Site Preparation	Site Preparation	End Date	6/24/2026	6/19/2026
Site Preparation	Site Preparation	Work Days per Phase	1.000000	5.00000
Paving	Paving	Start Date	11/16/2026	08/10/2026
Paving	Paving	End Date	11/23/2026	8/14/2026
Architectural Coating	Architectural Coating	Start Date	11/24/2026	8/17/2026
Architectural Coating	Architectural Coating	End Date	12/1/2026	8/17/2026
Architectural Coating	Architectural Coating	Work Days per Phase	5.00000	1.000000

8.4.6. Trips and VMT

Phase Name	Trip Type	Model Parameter	Default Value	New Value
Demolition	Worker	One-Way Trips per Day	7.50000	8.00000
Site Preparation	Worker	One-Way Trips per Day	5.00000	8.00000
Rough Grading	Worker	One-Way Trips per Day	2.50000	8.00000
Fine Grading	Worker	One-Way Trips per Day	2.50000	8.00000
Paving	Worker	One-Way Trips per Day	7.50000	12.0000
Architectural Coating	Worker	One-Way Trips per Day	0.00000	8.00000

LOKH-01_Operation Full Buildout Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	LOKH-01_Operation Full Buildout
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70000
Precipitation (days)	18.0000
Location	35.382244024302594, -119.09464262587437
County	Kern-San Joaquin
City	Bakersfield
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2817
EDFZ	5
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Southern California Gas
App Version	2022.1.1.41

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Regional Shopping Center	335.003	1000sqft	7.39000	335,003	379,446	0.00000	—	—

Medical Office Building	9.12900	1000sqft	0.20957	9,129.00	0.00000	—	—	—
Convenience Market with Gas Pumps	40.0000	Pump	0.01000	428.000	0.00000	—	—	—
Fast Food Restaurant with Drive Thru	16.8710	1000sqft	0.38730	16,871.0	0.00000	—	—	—
Automobile Care Center	4.10000	1000sqft	0.09412	4,100.00	0.00000	—	—	—
Unrefrigerated Warehouse-No Rail	40.0000	1000sqft	0.91827	40,000.0	0.00000	—	—	—
Parking Lot	2.00000	Space	25.1500	0.00000	0.00000	—	—	—
Other Asphalt Surfaces	390.408	1000sqft	8.96253	0.00000	0.00000	—	—	—
Other Non-Asphalt Surfaces	3.03616	Acre	3.03616	0.00000	0.00000	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.3. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	101.052	96.6986	58.2666	480.471	1.02358	0.99422	80.4144	81.4086	0.93701	20.4404	21.3774	489.446	108,082	108,572	54.8119	6.04619	448.279	112,192
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	89.4616	84.8740	65.8080	430.733	0.93923	0.96402	80.4144	81.3784	0.91440	20.4404	21.3548	489.446	99,585.2	100,075	55.9262	6.44926	125.546	103,520
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	83.8458	79.8082	56.4089	384.967	0.87410	0.90099	72.1065	73.0075	0.85224	18.3321	19.1843	489.446	92,902.9	93,392.3	54.8172	5.66711	246.729	96,698.3
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	15.3019	14.5650	10.2946	70.2565	0.15952	0.16443	13.1594	13.3239	0.15553	3.34561	3.50114	81.0334	15,381.1	15,462.2	9.07561	0.93825	40.8488	16,009.5

2.4. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	88.2880	84.2674	56.4662	461.447	1.01261	0.83734	80.4144	81.2518	0.78778	20.4404	21.2281	—	103,255	103,255	4.99575	5.73350	331.325	105,420
Area	12.5824	12.3404	0.14841	17.6370	0.00105	0.03133	—	0.03133	0.02368	—	0.02368	—	72.5279	72.5279	0.00304	0.00062	—	72.7894
Energy	0.18171	0.09086	1.65193	1.38762	0.00991	0.12555	—	0.12555	0.12555	—	0.12555	—	4,634.91	4,634.91	0.60539	0.05595	—	4,666.71
Water	—	—	—	—	—	—	—	—	—	—	—	104.162	119.662	223.824	10.7000	0.25611	—	567.646
Waste	—	—	—	—	—	—	—	—	—	—	—	385.284	0.00000	385.284	38.5077	0.00000	—	1,347.98
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.954	116.954
Total	101.052	96.6986	58.2666	480.471	1.02358	0.99422	80.4144	81.4086	0.93701	20.4404	21.3774	489.446	108,082	108,572	54.8119	6.04619	448.279	112,192
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	79.8358	75.3391	64.1561	429.346	0.92932	0.83847	80.4144	81.2529	0.78886	20.4404	21.2292	—	94,830.6	94,830.6	6.11310	6.13719	8.59175	96,820.9
Area	9.44408	9.44408	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.18171	0.09086	1.65193	1.38762	0.00991	0.12555	—	0.12555	0.12555	—	0.12555	—	4,634.91	4,634.91	0.60539	0.05595	—	4,666.71
Water	—	—	—	—	—	—	—	—	—	—	—	104.162	119.662	223.824	10.7000	0.25611	—	567.646
Waste	—	—	—	—	—	—	—	—	—	—	—	385.284	0.00000	385.284	38.5077	0.00000	—	1,347.98
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.954	116.954

Total	89.4616	84.8740	65.8080	430.733	0.93923	0.96402	80.4144	81.3784	0.91440	20.4404	21.3548	489.446	99,585.2	100,075	55.9262	6.44926	125.546	103,520
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	72.6723	68.8449	54.6838	374.882	0.86367	0.75999	72.1065	72.8665	0.71501	18.3321	19.0471	—	88,112.5	88,112.5	5.00258	5.35474	129.775	89,963.1
Area	10.9918	10.8724	0.07319	8.69770	0.00052	0.01545	—	0.01545	0.01168	—	0.01168	—	35.7672	35.7672	0.00150	0.00031	—	35.8961
Energy	0.18171	0.09086	1.65193	1.38762	0.00991	0.12555	—	0.12555	0.12555	—	0.12555	—	4,634.91	4,634.91	0.60539	0.05595	—	4,666.71
Water	—	—	—	—	—	—	—	—	—	—	—	104.162	119.662	223.824	10.7000	0.25611	—	567.646
Waste	—	—	—	—	—	—	—	—	—	—	—	385.284	0.00000	385.284	38.5077	0.00000	—	1,347.98
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.954	116.954
Total	83.8458	79.8082	56.4089	384.967	0.87410	0.90099	72.1065	73.0075	0.85224	18.3321	19.1843	489.446	92,902.9	93,392.3	54.8172	5.66711	246.729	96,698.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	13.2627	12.5642	9.97979	68.4160	0.15762	0.13870	13.1594	13.2981	0.13049	3.34561	3.47610	—	14,588.0	14,588.0	0.82823	0.88654	21.4857	14,894.4
Area	2.00600	1.98421	0.01336	1.58733	0.00009	0.00282	—	0.00282	0.00213	—	0.00213	—	5.92166	5.92166	0.00025	0.00005	—	5.94301
Energy	0.03316	0.01658	0.30148	0.25324	0.00181	0.02291	—	0.02291	0.02291	—	0.02291	—	767.362	767.362	0.10023	0.00926	—	772.628
Water	—	—	—	—	—	—	—	—	—	—	—	17.2452	19.8115	37.0567	1.77150	0.04240	—	93.9803
Waste	—	—	—	—	—	—	—	—	—	—	—	63.7881	0.00000	63.7881	6.37540	0.00000	—	223.173
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.3631	19.3631
Total	15.3019	14.5650	10.2946	70.2565	0.15952	0.16443	13.1594	13.3239	0.15553	3.34561	3.50114	81.0334	15,381.1	15,462.2	9.07561	0.93825	40.8488	16,009.5

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Regiona Shopping Center	37.3511	35.6502	23.8886	195.220	0.42840	0.35425	34.0201	34.3744	0.33328	8.64750	8.98078	—	43,683.2	43,683.2	2.11350	2.42562	140.170	44,599.0
Medical Office Building	0.61607	0.58801	0.39402	3.21995	0.00707	0.00584	0.56113	0.56697	0.00550	0.14263	0.14813	—	720.510	720.510	0.03486	0.04001	2.31197	735.616
Convenience Market with Gas Pumps	28.4951	27.1974	18.2246	148.933	0.32682	0.27025	25.9539	26.2241	0.25426	6.59716	6.85141	—	33,325.8	33,325.8	1.61239	1.85050	106.936	34,024.5
Fast Food Restaurant with Drive Thru	20.3110	19.3860	12.9902	106.157	0.23296	0.19263	18.4996	18.6922	0.18123	4.70237	4.88360	—	23,754.2	23,754.2	1.14929	1.31901	76.2223	24,252.2
Automobile Care Center	1.35824	1.29639	0.86869	7.09899	0.01558	0.01288	1.23711	1.24999	0.01212	0.31446	0.32658	—	1,588.50	1,588.50	0.07686	0.08821	5.09716	1,621.80
Unrefrigerated Warehouse-No Rail	0.15651	0.14938	0.10010	0.81799	0.00180	0.00148	0.14255	0.14403	0.00140	0.03623	0.03763	—	183.037	183.037	0.00886	0.01016	0.58733	186.874
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	88.2880	84.2674	56.4662	461.447	1.01261	0.83734	80.4144	81.2518	0.78778	20.4404	21.2281	—	103,255	103,255	4.99575	5.73350	331.325	105,420
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Regiona Shopping Center	33.7754	31.8730	27.1419	181.639	0.39316	0.35472	34.0201	34.3749	0.33373	8.64750	8.98124	—	40,119.1	40,119.1	2.58621	2.59640	3.63483	40,961.1
Medical Office Building	0.55709	0.52571	0.44768	2.99596	0.00648	0.00585	0.56113	0.56698	0.00550	0.14263	0.14814	—	661.724	661.724	0.04266	0.04283	0.05995	675.612
Convenience Market with Gas Pumps	25.7671	24.3158	20.7065	138.572	0.29994	0.27062	25.9539	26.2245	0.25460	6.59716	6.85176	—	30,606.7	30,606.7	1.97301	1.98079	2.77300	31,249.1
Fast Food Restaurant with Drive Thru	18.3665	17.3320	14.7593	98.7724	0.21379	0.19289	18.4996	18.6925	0.18148	4.70237	4.88385	—	21,816.1	21,816.1	1.40634	1.41188	1.97656	22,274.0
Automobile Care Center	1.22821	1.15903	0.98699	6.60514	0.01430	0.01290	1.23711	1.25001	0.01214	0.31446	0.32659	—	1,458.89	1,458.89	0.09405	0.09442	0.13218	1,489.51
Unrefrigerated Warehouse-No Rail	0.14152	0.13355	0.11373	0.76109	0.00165	0.00149	0.14255	0.14403	0.00140	0.03623	0.03763	—	168.103	168.103	0.01084	0.01088	0.01523	171.631
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	79.8358	75.3391	64.1561	429.346	0.92932	0.83847	80.4144	81.2529	0.78886	20.4404	21.2292	—	94,830.6	94,830.6	6.11310	6.13719	8.59175	96,820.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Regional Shopping Center	5.66233	5.36412	4.26074	29.2093	0.06729	0.05922	5.61824	5.67746	0.05571	1.42836	1.48407	—	6,228.16	6,228.16	0.35360	0.37850	9.17301	6,358.97
Medical Office Building	0.07468	0.07074	0.05619	0.38522	0.00089	0.00078	0.07410	0.07488	0.00073	0.01884	0.01957	—	82.1394	82.1394	0.00466	0.00499	0.12098	83.8645
Convenience Market with Gas Pumps	4.71281	4.46461	3.54625	24.3112	0.05601	0.04929	4.67612	4.72540	0.04637	1.18884	1.23521	—	5,183.76	5,183.76	0.29431	0.31503	7.63479	5,292.63
Fast Food Restaurant with Drive Thru	2.57177	2.43633	1.93518	13.2665	0.03056	0.02690	2.55175	2.57864	0.02530	0.64875	0.67405	—	2,828.77	2,828.77	0.16060	0.17191	4.16629	2,888.18
Automobile Care Center	0.21757	0.20611	0.16371	1.12234	0.00259	0.00228	0.21588	0.21815	0.00214	0.05488	0.05702	—	239.311	239.311	0.01359	0.01454	0.35246	244.337
Unrefrigerated Warehouse-No Rail	0.02354	0.02230	0.01771	0.12142	0.00028	0.00025	0.02335	0.02360	0.00023	0.00594	0.00617	—	25.8897	25.8897	0.00147	0.00157	0.03813	26.4335
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	13.2627	12.5642	9.97979	68.4160	0.15762	0.13870	13.1594	13.2981	0.13049	3.34561	3.47610	—	14,588.0	14,588.0	0.82823	0.88654	21.4857	14,894.4

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	1,305.34	1,305.34	0.21118	0.02560	—	1,318.25
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	119.619	119.619	0.01935	0.00235	—	120.802
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	14.0307	14.0307	0.00227	0.00028	—	14.1694
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	421.294	421.294	0.06816	0.00826	—	425.460
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	27.1845	27.1845	0.00440	0.00053	—	27.4533
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	240.081	240.081	0.03884	0.00471	—	242.455
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	536.329	536.329	0.08677	0.01052	—	541.632

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,663.88	2,663.88	0.43096	0.05224	—	2,690.22
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	1,305.34	1,305.34	0.21118	0.02560	—	1,318.25
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	119.619	119.619	0.01935	0.00235	—	120.802
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	14.0307	14.0307	0.00227	0.00028	—	14.1694
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	421.294	421.294	0.06816	0.00826	—	425.460
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	27.1845	27.1845	0.00440	0.00053	—	27.4533
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	240.081	240.081	0.03884	0.00471	—	242.455

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	536.329	536.329	0.08677	0.01052	—	541.632
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,663.88	2,663.88	0.43096	0.05224	—	2,690.22
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	216.114	216.114	0.03496	0.00424	—	218.251
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	19.8043	19.8043	0.00320	0.00039	—	20.0001
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	2.32294	2.32294	0.00038	0.00005	—	2.34591
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	69.7501	69.7501	0.01128	0.00137	—	70.4397
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	4.50070	4.50070	0.00073	0.00009	—	4.54520
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	39.7482	39.7482	0.00643	0.00078	—	40.1412

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	88.7953	88.7953	0.01437	0.00174	—	89.6734
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	441.035	441.035	0.07135	0.00865	—	445.396

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.09692	0.04846	0.88113	0.74015	0.00529	0.06697	—	0.06697	0.06697	—	0.06697	—	1,051.34	1,051.34	0.09304	0.00198	—	1,054.26
Medical Office Building	0.01077	0.00539	0.09793	0.08226	0.00059	0.00744	—	0.00744	0.00744	—	0.00744	—	116.850	116.850	0.01034	0.00022	—	117.174
Convenience Market with Gas Pumps	0.00042	0.00021	0.00384	0.00322	0.00002	0.00029	—	0.00029	0.00029	—	0.00029	—	4.57584	4.57584	0.00040	0.00001	—	4.58853
Fast Food Restaurant with Drive Thru	0.06233	0.03116	0.56660	0.47594	0.00340	0.04306	—	0.04306	0.04306	—	0.04306	—	676.046	676.046	0.05983	0.00127	—	677.921

Automobile	0.00496	0.00248	0.04512	0.03790	0.00027	0.00343	—	0.00343	0.00343	—	0.00343	—	53.8372	53.8372	0.00476	0.00010	—	53.9865
Unrefrigerated Warehouse-No Rail	0.00630	0.00315	0.05731	0.04814	0.00034	0.00436	—	0.00436	0.00436	—	0.00436	—	68.3807	68.3807	0.00605	0.00013	—	68.5703
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.18171	0.09086	1.65193	1.38762	0.00991	0.12555	—	0.12555	0.12555	—	0.12555	—	1,971.03	1,971.03	0.17444	0.00371	—	1,976.50
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.09692	0.04846	0.88113	0.74015	0.00529	0.06697	—	0.06697	0.06697	—	0.06697	—	1,051.34	1,051.34	0.09304	0.00198	—	1,054.26
Medical Office Building	0.01077	0.00539	0.09793	0.08226	0.00059	0.00744	—	0.00744	0.00744	—	0.00744	—	116.850	116.850	0.01034	0.00022	—	117.174
Convenience Market with Gas Pumps	0.00042	0.00021	0.00384	0.00322	0.00002	0.00029	—	0.00029	0.00029	—	0.00029	—	4.57584	4.57584	0.00040	0.00001	—	4.58853
Fast Food Restaurant with Drive Thru	0.06233	0.03116	0.56660	0.47594	0.00340	0.04306	—	0.04306	0.04306	—	0.04306	—	676.046	676.046	0.05983	0.00127	—	677.921

Automo Care Center	0.00496	0.00248	0.04512	0.03790	0.00027	0.00343	—	0.00343	0.00343	—	0.00343	—	53.8372	53.8372	0.00476	0.00010	—	53.9865
Unrefrigerated Warehouse-No Rail	0.00630	0.00315	0.05731	0.04814	0.00034	0.00436	—	0.00436	0.00436	—	0.00436	—	68.3807	68.3807	0.00605	0.00013	—	68.5703
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.18171	0.09086	1.65193	1.38762	0.00991	0.12555	—	0.12555	0.12555	—	0.12555	—	1,971.03	1,971.03	0.17444	0.00371	—	1,976.50
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.01769	0.00884	0.16081	0.13508	0.00096	0.01222	—	0.01222	0.01222	—	0.01222	—	174.061	174.061	0.01540	0.00033	—	174.544
Medical Office Building	0.00197	0.00098	0.01787	0.01501	0.00011	0.00136	—	0.00136	0.00136	—	0.00136	—	19.3459	19.3459	0.00171	0.00004	—	19.3995
Convenience Market with Gas Pumps	0.00008	0.00004	0.00070	0.00059	< 0.000005	0.00005	—	0.00005	0.00005	—	0.00005	—	0.75758	0.75758	0.00007	< 0.000005	—	0.75968
Fast Food Restaurant with Drive Thru	0.01137	0.00569	0.10340	0.08686	0.00062	0.00786	—	0.00786	0.00786	—	0.00786	—	111.927	111.927	0.00991	0.00021	—	112.238

Automobile	0.00091	0.00045	0.00823	0.00692	0.00005	0.00063	—	0.00063	0.00063	—	0.00063	—	8.91336	8.91336	0.00079	0.00002	—	8.93809
Unrefrigerated Warehouse-No Rail	0.00115	0.00058	0.01046	0.00879	0.00006	0.00079	—	0.00079	0.00079	—	0.00079	—	11.3212	11.3212	0.00100	0.00002	—	11.3526
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.03316	0.01658	0.30148	0.25324	0.00181	0.02291	—	0.02291	0.02291	—	0.02291	—	326.327	326.327	0.02888	0.00061	—	327.232

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	8.80563	8.80563	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.63845	0.63845	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape Equipment	3.13835	2.89631	0.14841	17.6370	0.00105	0.03133	—	0.03133	0.02368	—	0.02368	—	72.5279	72.5279	0.00304	0.00062	—	72.7894
Total	12.5824	12.3404	0.14841	17.6370	0.00105	0.03133	—	0.03133	0.02368	—	0.02368	—	72.5279	72.5279	0.00304	0.00062	—	72.7894
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	8.80563	8.80563	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.63845	0.63845	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	9.44408	9.44408	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.60703	1.60703	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.11652	0.11652	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.28245	0.26067	0.01336	1.58733	0.00009	0.00282	—	0.00282	0.00213	—	0.00213	—	5.92166	5.92166	0.00025	0.00005	—	5.94301
Total	2.00600	1.98421	0.01336	1.58733	0.00009	0.00282	—	0.00282	0.00213	—	0.00213	—	5.92166	5.92166	0.00025	0.00005	—	5.94301

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	104.162	119.662	223.824	10.7000	0.25611	—	567.646
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	104.162	119.662	223.824	10.7000	0.25611	—	567.646
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	104.162	119.662	223.824	10.7000	0.25611	—	567.646
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	104.162	119.662	223.824	10.7000	0.25611	—	567.646
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	17.2452	19.8115	37.0567	1.77150	0.04240	—	93.9803
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	17.2452	19.8115	37.0567	1.77150	0.04240	—	93.9803

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	189.573	0.00000	189.573	18.9472	0.00000	—	663.253
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	53.1357	0.00000	53.1357	5.31072	0.00000	—	185.904
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	9.13479	0.00000	9.13479	0.91299	0.00000	—	31.9595
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	104.735	0.00000	104.735	10.4679	0.00000	—	366.432

Automobile	—	—	—	—	—	—	—	—	—	—	—	8.44086	0.00000	8.44086	0.84363	0.00000	—	29.5317
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	20.2641	0.00000	20.2641	2.02532	0.00000	—	70.8972
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	385.284	0.00000	385.284	38.5077	0.00000	—	1,347.98
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	189.573	0.00000	189.573	18.9472	0.00000	—	663.253
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	53.1357	0.00000	53.1357	5.31072	0.00000	—	185.904
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	9.13479	0.00000	9.13479	0.91299	0.00000	—	31.9595
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	104.735	0.00000	104.735	10.4679	0.00000	—	366.432

Automo Care Center	—	—	—	—	—	—	—	—	—	—	—	8.44086	0.00000	8.44086	0.84363	0.00000	—	29.5317
Unrefrig erated Wareho use-No Rail	—	—	—	—	—	—	—	—	—	—	—	20.2641	0.00000	20.2641	2.02532	0.00000	—	70.8972
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	385.284	0.00000	385.284	38.5077	0.00000	—	1,347.98
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regiona l Shoppin g Center	—	—	—	—	—	—	—	—	—	—	—	31.3860	0.00000	31.3860	3.13692	0.00000	—	109.809
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	8.79722	0.00000	8.79722	0.87925	0.00000	—	30.7785
Conveni ence Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	1.51237	0.00000	1.51237	0.15116	0.00000	—	5.29126
Fast Food Restaura nt with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	17.3401	0.00000	17.3401	1.73308	0.00000	—	60.6671

Automobile	—	—	—	—	—	—	—	—	—	—	—	1.39748	0.00000	1.39748	0.13967	0.00000	—	4.88931
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	3.35495	0.00000	3.35495	0.33532	0.00000	—	11.7378
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	63.7881	0.00000	63.7881	6.37540	0.00000	—	223.173

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.60822	1.60822
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23326	0.23326

Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	88.7327	88.7327
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	26.3737	26.3737
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00640	0.00640
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.954	116.954
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.60822	1.60822
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23326	0.23326
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	88.7327	88.7327
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	26.3737	26.3737

Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00640	0.00640
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.954	116.954
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26626	0.26626
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03862	0.03862
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14.6907	14.6907
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.36646	4.36646
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00106	0.00106
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.3631	19.3631

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Regional Shopping Center	12,162.0	12,113.9	5,009.55	4,063,674	47,868.1	47,678.9	19,717.0	15,994,119
Medical Office Building	200.600	22.0800	2.73600	53,593.3	789.537	86.9042	10.7686	210,936
Convenience Market with Gas Pumps	9,278.36	9,236.50	9,236.50	3,382,236	36,518.5	36,353.7	36,353.7	13,312,064
Fast Food Restaurant with Drive Thru	4,917.90	6,613.50	4,193.58	1,845,679	19,356.2	26,029.9	16,505.4	7,264,364
Automobile Care Center	422.000	442.260	442.260	156,143	1,660.94	1,740.68	1,740.68	614,559
Unrefrigerated Warehouse-No Rail	47.3200	50.9600	36.4000	16,892.2	186.246	200.572	143.266	66,485.6
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Regional Shopping Center	Wood Fireplaces	0	0
Regional Shopping Center	Gas Fireplaces	0	0
Regional Shopping Center	Propane Fireplaces	0	0
Regional Shopping Center	Electric Fireplaces	0	0
Regional Shopping Center	No Fireplaces	0	0
Regional Shopping Center	Conventional Wood Stoves	0	0
Regional Shopping Center	Catalytic Wood Stoves	0	0

Regional Shopping Center	Non-Catalytic Wood Stoves	0	0
Regional Shopping Center	Pellet Wood Stoves	0	0
Medical Office Building	Wood Fireplaces	0	0
Medical Office Building	Gas Fireplaces	0	0
Medical Office Building	Propane Fireplaces	0	0
Medical Office Building	Electric Fireplaces	0	0
Medical Office Building	No Fireplaces	0	0
Medical Office Building	Conventional Wood Stoves	0	0
Medical Office Building	Catalytic Wood Stoves	0	0
Medical Office Building	Non-Catalytic Wood Stoves	0	0
Medical Office Building	Pellet Wood Stoves	0	0
Convenience Market with Gas Pumps	Wood Fireplaces	0	0
Convenience Market with Gas Pumps	Gas Fireplaces	0	0
Convenience Market with Gas Pumps	Propane Fireplaces	0	0
Convenience Market with Gas Pumps	Electric Fireplaces	0	0
Convenience Market with Gas Pumps	No Fireplaces	0	0
Convenience Market with Gas Pumps	Conventional Wood Stoves	0	0
Convenience Market with Gas Pumps	Catalytic Wood Stoves	0	0
Convenience Market with Gas Pumps	Non-Catalytic Wood Stoves	0	0
Convenience Market with Gas Pumps	Pellet Wood Stoves	0	0
Fast Food Restaurant with Drive Thru	Wood Fireplaces	0	0
Fast Food Restaurant with Drive Thru	Gas Fireplaces	0	0
Fast Food Restaurant with Drive Thru	Propane Fireplaces	0	0
Fast Food Restaurant with Drive Thru	Electric Fireplaces	0	0
Fast Food Restaurant with Drive Thru	No Fireplaces	0	0
Fast Food Restaurant with Drive Thru	Conventional Wood Stoves	0	0
Fast Food Restaurant with Drive Thru	Catalytic Wood Stoves	0	0
Fast Food Restaurant with Drive Thru	Non-Catalytic Wood Stoves	0	0

Fast Food Restaurant with Drive Thru	Pellet Wood Stoves	0	0
Automobile Care Center	Wood Fireplaces	0	0
Automobile Care Center	Gas Fireplaces	0	0
Automobile Care Center	Propane Fireplaces	0	0
Automobile Care Center	Electric Fireplaces	0	0
Automobile Care Center	No Fireplaces	0	0
Automobile Care Center	Conventional Wood Stoves	0	0
Automobile Care Center	Catalytic Wood Stoves	0	0
Automobile Care Center	Non-Catalytic Wood Stoves	0	0
Automobile Care Center	Pellet Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Wood Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Gas Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Propane Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Electric Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	No Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Conventional Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Catalytic Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Non-Catalytic Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Pellet Wood Stoves	0	0
Parking Lot	Wood Fireplaces	0	0
Parking Lot	Gas Fireplaces	0	0
Parking Lot	Propane Fireplaces	0	0
Parking Lot	Electric Fireplaces	0	0
Parking Lot	No Fireplaces	0	0
Parking Lot	Conventional Wood Stoves	0	0
Parking Lot	Catalytic Wood Stoves	0	0
Parking Lot	Non-Catalytic Wood Stoves	0	0
Parking Lot	Pellet Wood Stoves	0	0

Other Asphalt Surfaces	Wood Fireplaces	0	0
Other Asphalt Surfaces	Gas Fireplaces	0	0
Other Asphalt Surfaces	Propane Fireplaces	0	0
Other Asphalt Surfaces	Electric Fireplaces	0	0
Other Asphalt Surfaces	No Fireplaces	0	0
Other Asphalt Surfaces	Conventional Wood Stoves	0	0
Other Asphalt Surfaces	Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Non-Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Pellet Wood Stoves	0	0
Other Non-Asphalt Surfaces	Wood Fireplaces	0	0
Other Non-Asphalt Surfaces	Gas Fireplaces	0	0
Other Non-Asphalt Surfaces	Propane Fireplaces	0	0
Other Non-Asphalt Surfaces	Electric Fireplaces	0	0
Other Non-Asphalt Surfaces	No Fireplaces	0	0
Other Non-Asphalt Surfaces	Conventional Wood Stoves	0	0
Other Non-Asphalt Surfaces	Catalytic Wood Stoves	0	0
Other Non-Asphalt Surfaces	Non-Catalytic Wood Stoves	0	0
Other Non-Asphalt Surfaces	Pellet Wood Stoves	0	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0.00000	0.00000	608,297	202,766	97,091.8

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	180.000

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Regional Shopping Center	2,335,726	203.983	0.0330	0.0040	3,280,464
Medical Office Building	214,042	203.983	0.0330	0.0040	364,604
Convenience Market with Gas Pumps	25,106.0	203.983	0.0330	0.0040	14,277.8
Fast Food Restaurant with Drive Thru	753,849	203.983	0.0330	0.0040	2,109,444
Automobile Care Center	48,642.9	203.983	0.0330	0.0040	167,987
Unrefrigerated Warehouse-No Rail	429,593	203.983	0.0330	0.0040	213,366
Parking Lot	959,688	203.983	0.0330	0.0040	0.00000
Other Asphalt Surfaces	0.00000	203.983	0.0330	0.0040	0.00000
Other Non-Asphalt Surfaces	0.00000	203.983	0.0330	0.0040	0.00000

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Regional Shopping Center	54,357,625	0.00000
Medical Office Building	0.00000	0.00000
Convenience Market with Gas Pumps	0.00000	0.00000
Fast Food Restaurant with Drive Thru	0.00000	0.00000
Automobile Care Center	0.00000	0.00000
Unrefrigerated Warehouse-No Rail	0.00000	0.00000
Parking Lot	0.00000	0.00000

Other Asphalt Surfaces	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Regional Shopping Center	351.753	0.00000
Medical Office Building	98.5932	0.00000
Convenience Market with Gas Pumps	16.9496	0.00000
Fast Food Restaurant with Drive Thru	194.336	0.00000
Automobile Care Center	15.6620	0.00000
Unrefrigerated Warehouse-No Rail	37.6000	0.00000
Parking Lot	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430.00	0.03750	1.000000	0.00000	1.000000
Medical Office Building	Household refrigerators and/or freezers	R-134a	1,430.00	0.45455	0.60000	0.00000	1.000000

Medical Office Building	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00230	4.00000	4.00000	18.0000
Convenience Market with Gas Pumps	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Convenience Market with Gas Pumps	Supermarket refrigeration and condensing units	R-404A	3,922.00	26.5200	16.5000	16.5000	18.0000
Fast Food Restaurant with Drive Thru	Household refrigerators and/or freezers	R-134a	1,430.00	0.00000	0.60000	0.00000	1.000000
Fast Food Restaurant with Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088.00	1.80000	4.00000	4.00000	18.0000
Fast Food Restaurant with Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922.00	0.00040	7.50000	7.50000	20.0000
Automobile Care Center	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	20.0600	annual days of extreme heat
Extreme Precipitation	0.00000	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00000	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	93.6279
AQ-PM	99.3155
AQ-DPM	54.8102
Drinking Water	72.9986
Lead Risk Housing	7.14556
Pesticides	0.00000
Toxic Releases	39.1223
Traffic	67.1875
Effect Indicators	—
CleanUp Sites	27.4916
Groundwater	59.6048
Haz Waste Facilities/Generators	53.5142
Impaired Water Bodies	0.00000
Solid Waste	0.00000
Sensitive Population	—
Asthma	21.0867

Cardio-vascular	30.7951
Low Birth Weights	28.0729
Socioeconomic Factor Indicators	—
Education	29.6760
Housing	15.5006
Linguistic	21.4237
Poverty	22.0101
Unemployment	67.4779

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	74.07930194
Employed	65.05838573
Median HI	66.79070961
Education	—
Bachelor's or higher	57.08969588
High school enrollment	100
Preschool enrollment	17.9006801
Transportation	—
Auto Access	52.9449506
Active commuting	56.70473502
Social	—
2-parent households	19.17105094
Voting	67.22699859
Neighborhood	—
Alcohol availability	71.87219299

Park access	52.55998973
Retail density	27.37071731
Supermarket access	19.78698832
Tree canopy	9.187732581
Housing	—
Homeownership	39.93327345
Housing habitability	84.98652637
Low-inc homeowner severe housing cost burden	93.301681
Low-inc renter severe housing cost burden	84.08828436
Uncrowded housing	70.21686129
Health Outcomes	—
Insured adults	92.01847812
Arthritis	31.2
Asthma ER Admissions	73.6
High Blood Pressure	29.0
Cancer (excluding skin)	16.1
Asthma	51.9
Coronary Heart Disease	37.1
Chronic Obstructive Pulmonary Disease	50.7
Diagnosed Diabetes	80.8
Life Expectancy at Birth	53.0
Cognitively Disabled	66.4
Physically Disabled	26.6
Heart Attack ER Admissions	46.6
Mental Health Not Good	60.0
Chronic Kidney Disease	45.1
Obesity	52.4
Pedestrian Injuries	74.9

Physical Health Not Good	65.0
Stroke	45.2
Health Risk Behaviors	—
Binge Drinking	11.3
Current Smoker	53.5
No Leisure Time for Physical Activity	58.6
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	53.3
Elderly	40.9
English Speaking	76.1
Foreign-born	16.0
Outdoor Workers	46.6
Climate Change Adaptive Capacity	—
Impervious Surface Cover	59.7
Traffic Density	56.7
Traffic Access	0.0
Other Indices	—
Hardship	35.5
Other Decision Support	—
2016 Voting	53.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	30.0000
Healthy Places Index Score for Project Location (b)	57.0000
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No

Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Land Use	Based on information provided.
Operations: Vehicle Data	Based on information provided by the project traffic consultant.
Operations: Fleet Mix	Based on information provided by the traffic consultant.
Operations: Energy Use	The anticipated 1,201,933 kWh/yr of renewable electricity generated from onsite PV system is subtracted from the Title 24 electricity default total.
Operations: Water and Waste Water	Based on the Water Supply and Demand Analysis Coffee and Rosedale Commercial Retail Development Project study prepared by PlaceWorks. For purposes of modeling, all of the project water demand is assigned to the Regional Shopping Center land use.

8.3. Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	acre	7.69061	7.39000
Landscape Area	sq. ft	—	379,446

Special Landscape Area	sq. ft	—	0.00000
Lot Area	acre	0.12964	0.01000
Building Area	sq. ft	5,647.00	428.000
Landscape Area	sq. ft	—	0.00000
Lot Area	acre	0.01800	25.1500
Landscape Area	sq. ft	—	0.00000

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

Land Use	Model Parameter	Units	Default Value	New Value
Regional Shopping Center	Weekday Trip Rate	size/day	37.7500	36.3042
Regional Shopping Center	Saturday Trip Rate	size/day	46.1200	36.1606
Regional Shopping Center	Sunday Trip Rate	size/day	21.1000	14.9537
Regional Shopping Center	Non-Res H-W Trip Length	miles	8.50253	3.93588
Regional Shopping Center	Non-Res W-O Trip Length	miles	4.80598	0.00000
Regional Shopping Center	Non-Res O-O Trip Length	miles	5.08225	0.00000
Regional Shopping Center	Weekday Primary Trip	%	37.9200	100.0000
Regional Shopping Center	Weekday Divert Trip	%	28.0800	0.00000
Regional Shopping Center	Weekday Pass-By Trip	%	34.0000	0.00000
Regional Shopping Center	Saturday Primary Trip	%	42.5100	100.0000
Regional Shopping Center	Saturday Divert Trip	%	31.4900	0.00000
Regional Shopping Center	Saturday Pass-By Trip	%	26.0000	0.00000
Regional Shopping Center	Sunday Primary Trip	%	42.5100	100.0000
Regional Shopping Center	Sunday Divert Trip	%	31.4900	0.00000
Regional Shopping Center	Sunday Pass-By Trip	%	26.0000	0.00000
Regional Shopping Center	Non-Res H-W Trip	%	31.7132	100.0000

Regional Shopping Center	Non-Res W-O Trip	%	14.8513	0.00000
Regional Shopping Center	Non-Res O-O Trip	%	53.4356	0.00000
Medical Office Building	Weekday Trip Rate	size/day	34.8000	21.9739
Medical Office Building	Saturday Trip Rate	size/day	8.57000	2.41867
Medical Office Building	Sunday Trip Rate	size/day	1.42000	0.29970
Medical Office Building	Non-Res H-W Trip Length	miles	8.50253	3.93588
Medical Office Building	Non-Res W-O Trip Length	miles	4.80598	0.00000
Medical Office Building	Non-Res O-O Trip Length	miles	5.08225	0.00000
Medical Office Building	Non-Res H-W Trip	%	31.7132	100.0000
Medical Office Building	Non-Res W-O Trip	%	14.8513	0.00000
Medical Office Building	Non-Res O-O Trip	%	53.4356	0.00000
Convenience Market with Gas Pumps	Weekday Trip Rate	size/day	322.500	231.959
Convenience Market with Gas Pumps	Saturday Trip Rate	size/day	322.500	230.912
Convenience Market with Gas Pumps	Sunday Trip Rate	size/day	322.500	230.912
Convenience Market with Gas Pumps	Non-Res H-W Trip Length	miles	8.50253	3.93588
Convenience Market with Gas Pumps	Non-Res W-O Trip Length	miles	4.80598	0.00000
Convenience Market with Gas Pumps	Non-Res O-O Trip Length	miles	5.08225	0.00000
Convenience Market with Gas Pumps	Weekday Primary Trip	%	14.2400	100.0000
Convenience Market with Gas Pumps	Weekday Divert Trip	%	21.2600	0.00000
Convenience Market with Gas Pumps	Weekday Pass-By Trip	%	64.5000	0.00000
Convenience Market with Gas Pumps	Non-Res H-W Trip	%	31.7132	100.0000

Convenience Market with Gas Pumps	Non-Res W-O Trip	%	14.8513	0.00000
Convenience Market with Gas Pumps	Non-Res O-O Trip	%	53.4356	0.00000
Fast Food Restaurant with Drive Thru	Weekday Trip Rate	size/day	470.950	291.500
Fast Food Restaurant with Drive Thru	Saturday Trip Rate	size/day	616.120	392.004
Fast Food Restaurant with Drive Thru	Sunday Trip Rate	size/day	472.580	248.567
Fast Food Restaurant with Drive Thru	Non-Res H-W Trip Length	miles	8.50253	3.93588
Fast Food Restaurant with Drive Thru	Non-Res W-O Trip Length	miles	4.80598	0.00000
Fast Food Restaurant with Drive Thru	Non-Res O-O Trip Length	miles	5.08225	0.00000
Fast Food Restaurant with Drive Thru	Weekday Primary Trip	%	26.5000	100.0000
Fast Food Restaurant with Drive Thru	Weekday Divert Trip	%	24.0000	0.00000
Fast Food Restaurant with Drive Thru	Weekday Pass-By Trip	%	49.5000	0.00000
Fast Food Restaurant with Drive Thru	Non-Res H-W Trip	%	31.7132	100.0000
Fast Food Restaurant with Drive Thru	Non-Res W-O Trip	%	14.8513	0.00000
Fast Food Restaurant with Drive Thru	Non-Res O-O Trip	%	53.4356	0.00000
Automobile Care Center	Weekday Trip Rate	size/day	23.7200	102.927
Automobile Care Center	Saturday Trip Rate	size/day	23.7200	107.868
Automobile Care Center	Sunday Trip Rate	size/day	11.8800	107.868
Automobile Care Center	Non-Res H-W Trip Length	miles	8.50253	3.93588
Automobile Care Center	Non-Res W-O Trip Length	miles	4.80598	0.00000
Automobile Care Center	Non-Res O-O Trip Length	miles	5.08225	0.00000

Automobile Care Center	Weekday Primary Trip	%	53.3000	100.0000
Automobile Care Center	Weekday Divert Trip	%	11.2000	0.00000
Automobile Care Center	Weekday Pass-By Trip	%	35.5000	0.00000
Automobile Care Center	Non-Res H-W Trip	%	31.7132	100.0000
Automobile Care Center	Non-Res W-O Trip	%	14.8513	0.00000
Automobile Care Center	Non-Res O-O Trip	%	53.4356	0.00000
Unrefrigerated Warehouse-No Rail	Weekday Trip Rate	size/day	1.74000	1.18300
Unrefrigerated Warehouse-No Rail	Saturday Trip Rate	size/day	1.74000	1.27400
Unrefrigerated Warehouse-No Rail	Sunday Trip Rate	size/day	1.74000	0.91000
Unrefrigerated Warehouse-No Rail	Non-Res H-W Trip Length	miles	8.50253	3.93588
Unrefrigerated Warehouse-No Rail	Non-Res W-O Trip Length	miles	4.80598	0.00000
Unrefrigerated Warehouse-No Rail	Non-Res O-O Trip Length	miles	5.08225	0.00000
Unrefrigerated Warehouse-No Rail	Non-Res H-W Trip	%	31.7132	100.0000
Unrefrigerated Warehouse-No Rail	Non-Res W-O Trip	%	14.8513	0.00000
Unrefrigerated Warehouse-No Rail	Non-Res O-O Trip	%	53.4356	0.00000
Parking Lot	Non-Res H-W Trip	%	31.7132	100.0000
Parking Lot	Non-Res W-O Trip	%	14.8513	0.00000
Parking Lot	Non-Res O-O Trip	%	53.4356	0.00000
Other Asphalt Surfaces	Non-Res H-W Trip	%	31.7132	100.0000
Other Asphalt Surfaces	Non-Res W-O Trip	%	14.8513	0.00000
Other Asphalt Surfaces	Non-Res O-O Trip	%	53.4356	0.00000
Other Non-Asphalt Surfaces	Non-Res H-W Trip	%	31.7132	100.0000
Other Non-Asphalt Surfaces	Non-Res W-O Trip	%	14.8513	0.00000
Other Non-Asphalt Surfaces	Non-Res O-O Trip	%	53.4356	0.00000

8.5.1.2. Fleet Mix

Land Use	Season	Model Parameter	Units	Default Value	New Value
Regional Shopping Center	A	Heavy-Heavy-Duty Trucks	%	4%	1%

Regional Shopping Center	A	Passenger Cars	%	43%	43%
Regional Shopping Center	A	Light-Duty Trucks 1	%	4%	4%
Regional Shopping Center	A	Light-Duty Trucks 2	%	22%	22%
Regional Shopping Center	A	Light Heavy-Duty Trucks 1	%	3%	5%
Regional Shopping Center	A	Light Heavy-Duty Trucks 2	%	1%	2%
Regional Shopping Center	A	Motorcycles	%	2%	2%
Regional Shopping Center	A	Medium-Duty Trucks	%	19%	19%
Regional Shopping Center	A	Motor Homes	%	< 0.5%	0%
Regional Shopping Center	A	Medium-Heavy-Duty Trucks	%	2%	3%
Regional Shopping Center	A	Other Buses	%	< 0.5%	0%
Regional Shopping Center	A	School Buses	%	< 0.5%	0%
Regional Shopping Center	A	Urban Buses	%	< 0.5%	0%
Regional Shopping Center	S	Heavy-Heavy-Duty Trucks	%	4%	1%
Regional Shopping Center	S	Passenger Cars	%	43%	43%
Regional Shopping Center	S	Light-Duty Trucks 1	%	4%	4%
Regional Shopping Center	S	Light-Duty Trucks 2	%	22%	22%
Regional Shopping Center	S	Light Heavy-Duty Trucks 1	%	3%	5%
Regional Shopping Center	S	Light Heavy-Duty Trucks 2	%	1%	2%
Regional Shopping Center	S	Motorcycles	%	2%	2%
Regional Shopping Center	S	Medium-Duty Trucks	%	19%	19%
Regional Shopping Center	S	Motor Homes	%	< 0.5%	0%
Regional Shopping Center	S	Medium-Heavy-Duty Trucks	%	2%	3%
Regional Shopping Center	S	Other Buses	%	< 0.5%	0%
Regional Shopping Center	S	School Buses	%	< 0.5%	0%
Regional Shopping Center	S	Urban Buses	%	< 0.5%	0%
Regional Shopping Center	W	Heavy-Heavy-Duty Trucks	%	4%	1%
Regional Shopping Center	W	Passenger Cars	%	43%	43%
Regional Shopping Center	W	Light-Duty Trucks 1	%	4%	4%

Regional Shopping Center	W	Light-Duty Trucks 2	%	22%	22%
Regional Shopping Center	W	Light Heavy-Duty Trucks 1	%	3%	5%
Regional Shopping Center	W	Light Heavy-Duty Trucks 2	%	1%	2%
Regional Shopping Center	W	Motorcycles	%	2%	2%
Regional Shopping Center	W	Medium-Duty Trucks	%	19%	19%
Regional Shopping Center	W	Motor Homes	%	< 0.5%	0%
Regional Shopping Center	W	Medium-Heavy-Duty Trucks	%	2%	3%
Regional Shopping Center	W	Other Buses	%	< 0.5%	0%
Regional Shopping Center	W	School Buses	%	< 0.5%	0%
Regional Shopping Center	W	Urban Buses	%	< 0.5%	0%
Medical Office Building	A	Heavy-Heavy-Duty Trucks	%	4%	1%
Medical Office Building	A	Passenger Cars	%	43%	43%
Medical Office Building	A	Light-Duty Trucks 1	%	4%	4%
Medical Office Building	A	Light-Duty Trucks 2	%	22%	22%
Medical Office Building	A	Light Heavy-Duty Trucks 1	%	3%	5%
Medical Office Building	A	Light Heavy-Duty Trucks 2	%	1%	2%
Medical Office Building	A	Motorcycles	%	2%	2%
Medical Office Building	A	Medium-Duty Trucks	%	19%	19%
Medical Office Building	A	Motor Homes	%	< 0.5%	0%
Medical Office Building	A	Medium-Heavy-Duty Trucks	%	2%	3%
Medical Office Building	A	Other Buses	%	< 0.5%	0%
Medical Office Building	A	School Buses	%	< 0.5%	0%
Medical Office Building	A	Urban Buses	%	< 0.5%	0%
Medical Office Building	S	Heavy-Heavy-Duty Trucks	%	4%	1%
Medical Office Building	S	Passenger Cars	%	43%	43%
Medical Office Building	S	Light-Duty Trucks 1	%	4%	4%
Medical Office Building	S	Light-Duty Trucks 2	%	22%	22%
Medical Office Building	S	Light Heavy-Duty Trucks 1	%	3%	5%

Medical Office Building	S	Light Heavy-Duty Trucks 2	%	1%	2%
Medical Office Building	S	Motorcycles	%	2%	2%
Medical Office Building	S	Medium-Duty Trucks	%	19%	19%
Medical Office Building	S	Motor Homes	%	< 0.5%	0%
Medical Office Building	S	Medium-Heavy-Duty Trucks	%	2%	3%
Medical Office Building	S	Other Buses	%	< 0.5%	0%
Medical Office Building	S	School Buses	%	< 0.5%	0%
Medical Office Building	S	Urban Buses	%	< 0.5%	0%
Medical Office Building	W	Heavy-Heavy-Duty Trucks	%	4%	1%
Medical Office Building	W	Passenger Cars	%	43%	43%
Medical Office Building	W	Light-Duty Trucks 1	%	4%	4%
Medical Office Building	W	Light-Duty Trucks 2	%	22%	22%
Medical Office Building	W	Light Heavy-Duty Trucks 1	%	3%	5%
Medical Office Building	W	Light Heavy-Duty Trucks 2	%	1%	2%
Medical Office Building	W	Motorcycles	%	2%	2%
Medical Office Building	W	Medium-Duty Trucks	%	19%	19%
Medical Office Building	W	Motor Homes	%	< 0.5%	0%
Medical Office Building	W	Medium-Heavy-Duty Trucks	%	2%	3%
Medical Office Building	W	Other Buses	%	< 0.5%	0%
Medical Office Building	W	School Buses	%	< 0.5%	0%
Medical Office Building	W	Urban Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	A	Heavy-Heavy-Duty Trucks	%	4%	1%
Convenience Market with Gas Pumps	A	Passenger Cars	%	43%	43%
Convenience Market with Gas Pumps	A	Light-Duty Trucks 1	%	4%	4%
Convenience Market with Gas Pumps	A	Light-Duty Trucks 2	%	22%	22%

Convenience Market with Gas Pumps	A	Light Heavy-Duty Trucks 1	%	3%	5%
Convenience Market with Gas Pumps	A	Light Heavy-Duty Trucks 2	%	1%	2%
Convenience Market with Gas Pumps	A	Motorcycles	%	2%	2%
Convenience Market with Gas Pumps	A	Medium-Duty Trucks	%	19%	19%
Convenience Market with Gas Pumps	A	Motor Homes	%	< 0.5%	0%
Convenience Market with Gas Pumps	A	Medium-Heavy-Duty Trucks	%	2%	3%
Convenience Market with Gas Pumps	A	Other Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	A	School Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	A	Urban Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	S	Heavy-Heavy-Duty Trucks	%	4%	1%
Convenience Market with Gas Pumps	S	Passenger Cars	%	43%	43%
Convenience Market with Gas Pumps	S	Light-Duty Trucks 1	%	4%	4%
Convenience Market with Gas Pumps	S	Light-Duty Trucks 2	%	22%	22%
Convenience Market with Gas Pumps	S	Light Heavy-Duty Trucks 1	%	3%	5%
Convenience Market with Gas Pumps	S	Light Heavy-Duty Trucks 2	%	1%	2%
Convenience Market with Gas Pumps	S	Motorcycles	%	2%	2%
Convenience Market with Gas Pumps	S	Medium-Duty Trucks	%	19%	19%

Convenience Market with Gas Pumps	S	Motor Homes	%	< 0.5%	0%
Convenience Market with Gas Pumps	S	Medium-Heavy-Duty Trucks	%	2%	3%
Convenience Market with Gas Pumps	S	Other Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	S	School Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	S	Urban Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	W	Heavy-Heavy-Duty Trucks	%	4%	1%
Convenience Market with Gas Pumps	W	Passenger Cars	%	43%	43%
Convenience Market with Gas Pumps	W	Light-Duty Trucks 1	%	4%	4%
Convenience Market with Gas Pumps	W	Light-Duty Trucks 2	%	22%	22%
Convenience Market with Gas Pumps	W	Light Heavy-Duty Trucks 1	%	3%	5%
Convenience Market with Gas Pumps	W	Light Heavy-Duty Trucks 2	%	1%	2%
Convenience Market with Gas Pumps	W	Motorcycles	%	2%	2%
Convenience Market with Gas Pumps	W	Medium-Duty Trucks	%	19%	19%
Convenience Market with Gas Pumps	W	Motor Homes	%	< 0.5%	0%
Convenience Market with Gas Pumps	W	Medium-Heavy-Duty Trucks	%	2%	3%
Convenience Market with Gas Pumps	W	Other Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	W	School Buses	%	< 0.5%	0%

Convenience Market with Gas Pumps	W	Urban Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	A	Heavy-Heavy-Duty Trucks	%	4%	1%
Fast Food Restaurant with Drive Thru	A	Passenger Cars	%	43%	43%
Fast Food Restaurant with Drive Thru	A	Light-Duty Trucks 1	%	4%	4%
Fast Food Restaurant with Drive Thru	A	Light-Duty Trucks 2	%	22%	22%
Fast Food Restaurant with Drive Thru	A	Light Heavy-Duty Trucks 1	%	3%	5%
Fast Food Restaurant with Drive Thru	A	Light Heavy-Duty Trucks 2	%	1%	2%
Fast Food Restaurant with Drive Thru	A	Motorcycles	%	2%	2%
Fast Food Restaurant with Drive Thru	A	Medium-Duty Trucks	%	19%	19%
Fast Food Restaurant with Drive Thru	A	Motor Homes	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	A	Medium-Heavy-Duty Trucks	%	2%	3%
Fast Food Restaurant with Drive Thru	A	Other Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	A	School Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	A	Urban Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	S	Heavy-Heavy-Duty Trucks	%	4%	1%
Fast Food Restaurant with Drive Thru	S	Passenger Cars	%	43%	43%
Fast Food Restaurant with Drive Thru	S	Light-Duty Trucks 1	%	4%	4%

Fast Food Restaurant with Drive Thru	S	Light-Duty Trucks 2	%	22%	22%
Fast Food Restaurant with Drive Thru	S	Light Heavy-Duty Trucks 1	%	3%	5%
Fast Food Restaurant with Drive Thru	S	Light Heavy-Duty Trucks 2	%	1%	2%
Fast Food Restaurant with Drive Thru	S	Motorcycles	%	2%	2%
Fast Food Restaurant with Drive Thru	S	Medium-Duty Trucks	%	19%	19%
Fast Food Restaurant with Drive Thru	S	Motor Homes	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	S	Medium-Heavy-Duty Trucks	%	2%	3%
Fast Food Restaurant with Drive Thru	S	Other Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	S	School Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	S	Urban Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	W	Heavy-Heavy-Duty Trucks	%	4%	1%
Fast Food Restaurant with Drive Thru	W	Passenger Cars	%	43%	43%
Fast Food Restaurant with Drive Thru	W	Light-Duty Trucks 1	%	4%	4%
Fast Food Restaurant with Drive Thru	W	Light-Duty Trucks 2	%	22%	22%
Fast Food Restaurant with Drive Thru	W	Light Heavy-Duty Trucks 1	%	3%	5%
Fast Food Restaurant with Drive Thru	W	Light Heavy-Duty Trucks 2	%	1%	2%
Fast Food Restaurant with Drive Thru	W	Motorcycles	%	2%	2%

Fast Food Restaurant with Drive Thru	W	Medium-Duty Trucks	%	19%	19%
Fast Food Restaurant with Drive Thru	W	Motor Homes	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	W	Medium-Heavy-Duty Trucks	%	2%	3%
Fast Food Restaurant with Drive Thru	W	Other Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	W	School Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	W	Urban Buses	%	< 0.5%	0%
Automobile Care Center	A	Heavy-Heavy-Duty Trucks	%	4%	1%
Automobile Care Center	A	Passenger Cars	%	43%	43%
Automobile Care Center	A	Light-Duty Trucks 1	%	4%	4%
Automobile Care Center	A	Light-Duty Trucks 2	%	22%	22%
Automobile Care Center	A	Light Heavy-Duty Trucks 1	%	3%	5%
Automobile Care Center	A	Light Heavy-Duty Trucks 2	%	1%	2%
Automobile Care Center	A	Motorcycles	%	2%	2%
Automobile Care Center	A	Medium-Duty Trucks	%	19%	19%
Automobile Care Center	A	Motor Homes	%	< 0.5%	0%
Automobile Care Center	A	Medium-Heavy-Duty Trucks	%	2%	3%
Automobile Care Center	A	Other Buses	%	< 0.5%	0%
Automobile Care Center	A	School Buses	%	< 0.5%	0%
Automobile Care Center	A	Urban Buses	%	< 0.5%	0%
Automobile Care Center	S	Heavy-Heavy-Duty Trucks	%	4%	1%
Automobile Care Center	S	Passenger Cars	%	43%	43%
Automobile Care Center	S	Light-Duty Trucks 1	%	4%	4%
Automobile Care Center	S	Light-Duty Trucks 2	%	22%	22%
Automobile Care Center	S	Light Heavy-Duty Trucks 1	%	3%	5%
Automobile Care Center	S	Light Heavy-Duty Trucks 2	%	1%	2%

Automobile Care Center	S	Motorcycles	%	2%	2%
Automobile Care Center	S	Medium-Duty Trucks	%	19%	19%
Automobile Care Center	S	Motor Homes	%	< 0.5%	0%
Automobile Care Center	S	Medium-Heavy-Duty Trucks	%	2%	3%
Automobile Care Center	S	Other Buses	%	< 0.5%	0%
Automobile Care Center	S	School Buses	%	< 0.5%	0%
Automobile Care Center	S	Urban Buses	%	< 0.5%	0%
Automobile Care Center	W	Heavy-Heavy-Duty Trucks	%	4%	1%
Automobile Care Center	W	Passenger Cars	%	43%	43%
Automobile Care Center	W	Light-Duty Trucks 1	%	4%	4%
Automobile Care Center	W	Light-Duty Trucks 2	%	22%	22%
Automobile Care Center	W	Light Heavy-Duty Trucks 1	%	3%	5%
Automobile Care Center	W	Light Heavy-Duty Trucks 2	%	1%	2%
Automobile Care Center	W	Motorcycles	%	2%	2%
Automobile Care Center	W	Medium-Duty Trucks	%	19%	19%
Automobile Care Center	W	Motor Homes	%	< 0.5%	0%
Automobile Care Center	W	Medium-Heavy-Duty Trucks	%	2%	3%
Automobile Care Center	W	Other Buses	%	< 0.5%	0%
Automobile Care Center	W	School Buses	%	< 0.5%	0%
Automobile Care Center	W	Urban Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	A	Heavy-Heavy-Duty Trucks	%	4%	1%
Unrefrigerated Warehouse-No Rail	A	Passenger Cars	%	43%	43%
Unrefrigerated Warehouse-No Rail	A	Light-Duty Trucks 1	%	4%	4%
Unrefrigerated Warehouse-No Rail	A	Light-Duty Trucks 2	%	22%	22%
Unrefrigerated Warehouse-No Rail	A	Light Heavy-Duty Trucks 1	%	3%	5%

Unrefrigerated Warehouse-No Rail	A	Light Heavy-Duty Trucks 2	%	1%	2%
Unrefrigerated Warehouse-No Rail	A	Motorcycles	%	2%	2%
Unrefrigerated Warehouse-No Rail	A	Medium-Duty Trucks	%	19%	19%
Unrefrigerated Warehouse-No Rail	A	Motor Homes	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	A	Medium-Heavy-Duty Trucks	%	2%	3%
Unrefrigerated Warehouse-No Rail	A	Other Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	A	School Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	A	Urban Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	S	Heavy-Heavy-Duty Trucks	%	4%	1%
Unrefrigerated Warehouse-No Rail	S	Passenger Cars	%	43%	43%
Unrefrigerated Warehouse-No Rail	S	Light-Duty Trucks 1	%	4%	4%
Unrefrigerated Warehouse-No Rail	S	Light-Duty Trucks 2	%	22%	22%
Unrefrigerated Warehouse-No Rail	S	Light Heavy-Duty Trucks 1	%	3%	5%
Unrefrigerated Warehouse-No Rail	S	Light Heavy-Duty Trucks 2	%	1%	2%
Unrefrigerated Warehouse-No Rail	S	Motorcycles	%	2%	2%
Unrefrigerated Warehouse-No Rail	S	Medium-Duty Trucks	%	19%	19%
Unrefrigerated Warehouse-No Rail	S	Motor Homes	%	< 0.5%	0%

Unrefrigerated Warehouse-No Rail	S	Medium-Heavy-Duty Trucks	%	2%	3%
Unrefrigerated Warehouse-No Rail	S	Other Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	S	School Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	S	Urban Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	W	Heavy-Heavy-Duty Trucks	%	4%	1%
Unrefrigerated Warehouse-No Rail	W	Passenger Cars	%	43%	43%
Unrefrigerated Warehouse-No Rail	W	Light-Duty Trucks 1	%	4%	4%
Unrefrigerated Warehouse-No Rail	W	Light-Duty Trucks 2	%	22%	22%
Unrefrigerated Warehouse-No Rail	W	Light Heavy-Duty Trucks 1	%	3%	5%
Unrefrigerated Warehouse-No Rail	W	Light Heavy-Duty Trucks 2	%	1%	2%
Unrefrigerated Warehouse-No Rail	W	Motorcycles	%	2%	2%
Unrefrigerated Warehouse-No Rail	W	Medium-Duty Trucks	%	19%	19%
Unrefrigerated Warehouse-No Rail	W	Motor Homes	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	W	Medium-Heavy-Duty Trucks	%	2%	3%
Unrefrigerated Warehouse-No Rail	W	Other Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	W	School Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	W	Urban Buses	%	< 0.5%	0%

8.5.3. Energy Usage

Land Use	Model Parameter	Units	Default Value	New Value
Regional Shopping Center	Electricity	kWh/yr	3,537,659	2,335,726
Regional Shopping Center	Electricity (Subject to Title 24)	kWh/yr	2,732,418	1,530,485

8.5.4. Water and Waste Water

Land Use	Model Parameter	Units	Default Value	New Value
Regional Shopping Center	Indoor Water	gal/year	24,814,517	54,357,625
Regional Shopping Center	Outdoor Water	gal/year	6,188,637	0.00000
Medical Office Building	Indoor Water	gal/year	1,145,512	0.00000
Convenience Market with Gas Pumps	Indoor Water	gal/year	418,287	0.00000
Fast Food Restaurant with Drive Thru	Indoor Water	gal/year	5,120,917	0.00000
Automobile Care Center	Indoor Water	gal/year	385,733	0.00000
Unrefrigerated Warehouse-No Rail	Indoor Water	gal/year	9,250,000	0.00000

LOKH-01_Operation Full Buildout_Mitigated_AQ Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	LOKH-01_Operation Full Buildout_Mitigated_AQ
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70000
Precipitation (days)	18.0000
Location	35.382244024302594, -119.09464262587437
County	Kern-San Joaquin
City	Bakersfield
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2817
EDFZ	5
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Southern California Gas
App Version	2022.1.1.41

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Regional Shopping Center	335.003	1000sqft	7.39000	335,003	379,446	0.00000	—	—

Medical Office Building	9.12900	1000sqft	0.20957	9,129.00	0.00000	—	—	—
Convenience Market with Gas Pumps	40.0000	Pump	0.01000	428.000	0.00000	—	—	—
Fast Food Restaurant with Drive Thru	16.8710	1000sqft	0.38730	16,871.0	0.00000	—	—	—
Automobile Care Center	4.10000	1000sqft	0.09412	4,100.00	0.00000	—	—	—
Unrefrigerated Warehouse-No Rail	40.0000	1000sqft	0.91827	40,000.0	0.00000	—	—	—
Parking Lot	2.00000	Space	25.1500	0.00000	0.00000	—	—	—
Other Asphalt Surfaces	390.408	1000sqft	8.96253	0.00000	0.00000	—	—	—
Other Non-Asphalt Surfaces	3.03616	Acre	3.03616	0.00000	0.00000	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Area Sources	LL-1	Replace Gas Powered Landscape Equipment with Zero-Emission Landscape Equipment
Area Sources	AS-2	Use Low-VOC Paints

2. Emissions Summary

2.3. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	101.052	96.6986	58.2666	480.471	1.02358	0.99422	80.4144	81.4086	0.93701	20.4404	21.3774	489.446	108,082	108,572	54.8119	6.04619	448.279	112,192
Mit.	97.7569	93.6454	58.1181	462.834	1.02253	0.96289	80.4144	81.3773	0.91333	20.4404	21.3537	489.446	108,016	108,506	54.8099	6.04569	448.279	112,126
% Reduced	3%	3%	< 0.5%	4%	< 0.5%	3%	—	< 0.5%	3%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	—	—	< 0.5%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	89.4616	84.8740	65.8080	430.733	0.93923	0.96402	80.4144	81.3784	0.91440	20.4404	21.3548	489.446	99,585.2	100,075	55.9262	6.44926	125.546	103,520
Mit.	89.3047	84.7171	65.8080	430.733	0.93923	0.96402	80.4144	81.3784	0.91440	20.4404	21.3548	489.446	99,585.2	100,075	55.9262	6.44926	125.546	103,520
% Reduced	< 0.5%	< 0.5%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	83.8458	79.8082	56.4089	384.967	0.87410	0.90099	72.1065	73.0075	0.85224	18.3321	19.1843	489.446	92,902.9	93,392.3	54.8172	5.66711	246.729	96,698.3
Mit.	82.1412	78.2230	56.3357	376.270	0.87358	0.88554	72.1065	72.9920	0.84056	18.3321	19.1726	489.446	92,870.2	93,359.7	54.8162	5.66686	246.729	96,665.5
% Reduced	2%	2%	< 0.5%	2%	—	2%	—	< 0.5%	1%	—	< 0.5%	—	< 0.5%	< 0.5%	—	—	—	< 0.5%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	15.3019	14.5650	10.2946	70.2565	0.15952	0.16443	13.1594	13.3239	0.15553	3.34561	3.50114	81.0334	15,381.1	15,462.2	9.07561	0.93825	40.8488	16,009.5
Mit.	14.9908	14.2757	10.2813	68.6692	0.15943	0.16161	13.1594	13.3210	0.15340	3.34561	3.49901	81.0334	15,375.7	15,456.8	9.07545	0.93821	40.8488	16,004.1
% Reduced	2%	2%	< 0.5%	2%	< 0.5%	2%	—	< 0.5%	1%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

2.4. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	88.2880	84.2674	56.4662	461.447	1.01261	0.83734	80.4144	81.2518	0.78778	20.4404	21.2281	—	103,255	103,255	4.99575	5.73350	331.325	105,420

Area	12.5824	12.3404	0.14841	17.6370	0.00105	0.03133	—	0.03133	0.02368	—	0.02368	—	72.5279	72.5279	0.00304	0.00062	—	72.7894
Energy	0.18171	0.09086	1.65193	1.38762	0.00991	0.12555	—	0.12555	0.12555	—	0.12555	—	4,634.91	4,634.91	0.60539	0.05595	—	4,666.71
Water	—	—	—	—	—	—	—	—	—	—	—	104.162	119.662	223.824	10.7000	0.25611	—	567.646
Waste	—	—	—	—	—	—	—	—	—	—	—	385.284	0.00000	385.284	38.5077	0.00000	—	1,347.98
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.954	116.954
Total	101.052	96.6986	58.2666	480.471	1.02358	0.99422	80.4144	81.4086	0.93701	20.4404	21.3774	489.446	108,082	108,572	54.8119	6.04619	448.279	112,192
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	79.8358	75.3391	64.1561	429.346	0.92932	0.83847	80.4144	81.2529	0.78886	20.4404	21.2292	—	94,830.6	94,830.6	6.11310	6.13719	8.59175	96,820.9
Area	9.44408	9.44408	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.18171	0.09086	1.65193	1.38762	0.00991	0.12555	—	0.12555	0.12555	—	0.12555	—	4,634.91	4,634.91	0.60539	0.05595	—	4,666.71
Water	—	—	—	—	—	—	—	—	—	—	—	104.162	119.662	223.824	10.7000	0.25611	—	567.646
Waste	—	—	—	—	—	—	—	—	—	—	—	385.284	0.00000	385.284	38.5077	0.00000	—	1,347.98
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.954	116.954
Total	89.4616	84.8740	65.8080	430.733	0.93923	0.96402	80.4144	81.3784	0.91440	20.4404	21.3548	489.446	99,585.2	100,075	55.9262	6.44926	125.546	103,520
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	72.6723	68.8449	54.6838	374.882	0.86367	0.75999	72.1065	72.8665	0.71501	18.3321	19.0471	—	88,112.5	88,112.5	5.00258	5.35474	129.775	89,963.1
Area	10.9918	10.8724	0.07319	8.69770	0.00052	0.01545	—	0.01545	0.01168	—	0.01168	—	35.7672	35.7672	0.00150	0.00031	—	35.8961
Energy	0.18171	0.09086	1.65193	1.38762	0.00991	0.12555	—	0.12555	0.12555	—	0.12555	—	4,634.91	4,634.91	0.60539	0.05595	—	4,666.71
Water	—	—	—	—	—	—	—	—	—	—	—	104.162	119.662	223.824	10.7000	0.25611	—	567.646
Waste	—	—	—	—	—	—	—	—	—	—	—	385.284	0.00000	385.284	38.5077	0.00000	—	1,347.98
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.954	116.954
Total	83.8458	79.8082	56.4089	384.967	0.87410	0.90099	72.1065	73.0075	0.85224	18.3321	19.1843	489.446	92,902.9	93,392.3	54.8172	5.66711	246.729	96,698.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	13.2627	12.5642	9.97979	68.4160	0.15762	0.13870	13.1594	13.2981	0.13049	3.34561	3.47610	—	14,588.0	14,588.0	0.82823	0.88654	21.4857	14,894.4
Area	2.00600	1.98421	0.01336	1.58733	0.00009	0.00282	—	0.00282	0.00213	—	0.00213	—	5.92166	5.92166	0.00025	0.00005	—	5.94301
Energy	0.03316	0.01658	0.30148	0.25324	0.00181	0.02291	—	0.02291	0.02291	—	0.02291	—	767.362	767.362	0.10023	0.00926	—	772.628

Water	—	—	—	—	—	—	—	—	—	—	—	17.2452	19.8115	37.0567	1.77150	0.04240	—	93.9803
Waste	—	—	—	—	—	—	—	—	—	—	—	63.7881	0.00000	63.7881	6.37540	0.00000	—	223.173
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.3631	19.3631
Total	15.3019	14.5650	10.2946	70.2565	0.15952	0.16443	13.1594	13.3239	0.15553	3.34561	3.50114	81.0334	15,381.1	15,462.2	9.07561	0.93825	40.8488	16,009.5

2.5. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	88.2880	84.2674	56.4662	461.447	1.01261	0.83734	80.4144	81.2518	0.78778	20.4404	21.2281	—	103,255	103,255	4.99575	5.73350	331.325	105,420
Area	9.28719	9.28719	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.18171	0.09086	1.65193	1.38762	0.00991	0.12555	—	0.12555	0.12555	—	0.12555	—	4,641.26	4,641.26	0.60642	0.05607	—	4,673.13
Water	—	—	—	—	—	—	—	—	—	—	—	104.162	119.662	223.824	10.7000	0.25611	—	567.646
Waste	—	—	—	—	—	—	—	—	—	—	—	385.284	0.00000	385.284	38.5077	0.00000	—	1,347.98
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.954	116.954
Total	97.7569	93.6454	58.1181	462.834	1.02253	0.96289	80.4144	81.3773	0.91333	20.4404	21.3537	489.446	108,016	108,506	54.8099	6.04569	448.279	112,126
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	79.8358	75.3391	64.1561	429.346	0.92932	0.83847	80.4144	81.2529	0.78886	20.4404	21.2292	—	94,830.6	94,830.6	6.11310	6.13719	8.59175	96,820.9
Area	9.28719	9.28719	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.18171	0.09086	1.65193	1.38762	0.00991	0.12555	—	0.12555	0.12555	—	0.12555	—	4,634.91	4,634.91	0.60539	0.05595	—	4,666.71
Water	—	—	—	—	—	—	—	—	—	—	—	104.162	119.662	223.824	10.7000	0.25611	—	567.646
Waste	—	—	—	—	—	—	—	—	—	—	—	385.284	0.00000	385.284	38.5077	0.00000	—	1,347.98
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.954	116.954
Total	89.3047	84.7171	65.8080	430.733	0.93923	0.96402	80.4144	81.3784	0.91440	20.4404	21.3548	489.446	99,585.2	100,075	55.9262	6.44926	125.546	103,520
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	72.6723	68.8449	54.6838	374.882	0.86367	0.75999	72.1065	72.8665	0.71501	18.3321	19.0471	—	88,112.5	88,112.5	5.00258	5.35474	129.775	89,963.1
Area	9.28719	9.28719	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.18171	0.09086	1.65193	1.38762	0.00991	0.12555	—	0.12555	0.12555	—	0.12555	—	4,638.04	4,638.04	0.60590	0.05601	—	4,669.88
Water	—	—	—	—	—	—	—	—	—	—	—	104.162	119.662	223.824	10.7000	0.25611	—	567.646
Waste	—	—	—	—	—	—	—	—	—	—	—	385.284	0.00000	385.284	38.5077	0.00000	—	1,347.98
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.954	116.954
Total	82.1412	78.2230	56.3357	376.270	0.87358	0.88554	72.1065	72.9920	0.84056	18.3321	19.1726	489.446	92,870.2	93,359.7	54.8162	5.66686	246.729	96,665.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	13.2627	12.5642	9.97979	68.4160	0.15762	0.13870	13.1594	13.2981	0.13049	3.34561	3.47610	—	14,588.0	14,588.0	0.82823	0.88654	21.4857	14,894.4
Area	1.69491	1.69491	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.03316	0.01658	0.30148	0.25324	0.00181	0.02291	—	0.02291	0.02291	—	0.02291	—	767.880	767.880	0.10031	0.00927	—	773.152
Water	—	—	—	—	—	—	—	—	—	—	—	17.2452	19.8115	37.0567	1.77150	0.04240	—	93.9803
Waste	—	—	—	—	—	—	—	—	—	—	—	63.7881	0.00000	63.7881	6.37540	0.00000	—	223.173
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.3631	19.3631
Total	14.9908	14.2757	10.2813	68.6692	0.15943	0.16161	13.1594	13.3210	0.15340	3.34561	3.49901	81.0334	15,375.7	15,456.8	9.07545	0.93821	40.8488	16,004.1

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Regional Shopping Center	37.3511	35.6502	23.8886	195.220	0.42840	0.35425	34.0201	34.3744	0.33328	8.64750	8.98078	—	43,683.2	43,683.2	2.11350	2.42562	140.170	44,599.0
Medical Office Building	0.61607	0.58801	0.39402	3.21995	0.00707	0.00584	0.56113	0.56697	0.00550	0.14263	0.14813	—	720.510	720.510	0.03486	0.04001	2.31197	735.616
Convenience Market with Gas Pumps	28.4951	27.1974	18.2246	148.933	0.32682	0.27025	25.9539	26.2241	0.25426	6.59716	6.85141	—	33,325.8	33,325.8	1.61239	1.85050	106.936	34,024.5
Fast Food Restaurant with Drive Thru	20.3110	19.3860	12.9902	106.157	0.23296	0.19263	18.4996	18.6922	0.18123	4.70237	4.88360	—	23,754.2	23,754.2	1.14929	1.31901	76.2223	24,252.2
Automobile Care Center	1.35824	1.29639	0.86869	7.09899	0.01558	0.01288	1.23711	1.24999	0.01212	0.31446	0.32658	—	1,588.50	1,588.50	0.07686	0.08821	5.09716	1,621.80
Unrefrigerated Warehouse-No Rail	0.15651	0.14938	0.10010	0.81799	0.00180	0.00148	0.14255	0.14403	0.00140	0.03623	0.03763	—	183.037	183.037	0.00886	0.01016	0.58733	186.874
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	88.2880	84.2674	56.4662	461.447	1.01261	0.83734	80.4144	81.2518	0.78778	20.4404	21.2281	—	103,255	103,255	4.99575	5.73350	331.325	105,420

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	33.7754	31.8730	27.1419	181.639	0.39316	0.35472	34.0201	34.3749	0.33373	8.64750	8.98124	—	40,119.1	40,119.1	2.58621	2.59640	3.63483	40,961.1
Medical Office Building	0.55709	0.52571	0.44768	2.99596	0.00648	0.00585	0.56113	0.56698	0.00550	0.14263	0.14814	—	661.724	661.724	0.04266	0.04283	0.05995	675.612
Convenience Market with Gas Pumps	25.7671	24.3158	20.7065	138.572	0.29994	0.27062	25.9539	26.2245	0.25460	6.59716	6.85176	—	30,606.7	30,606.7	1.97301	1.98079	2.77300	31,249.1
Fast Food Restaurant with Drive Thru	18.3665	17.3320	14.7593	98.7724	0.21379	0.19289	18.4996	18.6925	0.18148	4.70237	4.88385	—	21,816.1	21,816.1	1.40634	1.41188	1.97656	22,274.0
Automobile Care Center	1.22821	1.15903	0.98699	6.60514	0.01430	0.01290	1.23711	1.25001	0.01214	0.31446	0.32659	—	1,458.89	1,458.89	0.09405	0.09442	0.13218	1,489.51
Unrefrigerated Warehouse-No Rail	0.14152	0.13355	0.11373	0.76109	0.00165	0.00149	0.14255	0.14403	0.00140	0.03623	0.03763	—	168.103	168.103	0.01084	0.01088	0.01523	171.631
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Total	79.8358	75.3391	64.1561	429.346	0.92932	0.83847	80.4144	81.2529	0.78886	20.4404	21.2292	—	94,830.6	94,830.6	6.11310	6.13719	8.59175	96,820.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	5.66233	5.36412	4.26074	29.2093	0.06729	0.05922	5.61824	5.67746	0.05571	1.42836	1.48407	—	6,228.16	6,228.16	0.35360	0.37850	9.17301	6,358.97
Medical Office Building	0.07468	0.07074	0.05619	0.38522	0.00089	0.00078	0.07410	0.07488	0.00073	0.01884	0.01957	—	82.1394	82.1394	0.00466	0.00499	0.12098	83.8645
Convenience Market with Gas Pumps	4.71281	4.46461	3.54625	24.3112	0.05601	0.04929	4.67612	4.72540	0.04637	1.18884	1.23521	—	5,183.76	5,183.76	0.29431	0.31503	7.63479	5,292.63
Fast Food Restaurant with Drive Thru	2.57177	2.43633	1.93518	13.2665	0.03056	0.02690	2.55175	2.57864	0.02530	0.64875	0.67405	—	2,828.77	2,828.77	0.16060	0.17191	4.16629	2,888.18
Automobile Care Center	0.21757	0.20611	0.16371	1.12234	0.00259	0.00228	0.21588	0.21815	0.00214	0.05488	0.05702	—	239.311	239.311	0.01359	0.01454	0.35246	244.337
Unrefrigerated Warehouse-No Rail	0.02354	0.02230	0.01771	0.12142	0.00028	0.00025	0.02335	0.02360	0.00023	0.00594	0.00617	—	25.8897	25.8897	0.00147	0.00157	0.03813	26.4335
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Total	13.2627	12.5642	9.97979	68.4160	0.15762	0.13870	13.1594	13.2981	0.13049	3.34561	3.47610	—	14,588.0	14,588.0	0.82823	0.88654	21.4857	14,894.4

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	37.3511	35.6502	23.8886	195.220	0.42840	0.35425	34.0201	34.3744	0.33328	8.64750	8.98078	—	43,683.2	43,683.2	2.11350	2.42562	140.170	44,599.0
Medical Office Building	0.61607	0.58801	0.39402	3.21995	0.00707	0.00584	0.56113	0.56697	0.00550	0.14263	0.14813	—	720.510	720.510	0.03486	0.04001	2.31197	735.616
Convenience Market with Gas Pumps	28.4951	27.1974	18.2246	148.933	0.32682	0.27025	25.9539	26.2241	0.25426	6.59716	6.85141	—	33,325.8	33,325.8	1.61239	1.85050	106.936	34,024.5
Fast Food Restaurant with Drive Thru	20.3110	19.3860	12.9902	106.157	0.23296	0.19263	18.4996	18.6922	0.18123	4.70237	4.88360	—	23,754.2	23,754.2	1.14929	1.31901	76.2223	24,252.2
Automobile Care Center	1.35824	1.29639	0.86869	7.09899	0.01558	0.01288	1.23711	1.24999	0.01212	0.31446	0.32658	—	1,588.50	1,588.50	0.07686	0.08821	5.09716	1,621.80
Unrefrigerated Warehouse-No Rail	0.15651	0.14938	0.10010	0.81799	0.00180	0.00148	0.14255	0.14403	0.00140	0.03623	0.03763	—	183.037	183.037	0.00886	0.01016	0.58733	186.874

Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	88.2880	84.2674	56.4662	461.447	1.01261	0.83734	80.4144	81.2518	0.78778	20.4404	21.2281	—	103,255	103,255	4.99575	5.73350	331.325	105,420
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	33.7754	31.8730	27.1419	181.639	0.39316	0.35472	34.0201	34.3749	0.33373	8.64750	8.98124	—	40,119.1	40,119.1	2.58621	2.59640	3.63483	40,961.1
Medical Office Building	0.55709	0.52571	0.44768	2.99596	0.00648	0.00585	0.56113	0.56698	0.00550	0.14263	0.14814	—	661.724	661.724	0.04266	0.04283	0.05995	675.612
Convenience Market with Gas Pumps	25.7671	24.3158	20.7065	138.572	0.29994	0.27062	25.9539	26.2245	0.25460	6.59716	6.85176	—	30,606.7	30,606.7	1.97301	1.98079	2.77300	31,249.1
Fast Food Restaurant with Drive Thru	18.3665	17.3320	14.7593	98.7724	0.21379	0.19289	18.4996	18.6925	0.18148	4.70237	4.88385	—	21,816.1	21,816.1	1.40634	1.41188	1.97656	22,274.0
Automobile Care Center	1.22821	1.15903	0.98699	6.60514	0.01430	0.01290	1.23711	1.25001	0.01214	0.31446	0.32659	—	1,458.89	1,458.89	0.09405	0.09442	0.13218	1,489.51

Unrefrigerated Warehouse-No Rail	0.14152	0.13355	0.11373	0.76109	0.00165	0.00149	0.14255	0.14403	0.00140	0.03623	0.03763	—	168.103	168.103	0.01084	0.01088	0.01523	171.631
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	79.8358	75.3391	64.1561	429.346	0.92932	0.83847	80.4144	81.2529	0.78886	20.4404	21.2292	—	94,830.6	94,830.6	6.11310	6.13719	8.59175	96,820.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	5.66233	5.36412	4.26074	29.2093	0.06729	0.05922	5.61824	5.67746	0.05571	1.42836	1.48407	—	6,228.16	6,228.16	0.35360	0.37850	9.17301	6,358.97
Medical Office Building	0.07468	0.07074	0.05619	0.38522	0.00089	0.00078	0.07410	0.07488	0.00073	0.01884	0.01957	—	82.1394	82.1394	0.00466	0.00499	0.12098	83.8645
Convenience Market with Gas Pumps	4.71281	4.46461	3.54625	24.3112	0.05601	0.04929	4.67612	4.72540	0.04637	1.18884	1.23521	—	5,183.76	5,183.76	0.29431	0.31503	7.63479	5,292.63
Fast Food Restaurant with Drive Thru	2.57177	2.43633	1.93518	13.2665	0.03056	0.02690	2.55175	2.57864	0.02530	0.64875	0.67405	—	2,828.77	2,828.77	0.16060	0.17191	4.16629	2,888.18
Automobile Care Center	0.21757	0.20611	0.16371	1.12234	0.00259	0.00228	0.21588	0.21815	0.00214	0.05488	0.05702	—	239.311	239.311	0.01359	0.01454	0.35246	244.337

Unrefrig Warehouse-No Rail	0.02354	0.02230	0.01771	0.12142	0.00028	0.00025	0.02335	0.02360	0.00023	0.00594	0.00617	—	25.8897	25.8897	0.00147	0.00157	0.03813	26.4335
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	13.2627	12.5642	9.97979	68.4160	0.15762	0.13870	13.1594	13.2981	0.13049	3.34561	3.47610	—	14,588.0	14,588.0	0.82823	0.88654	21.4857	14,894.4

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	1,305.34	1,305.34	0.21118	0.02560	—	1,318.25
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	119.619	119.619	0.01935	0.00235	—	120.802
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	14.0307	14.0307	0.00227	0.00028	—	14.1694

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	421.294	421.294	0.06816	0.00826	—	425.460
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	27.1845	27.1845	0.00440	0.00053	—	27.4533
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	240.081	240.081	0.03884	0.00471	—	242.455
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	536.329	536.329	0.08677	0.01052	—	541.632
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,663.88	2,663.88	0.43096	0.05224	—	2,690.22
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	1,305.34	1,305.34	0.21118	0.02560	—	1,318.25
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	119.619	119.619	0.01935	0.00235	—	120.802

Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	14.0307	14.0307	0.00227	0.00028	—	14.1694
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	421.294	421.294	0.06816	0.00826	—	425.460
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	27.1845	27.1845	0.00440	0.00053	—	27.4533
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	240.081	240.081	0.03884	0.00471	—	242.455
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	536.329	536.329	0.08677	0.01052	—	541.632
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,663.88	2,663.88	0.43096	0.05224	—	2,690.22
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	216.114	216.114	0.03496	0.00424	—	218.251
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	19.8043	19.8043	0.00320	0.00039	—	20.0001

Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	2.32294	2.32294	0.00038	0.00005	—	2.34591
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	69.7501	69.7501	0.01128	0.00137	—	70.4397
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	4.50070	4.50070	0.00073	0.00009	—	4.54520
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	39.7482	39.7482	0.00643	0.00078	—	40.1412
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	88.7953	88.7953	0.01437	0.00174	—	89.6734
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	441.035	441.035	0.07135	0.00865	—	445.396

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Regional	—	—	—	—	—	—	—	—	—	—	—	—	1,310.59	1,310.59	0.21202	0.02570	—	1,323.55
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	119.762	119.762	0.01937	0.00235	—	120.946
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	14.0374	14.0374	0.00227	0.00028	—	14.1762
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	421.559	421.559	0.06820	0.00827	—	425.727
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	27.2487	27.2487	0.00441	0.00053	—	27.5182
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	240.708	240.708	0.03894	0.00472	—	243.088
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	536.329	536.329	0.08677	0.01052	—	541.632
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,670.23	2,670.23	0.43199	0.05236	—	2,696.63
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Regional	—	—	—	—	—	—	—	—	—	—	—	—	1,305.34	1,305.34	0.21118	0.02560	—	1,318.25
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	119.619	119.619	0.01935	0.00235	—	120.802
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	14.0307	14.0307	0.00227	0.00028	—	14.1694
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	421.294	421.294	0.06816	0.00826	—	425.460
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	27.1845	27.1845	0.00440	0.00053	—	27.4533
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	240.081	240.081	0.03884	0.00471	—	242.455
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	536.329	536.329	0.08677	0.01052	—	541.632
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,663.88	2,663.88	0.43096	0.05224	—	2,690.22
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Regional Shopping	—	—	—	—	—	—	—	—	—	—	—	—	216.542	216.542	0.03503	0.00425	—	218.683
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	19.8160	19.8160	0.00321	0.00039	—	20.0119
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	2.32349	2.32349	0.00038	0.00005	—	2.34646
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	69.7716	69.7716	0.01129	0.00137	—	70.4615
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	4.50595	4.50595	0.00073	0.00009	—	4.55050
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	39.7993	39.7993	0.00644	0.00078	—	40.1929
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	88.7953	88.7953	0.01437	0.00174	—	89.6734
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	441.554	441.554	0.07143	0.00866	—	445.920

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.09692	0.04846	0.88113	0.74015	0.00529	0.06697	—	0.06697	0.06697	—	0.06697	—	1,051.34	1,051.34	0.09304	0.00198	—	1,054.26
Medical Office Building	0.01077	0.00539	0.09793	0.08226	0.00059	0.00744	—	0.00744	0.00744	—	0.00744	—	116.850	116.850	0.01034	0.00022	—	117.174
Convenience Market with Gas Pumps	0.00042	0.00021	0.00384	0.00322	0.00002	0.00029	—	0.00029	0.00029	—	0.00029	—	4.57584	4.57584	0.00040	0.00001	—	4.58853
Fast Food Restaurant with Drive Thru	0.06233	0.03116	0.56660	0.47594	0.00340	0.04306	—	0.04306	0.04306	—	0.04306	—	676.046	676.046	0.05983	0.00127	—	677.921
Automobile Care Center	0.00496	0.00248	0.04512	0.03790	0.00027	0.00343	—	0.00343	0.00343	—	0.00343	—	53.8372	53.8372	0.00476	0.00010	—	53.9865
Unrefrigerated Warehouse-No Rail	0.00630	0.00315	0.05731	0.04814	0.00034	0.00436	—	0.00436	0.00436	—	0.00436	—	68.3807	68.3807	0.00605	0.00013	—	68.5703
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.18171	0.09086	1.65193	1.38762	0.00991	0.12555	—	0.12555	0.12555	—	0.12555	—	1,971.03	1,971.03	0.17444	0.00371	—	1,976.50
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.09692	0.04846	0.88113	0.74015	0.00529	0.06697	—	0.06697	0.06697	—	0.06697	—	1,051.34	1,051.34	0.09304	0.00198	—	1,054.26
Medical Office Building	0.01077	0.00539	0.09793	0.08226	0.00059	0.00744	—	0.00744	0.00744	—	0.00744	—	116.850	116.850	0.01034	0.00022	—	117.174
Convenience Market with Gas Pumps	0.00042	0.00021	0.00384	0.00322	0.00002	0.00029	—	0.00029	0.00029	—	0.00029	—	4.57584	4.57584	0.00040	0.00001	—	4.58853
Fast Food Restaurant with Drive Thru	0.06233	0.03116	0.56660	0.47594	0.00340	0.04306	—	0.04306	0.04306	—	0.04306	—	676.046	676.046	0.05983	0.00127	—	677.921
Automobile Care Center	0.00496	0.00248	0.04512	0.03790	0.00027	0.00343	—	0.00343	0.00343	—	0.00343	—	53.8372	53.8372	0.00476	0.00010	—	53.9865
Unrefrigerated Warehouse-No Rail	0.00630	0.00315	0.05731	0.04814	0.00034	0.00436	—	0.00436	0.00436	—	0.00436	—	68.3807	68.3807	0.00605	0.00013	—	68.5703
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.18171	0.09086	1.65193	1.38762	0.00991	0.12555	—	0.12555	0.12555	—	0.12555	—	1,971.03	1,971.03	0.17444	0.00371	—	1,976.50
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.01769	0.00884	0.16081	0.13508	0.00096	0.01222	—	0.01222	0.01222	—	0.01222	—	174.061	174.061	0.01540	0.00033	—	174.544
Medical Office Building	0.00197	0.00098	0.01787	0.01501	0.00011	0.00136	—	0.00136	0.00136	—	0.00136	—	19.3459	19.3459	0.00171	0.00004	—	19.3995
Convenience Market with Gas Pumps	0.00008	0.00004	0.00070	0.00059	< 0.000005	0.00005	—	0.00005	0.00005	—	0.00005	—	0.75758	0.75758	0.00007	< 0.000005	—	0.75968
Fast Food Restaurant with Drive Thru	0.01137	0.00569	0.10340	0.08686	0.00062	0.00786	—	0.00786	0.00786	—	0.00786	—	111.927	111.927	0.00991	0.00021	—	112.238
Automobile Care Center	0.00091	0.00045	0.00823	0.00692	0.00005	0.00063	—	0.00063	0.00063	—	0.00063	—	8.91336	8.91336	0.00079	0.00002	—	8.93809
Unrefrigerated Warehouse-No Rail	0.00115	0.00058	0.01046	0.00879	0.00006	0.00079	—	0.00079	0.00079	—	0.00079	—	11.3212	11.3212	0.00100	0.00002	—	11.3526
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.03316	0.01658	0.30148	0.25324	0.00181	0.02291	—	0.02291	0.02291	—	0.02291	—	326.327	326.327	0.02888	0.00061	—	327.232

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.09692	0.04846	0.88113	0.74015	0.00529	0.06697	—	0.06697	0.06697	—	0.06697	—	1,051.34	1,051.34	0.09304	0.00198	—	1,054.26
Medical Office Building	0.01077	0.00539	0.09793	0.08226	0.00059	0.00744	—	0.00744	0.00744	—	0.00744	—	116.850	116.850	0.01034	0.00022	—	117.174
Convenience Market with Gas Pumps	0.00042	0.00021	0.00384	0.00322	0.00002	0.00029	—	0.00029	0.00029	—	0.00029	—	4.57584	4.57584	0.00040	0.00001	—	4.58853
Fast Food Restaurant with Drive Thru	0.06233	0.03116	0.56660	0.47594	0.00340	0.04306	—	0.04306	0.04306	—	0.04306	—	676.046	676.046	0.05983	0.00127	—	677.921

Automobile Care Center	0.00496	0.00248	0.04512	0.03790	0.00027	0.00343	—	0.00343	0.00343	—	0.00343	—	53.8372	53.8372	0.00476	0.00010	—	53.9865
Unrefrigerated Warehouse-No Rail	0.00630	0.00315	0.05731	0.04814	0.00034	0.00436	—	0.00436	0.00436	—	0.00436	—	68.3807	68.3807	0.00605	0.00013	—	68.5703
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.18171	0.09086	1.65193	1.38762	0.00991	0.12555	—	0.12555	0.12555	—	0.12555	—	1,971.03	1,971.03	0.17444	0.00371	—	1,976.50
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.09692	0.04846	0.88113	0.74015	0.00529	0.06697	—	0.06697	0.06697	—	0.06697	—	1,051.34	1,051.34	0.09304	0.00198	—	1,054.26
Medical Office Building	0.01077	0.00539	0.09793	0.08226	0.00059	0.00744	—	0.00744	0.00744	—	0.00744	—	116.850	116.850	0.01034	0.00022	—	117.174
Convenience Market with Gas Pumps	0.00042	0.00021	0.00384	0.00322	0.00002	0.00029	—	0.00029	0.00029	—	0.00029	—	4.57584	4.57584	0.00040	0.00001	—	4.58853

Fast Food Restaurant with Drive Thru	0.06233	0.03116	0.56660	0.47594	0.00340	0.04306	—	0.04306	0.04306	—	0.04306	—	676.046	676.046	0.05983	0.00127	—	677.921
Automobile Care Center	0.00496	0.00248	0.04512	0.03790	0.00027	0.00343	—	0.00343	0.00343	—	0.00343	—	53.8372	53.8372	0.00476	0.00010	—	53.9865
Unrefrigerated Warehouse-No Rail	0.00630	0.00315	0.05731	0.04814	0.00034	0.00436	—	0.00436	0.00436	—	0.00436	—	68.3807	68.3807	0.00605	0.00013	—	68.5703
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.18171	0.09086	1.65193	1.38762	0.00991	0.12555	—	0.12555	0.12555	—	0.12555	—	1,971.03	1,971.03	0.17444	0.00371	—	1,976.50
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.01769	0.00884	0.16081	0.13508	0.00096	0.01222	—	0.01222	0.01222	—	0.01222	—	174.061	174.061	0.01540	0.00033	—	174.544
Medical Office Building	0.00197	0.00098	0.01787	0.01501	0.00011	0.00136	—	0.00136	0.00136	—	0.00136	—	19.3459	19.3459	0.00171	0.00004	—	19.3995
Convenience Market with Gas Pumps	0.00008	0.00004	0.00070	0.00059	< 0.000005	0.00005	—	0.00005	0.00005	—	0.00005	—	0.75758	0.75758	0.00007	< 0.000005	—	0.75968

Fast Food Restaurant with Drive Thru	0.01137	0.00569	0.10340	0.08686	0.00062	0.00786	—	0.00786	0.00786	—	0.00786	—	111.927	111.927	0.00991	0.00021	—	112.238
Automobile Care Center	0.00091	0.00045	0.00823	0.00692	0.00005	0.00063	—	0.00063	0.00063	—	0.00063	—	8.91336	8.91336	0.00079	0.00002	—	8.93809
Unrefrigerated Warehouse-No Rail	0.00115	0.00058	0.01046	0.00879	0.00006	0.00079	—	0.00079	0.00079	—	0.00079	—	11.3212	11.3212	0.00100	0.00002	—	11.3526
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.03316	0.01658	0.30148	0.25324	0.00181	0.02291	—	0.02291	0.02291	—	0.02291	—	326.327	326.327	0.02888	0.00061	—	327.232

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	8.80563	8.80563	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	0.63845	0.63845	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	3.13835	2.89631	0.14841	17.6370	0.00105	0.03133	—	0.03133	0.02368	—	0.02368	—	72.5279	72.5279	0.00304	0.00062	—	72.7894
Total	12.5824	12.3404	0.14841	17.6370	0.00105	0.03133	—	0.03133	0.02368	—	0.02368	—	72.5279	72.5279	0.00304	0.00062	—	72.7894
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	8.80563	8.80563	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.63845	0.63845	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	9.44408	9.44408	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.60703	1.60703	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.11652	0.11652	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.28245	0.26067	0.01336	1.58733	0.00009	0.00282	—	0.00282	0.00213	—	0.00213	—	5.92166	5.92166	0.00025	0.00005	—	5.94301
Total	2.00600	1.98421	0.01336	1.58733	0.00009	0.00282	—	0.00282	0.00213	—	0.00213	—	5.92166	5.92166	0.00025	0.00005	—	5.94301

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	8.80563	8.80563	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.48156	0.48156	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	9.28719	9.28719	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	8.80563	8.80563	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.48156	0.48156	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	9.28719	9.28719	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.60703	1.60703	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.08788	0.08788	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	1.69491	1.69491	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	104.162	119.662	223.824	10.7000	0.25611	—	567.646
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	104.162	119.662	223.824	10.7000	0.25611	—	567.646
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	104.162	119.662	223.824	10.7000	0.25611	—	567.646
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	104.162	119.662	223.824	10.7000	0.25611	—	567.646
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	17.2452	19.8115	37.0567	1.77150	0.04240	—	93.9803
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Unrefrig Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	17.2452	19.8115	37.0567	1.77150	0.04240	—	93.9803

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	104.162	119.662	223.824	10.7000	0.25611	—	567.646
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	104.162	119.662	223.824	10.7000	0.25611	—	567.646
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	104.162	119.662	223.824	10.7000	0.25611	—	567.646
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	104.162	119.662	223.824	10.7000	0.25611	—	567.646
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	17.2452	19.8115	37.0567	1.77150	0.04240	—	93.9803
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	17.2452	19.8115	37.0567	1.77150	0.04240	—	93.9803

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	189.573	0.00000	189.573	18.9472	0.00000	—	663.253
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	53.1357	0.00000	53.1357	5.31072	0.00000	—	185.904
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	9.13479	0.00000	9.13479	0.91299	0.00000	—	31.9595
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	104.735	0.00000	104.735	10.4679	0.00000	—	366.432
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	8.44086	0.00000	8.44086	0.84363	0.00000	—	29.5317
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	20.2641	0.00000	20.2641	2.02532	0.00000	—	70.8972
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Total	—	—	—	—	—	—	—	—	—	—	—	385.284	0.00000	385.284	38.5077	0.00000	—	1,347.98
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	189.573	0.00000	189.573	18.9472	0.00000	—	663.253
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	53.1357	0.00000	53.1357	5.31072	0.00000	—	185.904
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	9.13479	0.00000	9.13479	0.91299	0.00000	—	31.9595
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	104.735	0.00000	104.735	10.4679	0.00000	—	366.432
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	8.44086	0.00000	8.44086	0.84363	0.00000	—	29.5317
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	20.2641	0.00000	20.2641	2.02532	0.00000	—	70.8972
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	385.284	0.00000	385.284	38.5077	0.00000	—	1,347.98
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	31.3860	0.00000	31.3860	3.13692	0.00000	—	109.809
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	8.79722	0.00000	8.79722	0.87925	0.00000	—	30.7785
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	1.51237	0.00000	1.51237	0.15116	0.00000	—	5.29126
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	17.3401	0.00000	17.3401	1.73308	0.00000	—	60.6671
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	1.39748	0.00000	1.39748	0.13967	0.00000	—	4.88931
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	3.35495	0.00000	3.35495	0.33532	0.00000	—	11.7378
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	63.7881	0.00000	63.7881	6.37540	0.00000	—	223.173

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	189.573	0.00000	189.573	18.9472	0.00000	—	663.253
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	53.1357	0.00000	53.1357	5.31072	0.00000	—	185.904
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	9.13479	0.00000	9.13479	0.91299	0.00000	—	31.9595
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	104.735	0.00000	104.735	10.4679	0.00000	—	366.432
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	8.44086	0.00000	8.44086	0.84363	0.00000	—	29.5317

Unrefrigerated Wareho Rail	—	—	—	—	—	—	—	—	—	—	—	20.2641	0.00000	20.2641	2.02532	0.00000	—	70.8972
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	385.284	0.00000	385.284	38.5077	0.00000	—	1,347.98
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	189.573	0.00000	189.573	18.9472	0.00000	—	663.253
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	53.1357	0.00000	53.1357	5.31072	0.00000	—	185.904
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	9.13479	0.00000	9.13479	0.91299	0.00000	—	31.9595
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	104.735	0.00000	104.735	10.4679	0.00000	—	366.432
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	8.44086	0.00000	8.44086	0.84363	0.00000	—	29.5317

Unrefrig Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	20.2641	0.00000	20.2641	2.02532	0.00000	—	70.8972
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	385.284	0.00000	385.284	38.5077	0.00000	—	1,347.98
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	31.3860	0.00000	31.3860	3.13692	0.00000	—	109.809
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	8.79722	0.00000	8.79722	0.87925	0.00000	—	30.7785
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	1.51237	0.00000	1.51237	0.15116	0.00000	—	5.29126
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	17.3401	0.00000	17.3401	1.73308	0.00000	—	60.6671
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	1.39748	0.00000	1.39748	0.13967	0.00000	—	4.88931

Unrefrigerated Wareho Rail	—	—	—	—	—	—	—	—	—	—	—	3.35495	0.00000	3.35495	0.33532	0.00000	—	11.7378
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	63.7881	0.00000	63.7881	6.37540	0.00000	—	223.173

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.60822	1.60822
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23326	0.23326
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	88.7327	88.7327

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	26.3737	26.3737
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00640	0.00640
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.954	116.954
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.60822	1.60822
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23326	0.23326
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	88.7327	88.7327
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	26.3737	26.3737
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00640	0.00640
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.954	116.954
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Regiona Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26626	0.26626
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03862	0.03862
Conveni ence Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14.6907	14.6907
Fast Food Restaura nt with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.36646	4.36646
Automo bile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00106	0.00106
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.3631	19.3631

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regiona l Shoppin g Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.60822	1.60822

Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23326	0.23326
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	88.7327	88.7327
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	26.3737	26.3737
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00640	0.00640
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.954	116.954
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.60822	1.60822
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23326	0.23326
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	88.7327	88.7327

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	26.3737	26.3737
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00640	0.00640
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.954	116.954
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26626	0.26626
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03862	0.03862
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14.6907	14.6907
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.36646	4.36646
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00106	0.00106
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.3631	19.3631

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Regional Shopping Center	12,162.0	12,113.9	5,009.55	4,063,674	47,868.1	47,678.9	19,717.0	15,994,119
Medical Office Building	200.600	22.0800	2.73600	53,593.3	789.537	86.9042	10.7686	210,936
Convenience Market with Gas Pumps	9,278.36	9,236.50	9,236.50	3,382,236	36,518.5	36,353.7	36,353.7	13,312,064
Fast Food Restaurant with Drive Thru	4,917.90	6,613.50	4,193.58	1,845,679	19,356.2	26,029.9	16,505.4	7,264,364
Automobile Care Center	422.000	442.260	442.260	156,143	1,660.94	1,740.68	1,740.68	614,559

Unrefrigerated Warehouse-No Rail	47.3200	50.9600	36.4000	16,892.2	186.246	200.572	143.266	66,485.6
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Regional Shopping Center	12,162.0	12,113.9	5,009.55	4,063,674	47,868.1	47,678.9	19,717.0	15,994,119
Medical Office Building	200.600	22.0800	2.73600	53,593.3	789.537	86.9042	10.7686	210,936
Convenience Market with Gas Pumps	9,278.36	9,236.50	9,236.50	3,382,236	36,518.5	36,353.7	36,353.7	13,312,064
Fast Food Restaurant with Drive Thru	4,917.90	6,613.50	4,193.58	1,845,679	19,356.2	26,029.9	16,505.4	7,264,364
Automobile Care Center	422.000	442.260	442.260	156,143	1,660.94	1,740.68	1,740.68	614,559
Unrefrigerated Warehouse-No Rail	47.3200	50.9600	36.4000	16,892.2	186.246	200.572	143.266	66,485.6
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Regional Shopping Center	Wood Fireplaces	0	0
Regional Shopping Center	Gas Fireplaces	0	0
Regional Shopping Center	Propane Fireplaces	0	0
Regional Shopping Center	Electric Fireplaces	0	0
Regional Shopping Center	No Fireplaces	0	0
Regional Shopping Center	Conventional Wood Stoves	0	0
Regional Shopping Center	Catalytic Wood Stoves	0	0
Regional Shopping Center	Non-Catalytic Wood Stoves	0	0
Regional Shopping Center	Pellet Wood Stoves	0	0
Medical Office Building	Wood Fireplaces	0	0
Medical Office Building	Gas Fireplaces	0	0
Medical Office Building	Propane Fireplaces	0	0
Medical Office Building	Electric Fireplaces	0	0
Medical Office Building	No Fireplaces	0	0
Medical Office Building	Conventional Wood Stoves	0	0
Medical Office Building	Catalytic Wood Stoves	0	0
Medical Office Building	Non-Catalytic Wood Stoves	0	0
Medical Office Building	Pellet Wood Stoves	0	0
Convenience Market with Gas Pumps	Wood Fireplaces	0	0
Convenience Market with Gas Pumps	Gas Fireplaces	0	0
Convenience Market with Gas Pumps	Propane Fireplaces	0	0
Convenience Market with Gas Pumps	Electric Fireplaces	0	0
Convenience Market with Gas Pumps	No Fireplaces	0	0
Convenience Market with Gas Pumps	Conventional Wood Stoves	0	0
Convenience Market with Gas Pumps	Catalytic Wood Stoves	0	0
Convenience Market with Gas Pumps	Non-Catalytic Wood Stoves	0	0
Convenience Market with Gas Pumps	Pellet Wood Stoves	0	0

Fast Food Restaurant with Drive Thru	Wood Fireplaces	0	0
Fast Food Restaurant with Drive Thru	Gas Fireplaces	0	0
Fast Food Restaurant with Drive Thru	Propane Fireplaces	0	0
Fast Food Restaurant with Drive Thru	Electric Fireplaces	0	0
Fast Food Restaurant with Drive Thru	No Fireplaces	0	0
Fast Food Restaurant with Drive Thru	Conventional Wood Stoves	0	0
Fast Food Restaurant with Drive Thru	Catalytic Wood Stoves	0	0
Fast Food Restaurant with Drive Thru	Non-Catalytic Wood Stoves	0	0
Fast Food Restaurant with Drive Thru	Pellet Wood Stoves	0	0
Automobile Care Center	Wood Fireplaces	0	0
Automobile Care Center	Gas Fireplaces	0	0
Automobile Care Center	Propane Fireplaces	0	0
Automobile Care Center	Electric Fireplaces	0	0
Automobile Care Center	No Fireplaces	0	0
Automobile Care Center	Conventional Wood Stoves	0	0
Automobile Care Center	Catalytic Wood Stoves	0	0
Automobile Care Center	Non-Catalytic Wood Stoves	0	0
Automobile Care Center	Pellet Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Wood Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Gas Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Propane Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Electric Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	No Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Conventional Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Catalytic Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Non-Catalytic Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Pellet Wood Stoves	0	0
Parking Lot	Wood Fireplaces	0	0

Parking Lot	Gas Fireplaces	0	0
Parking Lot	Propane Fireplaces	0	0
Parking Lot	Electric Fireplaces	0	0
Parking Lot	No Fireplaces	0	0
Parking Lot	Conventional Wood Stoves	0	0
Parking Lot	Catalytic Wood Stoves	0	0
Parking Lot	Non-Catalytic Wood Stoves	0	0
Parking Lot	Pellet Wood Stoves	0	0
Other Asphalt Surfaces	Wood Fireplaces	0	0
Other Asphalt Surfaces	Gas Fireplaces	0	0
Other Asphalt Surfaces	Propane Fireplaces	0	0
Other Asphalt Surfaces	Electric Fireplaces	0	0
Other Asphalt Surfaces	No Fireplaces	0	0
Other Asphalt Surfaces	Conventional Wood Stoves	0	0
Other Asphalt Surfaces	Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Non-Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Pellet Wood Stoves	0	0
Other Non-Asphalt Surfaces	Wood Fireplaces	0	0
Other Non-Asphalt Surfaces	Gas Fireplaces	0	0
Other Non-Asphalt Surfaces	Propane Fireplaces	0	0
Other Non-Asphalt Surfaces	Electric Fireplaces	0	0
Other Non-Asphalt Surfaces	No Fireplaces	0	0
Other Non-Asphalt Surfaces	Conventional Wood Stoves	0	0
Other Non-Asphalt Surfaces	Catalytic Wood Stoves	0	0
Other Non-Asphalt Surfaces	Non-Catalytic Wood Stoves	0	0
Other Non-Asphalt Surfaces	Pellet Wood Stoves	0	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0.00000	0.00000	608,297	202,766	97,091.8

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	180.000

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	180.000

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Regional Shopping Center	2,335,726	203.983	0.0330	0.0040	3,280,464
Medical Office Building	214,042	203.983	0.0330	0.0040	364,604
Convenience Market with Gas Pumps	25,106.0	203.983	0.0330	0.0040	14,277.8
Fast Food Restaurant with Drive Thru	753,849	203.983	0.0330	0.0040	2,109,444
Automobile Care Center	48,642.9	203.983	0.0330	0.0040	167,987
Unrefrigerated Warehouse-No Rail	429,593	203.983	0.0330	0.0040	213,366
Parking Lot	959,688	203.983	0.0330	0.0040	0.00000

Other Asphalt Surfaces	0.00000	203.983	0.0330	0.0040	0.00000
Other Non-Asphalt Surfaces	0.00000	203.983	0.0330	0.0040	0.00000

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Regional Shopping Center	2,335,726	203.983	0.0330	0.0040	3,280,464
Medical Office Building	214,042	203.983	0.0330	0.0040	364,604
Convenience Market with Gas Pumps	25,106.0	203.983	0.0330	0.0040	14,277.8
Fast Food Restaurant with Drive Thru	753,849	203.983	0.0330	0.0040	2,109,444
Automobile Care Center	48,642.9	203.983	0.0330	0.0040	167,987
Unrefrigerated Warehouse-No Rail	429,593	203.983	0.0330	0.0040	213,366
Parking Lot	959,688	203.983	0.0330	0.0040	0.00000
Other Asphalt Surfaces	0.00000	203.983	0.0330	0.0040	0.00000
Other Non-Asphalt Surfaces	0.00000	203.983	0.0330	0.0040	0.00000

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Regional Shopping Center	54,357,625	0.00000
Medical Office Building	0.00000	0.00000
Convenience Market with Gas Pumps	0.00000	0.00000
Fast Food Restaurant with Drive Thru	0.00000	0.00000
Automobile Care Center	0.00000	0.00000
Unrefrigerated Warehouse-No Rail	0.00000	0.00000

Parking Lot	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Regional Shopping Center	54,357,625	0.00000
Medical Office Building	0.00000	0.00000
Convenience Market with Gas Pumps	0.00000	0.00000
Fast Food Restaurant with Drive Thru	0.00000	0.00000
Automobile Care Center	0.00000	0.00000
Unrefrigerated Warehouse-No Rail	0.00000	0.00000
Parking Lot	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Regional Shopping Center	351.753	0.00000
Medical Office Building	98.5932	0.00000
Convenience Market with Gas Pumps	16.9496	0.00000
Fast Food Restaurant with Drive Thru	194.336	0.00000
Automobile Care Center	15.6620	0.00000
Unrefrigerated Warehouse-No Rail	37.6000	0.00000
Parking Lot	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000

Other Non-Asphalt Surfaces	0.00000	0.00000

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Regional Shopping Center	351.753	0.00000
Medical Office Building	98.5932	0.00000
Convenience Market with Gas Pumps	16.9496	0.00000
Fast Food Restaurant with Drive Thru	194.336	0.00000
Automobile Care Center	15.6620	0.00000
Unrefrigerated Warehouse-No Rail	37.6000	0.00000
Parking Lot	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430.00	0.03750	1.000000	0.00000	1.000000
Medical Office Building	Household refrigerators and/or freezers	R-134a	1,430.00	0.45455	0.60000	0.00000	1.000000
Medical Office Building	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00230	4.00000	4.00000	18.0000
Convenience Market with Gas Pumps	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000

Convenience Market with Gas Pumps	Supermarket refrigeration and condensing units	R-404A	3,922.00	26.5200	16.5000	16.5000	18.0000
Fast Food Restaurant with Drive Thru	Household refrigerators and/or freezers	R-134a	1,430.00	0.00000	0.60000	0.00000	1.000000
Fast Food Restaurant with Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088.00	1.80000	4.00000	4.00000	18.0000
Fast Food Restaurant with Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922.00	0.00040	7.50000	7.50000	20.0000
Automobile Care Center	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000

5.14.2. Mitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430.00	0.03750	1.000000	0.00000	1.000000
Medical Office Building	Household refrigerators and/or freezers	R-134a	1,430.00	0.45455	0.60000	0.00000	1.000000
Medical Office Building	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00230	4.00000	4.00000	18.0000
Convenience Market with Gas Pumps	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Convenience Market with Gas Pumps	Supermarket refrigeration and condensing units	R-404A	3,922.00	26.5200	16.5000	16.5000	18.0000
Fast Food Restaurant with Drive Thru	Household refrigerators and/or freezers	R-134a	1,430.00	0.00000	0.60000	0.00000	1.000000
Fast Food Restaurant with Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088.00	1.80000	4.00000	4.00000	18.0000

Fast Food Restaurant with Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922.00	0.00040	7.50000	7.50000	20.0000
Automobile Care Center	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	20.0600	annual days of extreme heat
Extreme Precipitation	0.00000	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00000	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	1	1	1	2
Drought	1	1	1	2

Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	93.6279
AQ-PM	99.3155
AQ-DPM	54.8102
Drinking Water	72.9986
Lead Risk Housing	7.14556
Pesticides	0.00000
Toxic Releases	39.1223
Traffic	67.1875
Effect Indicators	—
CleanUp Sites	27.4916
Groundwater	59.6048
Haz Waste Facilities/Generators	53.5142
Impaired Water Bodies	0.00000
Solid Waste	0.00000

Sensitive Population	—
Asthma	21.0867
Cardio-vascular	30.7951
Low Birth Weights	28.0729
Socioeconomic Factor Indicators	—
Education	29.6760
Housing	15.5006
Linguistic	21.4237
Poverty	22.0101
Unemployment	67.4779

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	74.07930194
Employed	65.05838573
Median HI	66.79070961
Education	—
Bachelor's or higher	57.08969588
High school enrollment	100
Preschool enrollment	17.9006801
Transportation	—
Auto Access	52.9449506
Active commuting	56.70473502
Social	—
2-parent households	19.17105094
Voting	67.22699859

Neighborhood	—
Alcohol availability	71.87219299
Park access	52.55998973
Retail density	27.37071731
Supermarket access	19.78698832
Tree canopy	9.187732581
Housing	—
Homeownership	39.93327345
Housing habitability	84.98652637
Low-inc homeowner severe housing cost burden	93.301681
Low-inc renter severe housing cost burden	84.08828436
Uncrowded housing	70.21686129
Health Outcomes	—
Insured adults	92.01847812
Arthritis	31.2
Asthma ER Admissions	73.6
High Blood Pressure	29.0
Cancer (excluding skin)	16.1
Asthma	51.9
Coronary Heart Disease	37.1
Chronic Obstructive Pulmonary Disease	50.7
Diagnosed Diabetes	80.8
Life Expectancy at Birth	53.0
Cognitively Disabled	66.4
Physically Disabled	26.6
Heart Attack ER Admissions	46.6
Mental Health Not Good	60.0
Chronic Kidney Disease	45.1

Obesity	52.4
Pedestrian Injuries	74.9
Physical Health Not Good	65.0
Stroke	45.2
Health Risk Behaviors	—
Binge Drinking	11.3
Current Smoker	53.5
No Leisure Time for Physical Activity	58.6
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	53.3
Elderly	40.9
English Speaking	76.1
Foreign-born	16.0
Outdoor Workers	46.6
Climate Change Adaptive Capacity	—
Impervious Surface Cover	59.7
Traffic Density	56.7
Traffic Access	0.0
Other Indices	—
Hardship	35.5
Other Decision Support	—
2016 Voting	53.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	30.0000

Healthy Places Index Score for Project Location (b)	57.0000
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Land Use	Based on information provided.
Operations: Vehicle Data	Based on information provided by the project traffic consultant.
Operations: Fleet Mix	Based on information provided by the traffic consultant.
Operations: Energy Use	The anticipated 1,201,933 kWh/yr of renewable electricity generated from onsite PV system is subtracted from the Title 24 electricity default total.
Operations: Water and Waste Water	Based on the Water Supply and Demand Analysis Coffee and Rosedale Commercial Retail Development Project study prepared by PlaceWorks. For modeling purposes, total water demand assigned to the Regional Shopping Center land use.

8.3. Land Use

Model Parameter	Units	Default Value	New Value

Lot Area	acre	7.69061	7.39000
Landscape Area	sq. ft	—	379,446
Special Landscape Area	sq. ft	—	0.00000
Lot Area	acre	0.12964	0.01000
Building Area	sq. ft	5,647.00	428.000
Landscape Area	sq. ft	—	0.00000
Lot Area	acre	0.01800	25.1500
Landscape Area	sq. ft	—	0.00000

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

Land Use	Model Parameter	Units	Default Value	New Value
Regional Shopping Center	Weekday Trip Rate	size/day	37.7500	36.3042
Regional Shopping Center	Saturday Trip Rate	size/day	46.1200	36.1606
Regional Shopping Center	Sunday Trip Rate	size/day	21.1000	14.9537
Regional Shopping Center	Non-Res H-W Trip Length	miles	8.50253	3.93588
Regional Shopping Center	Non-Res W-O Trip Length	miles	4.80598	0.00000
Regional Shopping Center	Non-Res O-O Trip Length	miles	5.08225	0.00000
Regional Shopping Center	Weekday Primary Trip	%	37.9200	100.0000
Regional Shopping Center	Weekday Divert Trip	%	28.0800	0.00000
Regional Shopping Center	Weekday Pass-By Trip	%	34.0000	0.00000
Regional Shopping Center	Saturday Primary Trip	%	42.5100	100.0000
Regional Shopping Center	Saturday Divert Trip	%	31.4900	0.00000
Regional Shopping Center	Saturday Pass-By Trip	%	26.0000	0.00000
Regional Shopping Center	Sunday Primary Trip	%	42.5100	100.0000
Regional Shopping Center	Sunday Divert Trip	%	31.4900	0.00000

Regional Shopping Center	Sunday Pass-By Trip	%	26.0000	0.00000
Regional Shopping Center	Non-Res H-W Trip	%	31.7132	100.0000
Regional Shopping Center	Non-Res W-O Trip	%	14.8513	0.00000
Regional Shopping Center	Non-Res O-O Trip	%	53.4356	0.00000
Medical Office Building	Weekday Trip Rate	size/day	34.8000	21.9739
Medical Office Building	Saturday Trip Rate	size/day	8.57000	2.41867
Medical Office Building	Sunday Trip Rate	size/day	1.42000	0.29970
Medical Office Building	Non-Res H-W Trip Length	miles	8.50253	3.93588
Medical Office Building	Non-Res W-O Trip Length	miles	4.80598	0.00000
Medical Office Building	Non-Res O-O Trip Length	miles	5.08225	0.00000
Medical Office Building	Non-Res H-W Trip	%	31.7132	100.0000
Medical Office Building	Non-Res W-O Trip	%	14.8513	0.00000
Medical Office Building	Non-Res O-O Trip	%	53.4356	0.00000
Convenience Market with Gas Pumps	Weekday Trip Rate	size/day	322.500	231.959
Convenience Market with Gas Pumps	Saturday Trip Rate	size/day	322.500	230.912
Convenience Market with Gas Pumps	Sunday Trip Rate	size/day	322.500	230.912
Convenience Market with Gas Pumps	Non-Res H-W Trip Length	miles	8.50253	3.93588
Convenience Market with Gas Pumps	Non-Res W-O Trip Length	miles	4.80598	0.00000
Convenience Market with Gas Pumps	Non-Res O-O Trip Length	miles	5.08225	0.00000
Convenience Market with Gas Pumps	Weekday Primary Trip	%	14.2400	100.0000
Convenience Market with Gas Pumps	Weekday Divert Trip	%	21.2600	0.00000
Convenience Market with Gas Pumps	Weekday Pass-By Trip	%	64.5000	0.00000

Convenience Market with Gas Pumps	Non-Res H-W Trip	%	31.7132	100.0000
Convenience Market with Gas Pumps	Non-Res W-O Trip	%	14.8513	0.00000
Convenience Market with Gas Pumps	Non-Res O-O Trip	%	53.4356	0.00000
Fast Food Restaurant with Drive Thru	Weekday Trip Rate	size/day	470.950	291.500
Fast Food Restaurant with Drive Thru	Saturday Trip Rate	size/day	616.120	392.004
Fast Food Restaurant with Drive Thru	Sunday Trip Rate	size/day	472.580	248.567
Fast Food Restaurant with Drive Thru	Non-Res H-W Trip Length	miles	8.50253	3.93588
Fast Food Restaurant with Drive Thru	Non-Res W-O Trip Length	miles	4.80598	0.00000
Fast Food Restaurant with Drive Thru	Non-Res O-O Trip Length	miles	5.08225	0.00000
Fast Food Restaurant with Drive Thru	Weekday Primary Trip	%	26.5000	100.0000
Fast Food Restaurant with Drive Thru	Weekday Divert Trip	%	24.0000	0.00000
Fast Food Restaurant with Drive Thru	Weekday Pass-By Trip	%	49.5000	0.00000
Fast Food Restaurant with Drive Thru	Non-Res H-W Trip	%	31.7132	100.0000
Fast Food Restaurant with Drive Thru	Non-Res W-O Trip	%	14.8513	0.00000
Fast Food Restaurant with Drive Thru	Non-Res O-O Trip	%	53.4356	0.00000
Automobile Care Center	Weekday Trip Rate	size/day	23.7200	102.927
Automobile Care Center	Saturday Trip Rate	size/day	23.7200	107.868
Automobile Care Center	Sunday Trip Rate	size/day	11.8800	107.868
Automobile Care Center	Non-Res H-W Trip Length	miles	8.50253	3.93588

Automobile Care Center	Non-Res W-O Trip Length	miles	4.80598	0.00000
Automobile Care Center	Non-Res O-O Trip Length	miles	5.08225	0.00000
Automobile Care Center	Weekday Primary Trip	%	53.3000	100.0000
Automobile Care Center	Weekday Divert Trip	%	11.2000	0.00000
Automobile Care Center	Weekday Pass-By Trip	%	35.5000	0.00000
Automobile Care Center	Non-Res H-W Trip	%	31.7132	100.0000
Automobile Care Center	Non-Res W-O Trip	%	14.8513	0.00000
Automobile Care Center	Non-Res O-O Trip	%	53.4356	0.00000
Unrefrigerated Warehouse-No Rail	Weekday Trip Rate	size/day	1.74000	1.18300
Unrefrigerated Warehouse-No Rail	Saturday Trip Rate	size/day	1.74000	1.27400
Unrefrigerated Warehouse-No Rail	Sunday Trip Rate	size/day	1.74000	0.91000
Unrefrigerated Warehouse-No Rail	Non-Res H-W Trip Length	miles	8.50253	3.93588
Unrefrigerated Warehouse-No Rail	Non-Res W-O Trip Length	miles	4.80598	0.00000
Unrefrigerated Warehouse-No Rail	Non-Res O-O Trip Length	miles	5.08225	0.00000
Unrefrigerated Warehouse-No Rail	Non-Res H-W Trip	%	31.7132	100.0000
Unrefrigerated Warehouse-No Rail	Non-Res W-O Trip	%	14.8513	0.00000
Unrefrigerated Warehouse-No Rail	Non-Res O-O Trip	%	53.4356	0.00000
Parking Lot	Non-Res H-W Trip	%	31.7132	100.0000
Parking Lot	Non-Res W-O Trip	%	14.8513	0.00000
Parking Lot	Non-Res O-O Trip	%	53.4356	0.00000
Other Asphalt Surfaces	Non-Res H-W Trip	%	31.7132	100.0000
Other Asphalt Surfaces	Non-Res W-O Trip	%	14.8513	0.00000
Other Asphalt Surfaces	Non-Res O-O Trip	%	53.4356	0.00000
Other Non-Asphalt Surfaces	Non-Res H-W Trip	%	31.7132	100.0000
Other Non-Asphalt Surfaces	Non-Res W-O Trip	%	14.8513	0.00000
Other Non-Asphalt Surfaces	Non-Res O-O Trip	%	53.4356	0.00000

8.5.1.2. Fleet Mix

Land Use	Season	Model Parameter	Units	Default Value	New Value
Regional Shopping Center	A	Heavy-Heavy-Duty Trucks	%	4%	1%
Regional Shopping Center	A	Passenger Cars	%	43%	43%
Regional Shopping Center	A	Light-Duty Trucks 1	%	4%	4%
Regional Shopping Center	A	Light-Duty Trucks 2	%	22%	22%
Regional Shopping Center	A	Light Heavy-Duty Trucks 1	%	3%	5%
Regional Shopping Center	A	Light Heavy-Duty Trucks 2	%	1%	2%
Regional Shopping Center	A	Motorcycles	%	2%	2%
Regional Shopping Center	A	Medium-Duty Trucks	%	19%	19%
Regional Shopping Center	A	Motor Homes	%	< 0.5%	0%
Regional Shopping Center	A	Medium-Heavy-Duty Trucks	%	2%	3%
Regional Shopping Center	A	Other Buses	%	< 0.5%	0%
Regional Shopping Center	A	School Buses	%	< 0.5%	0%
Regional Shopping Center	A	Urban Buses	%	< 0.5%	0%
Regional Shopping Center	S	Heavy-Heavy-Duty Trucks	%	4%	1%
Regional Shopping Center	S	Passenger Cars	%	43%	43%
Regional Shopping Center	S	Light-Duty Trucks 1	%	4%	4%
Regional Shopping Center	S	Light-Duty Trucks 2	%	22%	22%
Regional Shopping Center	S	Light Heavy-Duty Trucks 1	%	3%	5%
Regional Shopping Center	S	Light Heavy-Duty Trucks 2	%	1%	2%
Regional Shopping Center	S	Motorcycles	%	2%	2%
Regional Shopping Center	S	Medium-Duty Trucks	%	19%	19%
Regional Shopping Center	S	Motor Homes	%	< 0.5%	0%
Regional Shopping Center	S	Medium-Heavy-Duty Trucks	%	2%	3%
Regional Shopping Center	S	Other Buses	%	< 0.5%	0%
Regional Shopping Center	S	School Buses	%	< 0.5%	0%
Regional Shopping Center	S	Urban Buses	%	< 0.5%	0%
Regional Shopping Center	W	Heavy-Heavy-Duty Trucks	%	4%	1%

Regional Shopping Center	W	Passenger Cars	%	43%	43%
Regional Shopping Center	W	Light-Duty Trucks 1	%	4%	4%
Regional Shopping Center	W	Light-Duty Trucks 2	%	22%	22%
Regional Shopping Center	W	Light Heavy-Duty Trucks 1	%	3%	5%
Regional Shopping Center	W	Light Heavy-Duty Trucks 2	%	1%	2%
Regional Shopping Center	W	Motorcycles	%	2%	2%
Regional Shopping Center	W	Medium-Duty Trucks	%	19%	19%
Regional Shopping Center	W	Motor Homes	%	< 0.5%	0%
Regional Shopping Center	W	Medium-Heavy-Duty Trucks	%	2%	3%
Regional Shopping Center	W	Other Buses	%	< 0.5%	0%
Regional Shopping Center	W	School Buses	%	< 0.5%	0%
Regional Shopping Center	W	Urban Buses	%	< 0.5%	0%
Medical Office Building	A	Heavy-Heavy-Duty Trucks	%	4%	1%
Medical Office Building	A	Passenger Cars	%	43%	43%
Medical Office Building	A	Light-Duty Trucks 1	%	4%	4%
Medical Office Building	A	Light-Duty Trucks 2	%	22%	22%
Medical Office Building	A	Light Heavy-Duty Trucks 1	%	3%	5%
Medical Office Building	A	Light Heavy-Duty Trucks 2	%	1%	2%
Medical Office Building	A	Motorcycles	%	2%	2%
Medical Office Building	A	Medium-Duty Trucks	%	19%	19%
Medical Office Building	A	Motor Homes	%	< 0.5%	0%
Medical Office Building	A	Medium-Heavy-Duty Trucks	%	2%	3%
Medical Office Building	A	Other Buses	%	< 0.5%	0%
Medical Office Building	A	School Buses	%	< 0.5%	0%
Medical Office Building	A	Urban Buses	%	< 0.5%	0%
Medical Office Building	S	Heavy-Heavy-Duty Trucks	%	4%	1%
Medical Office Building	S	Passenger Cars	%	43%	43%
Medical Office Building	S	Light-Duty Trucks 1	%	4%	4%

Medical Office Building	S	Light-Duty Trucks 2	%	22%	22%
Medical Office Building	S	Light Heavy-Duty Trucks 1	%	3%	5%
Medical Office Building	S	Light Heavy-Duty Trucks 2	%	1%	2%
Medical Office Building	S	Motorcycles	%	2%	2%
Medical Office Building	S	Medium-Duty Trucks	%	19%	19%
Medical Office Building	S	Motor Homes	%	< 0.5%	0%
Medical Office Building	S	Medium-Heavy-Duty Trucks	%	2%	3%
Medical Office Building	S	Other Buses	%	< 0.5%	0%
Medical Office Building	S	School Buses	%	< 0.5%	0%
Medical Office Building	S	Urban Buses	%	< 0.5%	0%
Medical Office Building	W	Heavy-Heavy-Duty Trucks	%	4%	1%
Medical Office Building	W	Passenger Cars	%	43%	43%
Medical Office Building	W	Light-Duty Trucks 1	%	4%	4%
Medical Office Building	W	Light-Duty Trucks 2	%	22%	22%
Medical Office Building	W	Light Heavy-Duty Trucks 1	%	3%	5%
Medical Office Building	W	Light Heavy-Duty Trucks 2	%	1%	2%
Medical Office Building	W	Motorcycles	%	2%	2%
Medical Office Building	W	Medium-Duty Trucks	%	19%	19%
Medical Office Building	W	Motor Homes	%	< 0.5%	0%
Medical Office Building	W	Medium-Heavy-Duty Trucks	%	2%	3%
Medical Office Building	W	Other Buses	%	< 0.5%	0%
Medical Office Building	W	School Buses	%	< 0.5%	0%
Medical Office Building	W	Urban Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	A	Heavy-Heavy-Duty Trucks	%	4%	1%
Convenience Market with Gas Pumps	A	Passenger Cars	%	43%	43%
Convenience Market with Gas Pumps	A	Light-Duty Trucks 1	%	4%	4%

Convenience Market with Gas Pumps	A	Light-Duty Trucks 2	%	22%	22%
Convenience Market with Gas Pumps	A	Light Heavy-Duty Trucks 1	%	3%	5%
Convenience Market with Gas Pumps	A	Light Heavy-Duty Trucks 2	%	1%	2%
Convenience Market with Gas Pumps	A	Motorcycles	%	2%	2%
Convenience Market with Gas Pumps	A	Medium-Duty Trucks	%	19%	19%
Convenience Market with Gas Pumps	A	Motor Homes	%	< 0.5%	0%
Convenience Market with Gas Pumps	A	Medium-Heavy-Duty Trucks	%	2%	3%
Convenience Market with Gas Pumps	A	Other Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	A	School Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	A	Urban Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	S	Heavy-Heavy-Duty Trucks	%	4%	1%
Convenience Market with Gas Pumps	S	Passenger Cars	%	43%	43%
Convenience Market with Gas Pumps	S	Light-Duty Trucks 1	%	4%	4%
Convenience Market with Gas Pumps	S	Light-Duty Trucks 2	%	22%	22%
Convenience Market with Gas Pumps	S	Light Heavy-Duty Trucks 1	%	3%	5%
Convenience Market with Gas Pumps	S	Light Heavy-Duty Trucks 2	%	1%	2%
Convenience Market with Gas Pumps	S	Motorcycles	%	2%	2%

Convenience Market with Gas Pumps	S	Medium-Duty Trucks	%	19%	19%
Convenience Market with Gas Pumps	S	Motor Homes	%	< 0.5%	0%
Convenience Market with Gas Pumps	S	Medium-Heavy-Duty Trucks	%	2%	3%
Convenience Market with Gas Pumps	S	Other Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	S	School Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	S	Urban Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	W	Heavy-Heavy-Duty Trucks	%	4%	1%
Convenience Market with Gas Pumps	W	Passenger Cars	%	43%	43%
Convenience Market with Gas Pumps	W	Light-Duty Trucks 1	%	4%	4%
Convenience Market with Gas Pumps	W	Light-Duty Trucks 2	%	22%	22%
Convenience Market with Gas Pumps	W	Light Heavy-Duty Trucks 1	%	3%	5%
Convenience Market with Gas Pumps	W	Light Heavy-Duty Trucks 2	%	1%	2%
Convenience Market with Gas Pumps	W	Motorcycles	%	2%	2%
Convenience Market with Gas Pumps	W	Medium-Duty Trucks	%	19%	19%
Convenience Market with Gas Pumps	W	Motor Homes	%	< 0.5%	0%
Convenience Market with Gas Pumps	W	Medium-Heavy-Duty Trucks	%	2%	3%
Convenience Market with Gas Pumps	W	Other Buses	%	< 0.5%	0%

Convenience Market with Gas Pumps	W	School Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	W	Urban Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	A	Heavy-Heavy-Duty Trucks	%	4%	1%
Fast Food Restaurant with Drive Thru	A	Passenger Cars	%	43%	43%
Fast Food Restaurant with Drive Thru	A	Light-Duty Trucks 1	%	4%	4%
Fast Food Restaurant with Drive Thru	A	Light-Duty Trucks 2	%	22%	22%
Fast Food Restaurant with Drive Thru	A	Light Heavy-Duty Trucks 1	%	3%	5%
Fast Food Restaurant with Drive Thru	A	Light Heavy-Duty Trucks 2	%	1%	2%
Fast Food Restaurant with Drive Thru	A	Motorcycles	%	2%	2%
Fast Food Restaurant with Drive Thru	A	Medium-Duty Trucks	%	19%	19%
Fast Food Restaurant with Drive Thru	A	Motor Homes	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	A	Medium-Heavy-Duty Trucks	%	2%	3%
Fast Food Restaurant with Drive Thru	A	Other Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	A	School Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	A	Urban Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	S	Heavy-Heavy-Duty Trucks	%	4%	1%
Fast Food Restaurant with Drive Thru	S	Passenger Cars	%	43%	43%

Fast Food Restaurant with Drive Thru	S	Light-Duty Trucks 1	%	4%	4%
Fast Food Restaurant with Drive Thru	S	Light-Duty Trucks 2	%	22%	22%
Fast Food Restaurant with Drive Thru	S	Light Heavy-Duty Trucks 1	%	3%	5%
Fast Food Restaurant with Drive Thru	S	Light Heavy-Duty Trucks 2	%	1%	2%
Fast Food Restaurant with Drive Thru	S	Motorcycles	%	2%	2%
Fast Food Restaurant with Drive Thru	S	Medium-Duty Trucks	%	19%	19%
Fast Food Restaurant with Drive Thru	S	Motor Homes	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	S	Medium-Heavy-Duty Trucks	%	2%	3%
Fast Food Restaurant with Drive Thru	S	Other Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	S	School Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	S	Urban Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	W	Heavy-Heavy-Duty Trucks	%	4%	1%
Fast Food Restaurant with Drive Thru	W	Passenger Cars	%	43%	43%
Fast Food Restaurant with Drive Thru	W	Light-Duty Trucks 1	%	4%	4%
Fast Food Restaurant with Drive Thru	W	Light-Duty Trucks 2	%	22%	22%
Fast Food Restaurant with Drive Thru	W	Light Heavy-Duty Trucks 1	%	3%	5%
Fast Food Restaurant with Drive Thru	W	Light Heavy-Duty Trucks 2	%	1%	2%

Fast Food Restaurant with Drive Thru	W	Motorcycles	%	2%	2%
Fast Food Restaurant with Drive Thru	W	Medium-Duty Trucks	%	19%	19%
Fast Food Restaurant with Drive Thru	W	Motor Homes	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	W	Medium-Heavy-Duty Trucks	%	2%	3%
Fast Food Restaurant with Drive Thru	W	Other Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	W	School Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	W	Urban Buses	%	< 0.5%	0%
Automobile Care Center	A	Heavy-Heavy-Duty Trucks	%	4%	1%
Automobile Care Center	A	Passenger Cars	%	43%	43%
Automobile Care Center	A	Light-Duty Trucks 1	%	4%	4%
Automobile Care Center	A	Light-Duty Trucks 2	%	22%	22%
Automobile Care Center	A	Light Heavy-Duty Trucks 1	%	3%	5%
Automobile Care Center	A	Light Heavy-Duty Trucks 2	%	1%	2%
Automobile Care Center	A	Motorcycles	%	2%	2%
Automobile Care Center	A	Medium-Duty Trucks	%	19%	19%
Automobile Care Center	A	Motor Homes	%	< 0.5%	0%
Automobile Care Center	A	Medium-Heavy-Duty Trucks	%	2%	3%
Automobile Care Center	A	Other Buses	%	< 0.5%	0%
Automobile Care Center	A	School Buses	%	< 0.5%	0%
Automobile Care Center	A	Urban Buses	%	< 0.5%	0%
Automobile Care Center	S	Heavy-Heavy-Duty Trucks	%	4%	1%
Automobile Care Center	S	Passenger Cars	%	43%	43%
Automobile Care Center	S	Light-Duty Trucks 1	%	4%	4%
Automobile Care Center	S	Light-Duty Trucks 2	%	22%	22%

Automobile Care Center	S	Light Heavy-Duty Trucks 1	%	3%	5%
Automobile Care Center	S	Light Heavy-Duty Trucks 2	%	1%	2%
Automobile Care Center	S	Motorcycles	%	2%	2%
Automobile Care Center	S	Medium-Duty Trucks	%	19%	19%
Automobile Care Center	S	Motor Homes	%	< 0.5%	0%
Automobile Care Center	S	Medium-Heavy-Duty Trucks	%	2%	3%
Automobile Care Center	S	Other Buses	%	< 0.5%	0%
Automobile Care Center	S	School Buses	%	< 0.5%	0%
Automobile Care Center	S	Urban Buses	%	< 0.5%	0%
Automobile Care Center	W	Heavy-Heavy-Duty Trucks	%	4%	1%
Automobile Care Center	W	Passenger Cars	%	43%	43%
Automobile Care Center	W	Light-Duty Trucks 1	%	4%	4%
Automobile Care Center	W	Light-Duty Trucks 2	%	22%	22%
Automobile Care Center	W	Light Heavy-Duty Trucks 1	%	3%	5%
Automobile Care Center	W	Light Heavy-Duty Trucks 2	%	1%	2%
Automobile Care Center	W	Motorcycles	%	2%	2%
Automobile Care Center	W	Medium-Duty Trucks	%	19%	19%
Automobile Care Center	W	Motor Homes	%	< 0.5%	0%
Automobile Care Center	W	Medium-Heavy-Duty Trucks	%	2%	3%
Automobile Care Center	W	Other Buses	%	< 0.5%	0%
Automobile Care Center	W	School Buses	%	< 0.5%	0%
Automobile Care Center	W	Urban Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	A	Heavy-Heavy-Duty Trucks	%	4%	1%
Unrefrigerated Warehouse-No Rail	A	Passenger Cars	%	43%	43%
Unrefrigerated Warehouse-No Rail	A	Light-Duty Trucks 1	%	4%	4%
Unrefrigerated Warehouse-No Rail	A	Light-Duty Trucks 2	%	22%	22%

Unrefrigerated Warehouse-No Rail	A	Light Heavy-Duty Trucks 1	%	3%	5%
Unrefrigerated Warehouse-No Rail	A	Light Heavy-Duty Trucks 2	%	1%	2%
Unrefrigerated Warehouse-No Rail	A	Motorcycles	%	2%	2%
Unrefrigerated Warehouse-No Rail	A	Medium-Duty Trucks	%	19%	19%
Unrefrigerated Warehouse-No Rail	A	Motor Homes	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	A	Medium-Heavy-Duty Trucks	%	2%	3%
Unrefrigerated Warehouse-No Rail	A	Other Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	A	School Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	A	Urban Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	S	Heavy-Heavy-Duty Trucks	%	4%	1%
Unrefrigerated Warehouse-No Rail	S	Passenger Cars	%	43%	43%
Unrefrigerated Warehouse-No Rail	S	Light-Duty Trucks 1	%	4%	4%
Unrefrigerated Warehouse-No Rail	S	Light-Duty Trucks 2	%	22%	22%
Unrefrigerated Warehouse-No Rail	S	Light Heavy-Duty Trucks 1	%	3%	5%
Unrefrigerated Warehouse-No Rail	S	Light Heavy-Duty Trucks 2	%	1%	2%
Unrefrigerated Warehouse-No Rail	S	Motorcycles	%	2%	2%
Unrefrigerated Warehouse-No Rail	S	Medium-Duty Trucks	%	19%	19%

Unrefrigerated Warehouse-No Rail	S	Motor Homes	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	S	Medium-Heavy-Duty Trucks	%	2%	3%
Unrefrigerated Warehouse-No Rail	S	Other Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	S	School Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	S	Urban Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	W	Heavy-Heavy-Duty Trucks	%	4%	1%
Unrefrigerated Warehouse-No Rail	W	Passenger Cars	%	43%	43%
Unrefrigerated Warehouse-No Rail	W	Light-Duty Trucks 1	%	4%	4%
Unrefrigerated Warehouse-No Rail	W	Light-Duty Trucks 2	%	22%	22%
Unrefrigerated Warehouse-No Rail	W	Light Heavy-Duty Trucks 1	%	3%	5%
Unrefrigerated Warehouse-No Rail	W	Light Heavy-Duty Trucks 2	%	1%	2%
Unrefrigerated Warehouse-No Rail	W	Motorcycles	%	2%	2%
Unrefrigerated Warehouse-No Rail	W	Medium-Duty Trucks	%	19%	19%
Unrefrigerated Warehouse-No Rail	W	Motor Homes	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	W	Medium-Heavy-Duty Trucks	%	2%	3%
Unrefrigerated Warehouse-No Rail	W	Other Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	W	School Buses	%	< 0.5%	0%

Unrefrigerated Warehouse-No Rail	W	Urban Buses	%	< 0.5%	0%

8.5.3. Energy Usage

Land Use	Model Parameter	Units	Default Value	New Value
Regional Shopping Center	Electricity	kWh/yr	3,537,659	2,335,726
Regional Shopping Center	Electricity (Subject to Title 24)	kWh/yr	2,732,418	1,530,485

8.5.4. Water and Waste Water

Land Use	Model Parameter	Units	Default Value	New Value
Regional Shopping Center	Indoor Water	gal/year	24,814,517	54,357,625
Regional Shopping Center	Outdoor Water	gal/year	6,188,637	0.00000
Medical Office Building	Indoor Water	gal/year	1,145,512	0.00000
Convenience Market with Gas Pumps	Indoor Water	gal/year	418,287	0.00000
Fast Food Restaurant with Drive Thru	Indoor Water	gal/year	5,120,917	0.00000
Automobile Care Center	Indoor Water	gal/year	385,733	0.00000
Unrefrigerated Warehouse-No Rail	Indoor Water	gal/year	9,250,000	0.00000

LOKH-01_Operation Full Buildout_Mitigated_GHG Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	LOKH-01_Operation Full Buildout_Mitigated_GHG
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70000
Precipitation (days)	18.0000
Location	35.382244024302594, -119.09464262587437
County	Kern-San Joaquin
City	Bakersfield
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2817
EDFZ	5
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Southern California Gas
App Version	2022.1.1.41

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Regional Shopping Center	335.003	1000sqft	7.39000	335,003	379,446	0.00000	—	—

Medical Office Building	9.12900	1000sqft	0.20957	9,129.00	0.00000	—	—	—
Convenience Market with Gas Pumps	40.0000	Pump	0.01000	428.000	0.00000	—	—	—
Fast Food Restaurant with Drive Thru	16.8710	1000sqft	0.38730	16,871.0	0.00000	—	—	—
Automobile Care Center	4.10000	1000sqft	0.09412	4,100.00	0.00000	—	—	—
Unrefrigerated Warehouse-No Rail	40.0000	1000sqft	0.91827	40,000.0	0.00000	—	—	—
Parking Lot	2.00000	Space	25.1500	0.00000	0.00000	—	—	—
Other Asphalt Surfaces	390.408	1000sqft	8.96253	0.00000	0.00000	—	—	—
Other Non-Asphalt Surfaces	3.03616	Acre	3.03616	0.00000	0.00000	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Area Sources	LL-1	Replace Gas Powered Landscape Equipment with Zero-Emission Landscape Equipment
Area Sources	AS-2	Use Low-VOC Paints

2. Emissions Summary

2.3. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	100.942	96.6435	57.2648	479.630	1.01757	0.91809	80.4144	81.3325	0.86088	20.4404	21.3012	489.446	107,498	107,987	54.8050	6.05592	448.279	111,610
Mit.	97.6467	93.5903	57.1164	461.993	1.01652	0.88676	80.4144	81.3012	0.83720	20.4404	21.2776	489.446	107,432	107,921	54.8029	6.05542	448.279	111,544
% Reduced	3%	3%	< 0.5%	4%	< 0.5%	3%	—	< 0.5%	3%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	—	—	< 0.5%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	89.3514	84.8189	64.8063	429.892	0.93322	0.88789	80.4144	81.3023	0.83827	20.4404	21.2786	489.446	99,000.8	99,490.3	55.9193	6.45899	125.546	102,939
Mit.	89.1946	84.6620	64.8063	429.892	0.93322	0.88789	80.4144	81.3023	0.83827	20.4404	21.2786	489.446	99,000.8	99,490.3	55.9193	6.45899	125.546	102,939
% Reduced	< 0.5%	< 0.5%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	83.7356	79.7531	55.4072	384.126	0.86809	0.82486	72.1065	72.9313	0.77611	18.3321	19.1082	489.446	92,318.5	92,807.9	54.8102	5.67684	246.729	96,116.6
Mit.	82.0310	78.1679	55.3340	375.428	0.86757	0.80941	72.1065	72.9159	0.76443	18.3321	19.0965	489.446	92,285.9	92,775.3	54.8092	5.67659	246.729	96,083.9
% Reduced	2%	2%	< 0.5%	2%	—	2%	—	< 0.5%	2%	—	< 0.5%	—	< 0.5%	< 0.5%	—	—	—	< 0.5%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	15.2817	14.5549	10.1118	70.1030	0.15843	0.15054	13.1594	13.3100	0.14164	3.34561	3.48725	81.0334	15,284.4	15,365.4	9.07446	0.93986	40.8488	15,913.2
Mit.	14.9707	14.2656	10.0985	68.5156	0.15833	0.14772	13.1594	13.3071	0.13951	3.34561	3.48511	81.0334	15,279.0	15,360.0	9.07430	0.93982	40.8488	15,907.8
% Reduced	2%	2%	< 0.5%	2%	< 0.5%	2%	—	< 0.5%	2%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

2.4. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	88.2880	84.2674	56.4662	461.447	1.01261	0.83734	80.4144	81.2518	0.78778	20.4404	21.2281	—	103,255	103,255	4.99575	5.73350	331.325	105,420

Area	12.5824	12.3404	0.14841	17.6370	0.00105	0.03133	—	0.03133	0.02368	—	0.02368	—	72.5279	72.5279	0.00304	0.00062	—	72.7894
Energy	0.07152	0.03576	0.65023	0.54619	0.00390	0.04942	—	0.04942	0.04942	—	0.04942	—	4,050.54	4,050.54	0.59844	0.06568	—	4,085.07
Water	—	—	—	—	—	—	—	—	—	—	—	104.162	119.662	223.824	10.7000	0.25611	—	567.646
Waste	—	—	—	—	—	—	—	—	—	—	—	385.284	0.00000	385.284	38.5077	0.00000	—	1,347.98
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.954	116.954
Total	100.942	96.6435	57.2648	479.630	1.01757	0.91809	80.4144	81.3325	0.86088	20.4404	21.3012	489.446	107,498	107,987	54.8050	6.05592	448.279	111,610
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	79.8358	75.3391	64.1561	429.346	0.92932	0.83847	80.4144	81.2529	0.78886	20.4404	21.2292	—	94,830.6	94,830.6	6.11310	6.13719	8.59175	96,820.9
Area	9.44408	9.44408	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.07152	0.03576	0.65023	0.54619	0.00390	0.04942	—	0.04942	0.04942	—	0.04942	—	4,050.54	4,050.54	0.59844	0.06568	—	4,085.07
Water	—	—	—	—	—	—	—	—	—	—	—	104.162	119.662	223.824	10.7000	0.25611	—	567.646
Waste	—	—	—	—	—	—	—	—	—	—	—	385.284	0.00000	385.284	38.5077	0.00000	—	1,347.98
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.954	116.954
Total	89.3514	84.8189	64.8063	429.892	0.93322	0.88789	80.4144	81.3023	0.83827	20.4404	21.2786	489.446	99,000.8	99,490.3	55.9193	6.45899	125.546	102,939
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	72.6723	68.8449	54.6838	374.882	0.86367	0.75999	72.1065	72.8665	0.71501	18.3321	19.0471	—	88,112.5	88,112.5	5.00258	5.35474	129.775	89,963.1
Area	10.9918	10.8724	0.07319	8.69770	0.00052	0.01545	—	0.01545	0.01168	—	0.01168	—	35.7672	35.7672	0.00150	0.00031	—	35.8961
Energy	0.07152	0.03576	0.65023	0.54619	0.00390	0.04942	—	0.04942	0.04942	—	0.04942	—	4,050.54	4,050.54	0.59844	0.06568	—	4,085.07
Water	—	—	—	—	—	—	—	—	—	—	—	104.162	119.662	223.824	10.7000	0.25611	—	567.646
Waste	—	—	—	—	—	—	—	—	—	—	—	385.284	0.00000	385.284	38.5077	0.00000	—	1,347.98
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.954	116.954
Total	83.7356	79.7531	55.4072	384.126	0.86809	0.82486	72.1065	72.9313	0.77611	18.3321	19.1082	489.446	92,318.5	92,807.9	54.8102	5.67684	246.729	96,116.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	13.2627	12.5642	9.97979	68.4160	0.15762	0.13870	13.1594	13.2981	0.13049	3.34561	3.47610	—	14,588.0	14,588.0	0.82823	0.88654	21.4857	14,894.4
Area	2.00600	1.98421	0.01336	1.58733	0.00009	0.00282	—	0.00282	0.00213	—	0.00213	—	5.92166	5.92166	0.00025	0.00005	—	5.94301
Energy	0.01305	0.00653	0.11867	0.09968	0.00071	0.00902	—	0.00902	0.00902	—	0.00902	—	670.613	670.613	0.09908	0.01087	—	676.331

Water	—	—	—	—	—	—	—	—	—	—	—	17.2452	19.8115	37.0567	1.77150	0.04240	—	93.9803
Waste	—	—	—	—	—	—	—	—	—	—	—	63.7881	0.00000	63.7881	6.37540	0.00000	—	223.173
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.3631	19.3631
Total	15.2817	14.5549	10.1118	70.1030	0.15843	0.15054	13.1594	13.3100	0.14164	3.34561	3.48725	81.0334	15,284.4	15,365.4	9.07446	0.93986	40.8488	15,913.2

2.5. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	88.2880	84.2674	56.4662	461.447	1.01261	0.83734	80.4144	81.2518	0.78778	20.4404	21.2281	—	103,255	103,255	4.99575	5.73350	331.325	105,420
Area	9.28719	9.28719	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.07152	0.03576	0.65023	0.54619	0.00390	0.04942	—	0.04942	0.04942	—	0.04942	—	4,056.90	4,056.90	0.59947	0.06580	—	4,091.49
Water	—	—	—	—	—	—	—	—	—	—	—	104.162	119.662	223.824	10.7000	0.25611	—	567.646
Waste	—	—	—	—	—	—	—	—	—	—	—	385.284	0.00000	385.284	38.5077	0.00000	—	1,347.98
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.954	116.954
Total	97.6467	93.5903	57.1164	461.993	1.01652	0.88676	80.4144	81.3012	0.83720	20.4404	21.2776	489.446	107,432	107,921	54.8029	6.05542	448.279	111,544
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	79.8358	75.3391	64.1561	429.346	0.92932	0.83847	80.4144	81.2529	0.78886	20.4404	21.2292	—	94,830.6	94,830.6	6.11310	6.13719	8.59175	96,820.9
Area	9.28719	9.28719	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.07152	0.03576	0.65023	0.54619	0.00390	0.04942	—	0.04942	0.04942	—	0.04942	—	4,050.54	4,050.54	0.59844	0.06568	—	4,085.07
Water	—	—	—	—	—	—	—	—	—	—	—	104.162	119.662	223.824	10.7000	0.25611	—	567.646
Waste	—	—	—	—	—	—	—	—	—	—	—	385.284	0.00000	385.284	38.5077	0.00000	—	1,347.98
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.954	116.954
Total	89.1946	84.6620	64.8063	429.892	0.93322	0.88789	80.4144	81.3023	0.83827	20.4404	21.2786	489.446	99,000.8	99,490.3	55.9193	6.45899	125.546	102,939
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	72.6723	68.8449	54.6838	374.882	0.86367	0.75999	72.1065	72.8665	0.71501	18.3321	19.0471	—	88,112.5	88,112.5	5.00258	5.35474	129.775	89,963.1
Area	9.28719	9.28719	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.07152	0.03576	0.65023	0.54619	0.00390	0.04942	—	0.04942	0.04942	—	0.04942	—	4,053.67	4,053.67	0.59894	0.06574	—	4,088.24
Water	—	—	—	—	—	—	—	—	—	—	—	104.162	119.662	223.824	10.7000	0.25611	—	567.646
Waste	—	—	—	—	—	—	—	—	—	—	—	385.284	0.00000	385.284	38.5077	0.00000	—	1,347.98
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.954	116.954
Total	82.0310	78.1679	55.3340	375.428	0.86757	0.80941	72.1065	72.9159	0.76443	18.3321	19.0965	489.446	92,285.9	92,775.3	54.8092	5.67659	246.729	96,083.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	13.2627	12.5642	9.97979	68.4160	0.15762	0.13870	13.1594	13.2981	0.13049	3.34561	3.47610	—	14,588.0	14,588.0	0.82823	0.88654	21.4857	14,894.4
Area	1.69491	1.69491	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.01305	0.00653	0.11867	0.09968	0.00071	0.00902	—	0.00902	0.00902	—	0.00902	—	671.132	671.132	0.09916	0.01088	—	676.854
Water	—	—	—	—	—	—	—	—	—	—	—	17.2452	19.8115	37.0567	1.77150	0.04240	—	93.9803
Waste	—	—	—	—	—	—	—	—	—	—	—	63.7881	0.00000	63.7881	6.37540	0.00000	—	223.173
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.3631	19.3631
Total	14.9707	14.2656	10.0985	68.5156	0.15833	0.14772	13.1594	13.3071	0.13951	3.34561	3.48511	81.0334	15,279.0	15,360.0	9.07430	0.93982	40.8488	15,907.8

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Regional Shopping Center	37.3511	35.6502	23.8886	195.220	0.42840	0.35425	34.0201	34.3744	0.33328	8.64750	8.98078	—	43,683.2	43,683.2	2.11350	2.42562	140.170	44,599.0
Medical Office Building	0.61607	0.58801	0.39402	3.21995	0.00707	0.00584	0.56113	0.56697	0.00550	0.14263	0.14813	—	720.510	720.510	0.03486	0.04001	2.31197	735.616
Convenience Market with Gas Pumps	28.4951	27.1974	18.2246	148.933	0.32682	0.27025	25.9539	26.2241	0.25426	6.59716	6.85141	—	33,325.8	33,325.8	1.61239	1.85050	106.936	34,024.5
Fast Food Restaurant with Drive Thru	20.3110	19.3860	12.9902	106.157	0.23296	0.19263	18.4996	18.6922	0.18123	4.70237	4.88360	—	23,754.2	23,754.2	1.14929	1.31901	76.2223	24,252.2
Automobile Care Center	1.35824	1.29639	0.86869	7.09899	0.01558	0.01288	1.23711	1.24999	0.01212	0.31446	0.32658	—	1,588.50	1,588.50	0.07686	0.08821	5.09716	1,621.80
Unrefrigerated Warehouse-No Rail	0.15651	0.14938	0.10010	0.81799	0.00180	0.00148	0.14255	0.14403	0.00140	0.03623	0.03763	—	183.037	183.037	0.00886	0.01016	0.58733	186.874
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	88.2880	84.2674	56.4662	461.447	1.01261	0.83734	80.4144	81.2518	0.78778	20.4404	21.2281	—	103,255	103,255	4.99575	5.73350	331.325	105,420

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	33.7754	31.8730	27.1419	181.639	0.39316	0.35472	34.0201	34.3749	0.33373	8.64750	8.98124	—	40,119.1	40,119.1	2.58621	2.59640	3.63483	40,961.1
Medical Office Building	0.55709	0.52571	0.44768	2.99596	0.00648	0.00585	0.56113	0.56698	0.00550	0.14263	0.14814	—	661.724	661.724	0.04266	0.04283	0.05995	675.612
Convenience Market with Gas Pumps	25.7671	24.3158	20.7065	138.572	0.29994	0.27062	25.9539	26.2245	0.25460	6.59716	6.85176	—	30,606.7	30,606.7	1.97301	1.98079	2.77300	31,249.1
Fast Food Restaurant with Drive Thru	18.3665	17.3320	14.7593	98.7724	0.21379	0.19289	18.4996	18.6925	0.18148	4.70237	4.88385	—	21,816.1	21,816.1	1.40634	1.41188	1.97656	22,274.0
Automobile Care Center	1.22821	1.15903	0.98699	6.60514	0.01430	0.01290	1.23711	1.25001	0.01214	0.31446	0.32659	—	1,458.89	1,458.89	0.09405	0.09442	0.13218	1,489.51
Unrefrigerated Warehouse-No Rail	0.14152	0.13355	0.11373	0.76109	0.00165	0.00149	0.14255	0.14403	0.00140	0.03623	0.03763	—	168.103	168.103	0.01084	0.01088	0.01523	171.631
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Total	79.8358	75.3391	64.1561	429.346	0.92932	0.83847	80.4144	81.2529	0.78886	20.4404	21.2292	—	94,830.6	94,830.6	6.11310	6.13719	8.59175	96,820.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	5.66233	5.36412	4.26074	29.2093	0.06729	0.05922	5.61824	5.67746	0.05571	1.42836	1.48407	—	6,228.16	6,228.16	0.35360	0.37850	9.17301	6,358.97
Medical Office Building	0.07468	0.07074	0.05619	0.38522	0.00089	0.00078	0.07410	0.07488	0.00073	0.01884	0.01957	—	82.1394	82.1394	0.00466	0.00499	0.12098	83.8645
Convenience Market with Gas Pumps	4.71281	4.46461	3.54625	24.3112	0.05601	0.04929	4.67612	4.72540	0.04637	1.18884	1.23521	—	5,183.76	5,183.76	0.29431	0.31503	7.63479	5,292.63
Fast Food Restaurant with Drive Thru	2.57177	2.43633	1.93518	13.2665	0.03056	0.02690	2.55175	2.57864	0.02530	0.64875	0.67405	—	2,828.77	2,828.77	0.16060	0.17191	4.16629	2,888.18
Automobile Care Center	0.21757	0.20611	0.16371	1.12234	0.00259	0.00228	0.21588	0.21815	0.00214	0.05488	0.05702	—	239.311	239.311	0.01359	0.01454	0.35246	244.337
Unrefrigerated Warehouse-No Rail	0.02354	0.02230	0.01771	0.12142	0.00028	0.00025	0.02335	0.02360	0.00023	0.00594	0.00617	—	25.8897	25.8897	0.00147	0.00157	0.03813	26.4335
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Total	13.2627	12.5642	9.97979	68.4160	0.15762	0.13870	13.1594	13.2981	0.13049	3.34561	3.47610	—	14,588.0	14,588.0	0.82823	0.88654	21.4857	14,894.4

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	37.3511	35.6502	23.8886	195.220	0.42840	0.35425	34.0201	34.3744	0.33328	8.64750	8.98078	—	43,683.2	43,683.2	2.11350	2.42562	140.170	44,599.0
Medical Office Building	0.61607	0.58801	0.39402	3.21995	0.00707	0.00584	0.56113	0.56697	0.00550	0.14263	0.14813	—	720.510	720.510	0.03486	0.04001	2.31197	735.616
Convenience Market with Gas Pumps	28.4951	27.1974	18.2246	148.933	0.32682	0.27025	25.9539	26.2241	0.25426	6.59716	6.85141	—	33,325.8	33,325.8	1.61239	1.85050	106.936	34,024.5
Fast Food Restaurant with Drive Thru	20.3110	19.3860	12.9902	106.157	0.23296	0.19263	18.4996	18.6922	0.18123	4.70237	4.88360	—	23,754.2	23,754.2	1.14929	1.31901	76.2223	24,252.2
Automobile Care Center	1.35824	1.29639	0.86869	7.09899	0.01558	0.01288	1.23711	1.24999	0.01212	0.31446	0.32658	—	1,588.50	1,588.50	0.07686	0.08821	5.09716	1,621.80
Unrefrigerated Warehouse-No Rail	0.15651	0.14938	0.10010	0.81799	0.00180	0.00148	0.14255	0.14403	0.00140	0.03623	0.03763	—	183.037	183.037	0.00886	0.01016	0.58733	186.874

Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	88.2880	84.2674	56.4662	461.447	1.01261	0.83734	80.4144	81.2518	0.78778	20.4404	21.2281	—	103,255	103,255	4.99575	5.73350	331.325	105,420
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	33.7754	31.8730	27.1419	181.639	0.39316	0.35472	34.0201	34.3749	0.33373	8.64750	8.98124	—	40,119.1	40,119.1	2.58621	2.59640	3.63483	40,961.1
Medical Office Building	0.55709	0.52571	0.44768	2.99596	0.00648	0.00585	0.56113	0.56698	0.00550	0.14263	0.14814	—	661.724	661.724	0.04266	0.04283	0.05995	675.612
Convenience Market with Gas Pumps	25.7671	24.3158	20.7065	138.572	0.29994	0.27062	25.9539	26.2245	0.25460	6.59716	6.85176	—	30,606.7	30,606.7	1.97301	1.98079	2.77300	31,249.1
Fast Food Restaurant with Drive Thru	18.3665	17.3320	14.7593	98.7724	0.21379	0.19289	18.4996	18.6925	0.18148	4.70237	4.88385	—	21,816.1	21,816.1	1.40634	1.41188	1.97656	22,274.0
Automobile Care Center	1.22821	1.15903	0.98699	6.60514	0.01430	0.01290	1.23711	1.25001	0.01214	0.31446	0.32659	—	1,458.89	1,458.89	0.09405	0.09442	0.13218	1,489.51

Unrefrigerated Warehouse-No Rail	0.14152	0.13355	0.11373	0.76109	0.00165	0.00149	0.14255	0.14403	0.00140	0.03623	0.03763	—	168.103	168.103	0.01084	0.01088	0.01523	171.631
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	79.8358	75.3391	64.1561	429.346	0.92932	0.83847	80.4144	81.2529	0.78886	20.4404	21.2292	—	94,830.6	94,830.6	6.11310	6.13719	8.59175	96,820.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	5.66233	5.36412	4.26074	29.2093	0.06729	0.05922	5.61824	5.67746	0.05571	1.42836	1.48407	—	6,228.16	6,228.16	0.35360	0.37850	9.17301	6,358.97
Medical Office Building	0.07468	0.07074	0.05619	0.38522	0.00089	0.00078	0.07410	0.07488	0.00073	0.01884	0.01957	—	82.1394	82.1394	0.00466	0.00499	0.12098	83.8645
Convenience Market with Gas Pumps	4.71281	4.46461	3.54625	24.3112	0.05601	0.04929	4.67612	4.72540	0.04637	1.18884	1.23521	—	5,183.76	5,183.76	0.29431	0.31503	7.63479	5,292.63
Fast Food Restaurant with Drive Thru	2.57177	2.43633	1.93518	13.2665	0.03056	0.02690	2.55175	2.57864	0.02530	0.64875	0.67405	—	2,828.77	2,828.77	0.16060	0.17191	4.16629	2,888.18
Automobile Care Center	0.21757	0.20611	0.16371	1.12234	0.00259	0.00228	0.21588	0.21815	0.00214	0.05488	0.05702	—	239.311	239.311	0.01359	0.01454	0.35246	244.337

Unrefrig Warehouse-No Rail	0.02354	0.02230	0.01771	0.12142	0.00028	0.00025	0.02335	0.02360	0.00023	0.00594	0.00617	—	25.8897	25.8897	0.00147	0.00157	0.03813	26.4335
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	13.2627	12.5642	9.97979	68.4160	0.15762	0.13870	13.1594	13.2981	0.13049	3.34561	3.47610	—	14,588.0	14,588.0	0.82823	0.88654	21.4857	14,894.4

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	1,791.65	1,791.65	0.28985	0.03513	—	1,809.37
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	179.338	179.338	0.02901	0.00352	—	181.111
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	16.3693	16.3693	0.00265	0.00032	—	16.5311

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	421.294	421.294	0.06816	0.00826	—	425.460
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	54.6993	54.6993	0.00885	0.00107	—	55.2402
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	275.029	275.029	0.04449	0.00539	—	277.748
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	536.329	536.329	0.08677	0.01052	—	541.632
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	3,274.71	3,274.71	0.52978	0.06422	—	3,307.09
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	1,791.65	1,791.65	0.28985	0.03513	—	1,809.37
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	179.338	179.338	0.02901	0.00352	—	181.111

Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	16.3693	16.3693	0.00265	0.00032	—	16.5311
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	421.294	421.294	0.06816	0.00826	—	425.460
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	54.6993	54.6993	0.00885	0.00107	—	55.2402
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	275.029	275.029	0.04449	0.00539	—	277.748
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	536.329	536.329	0.08677	0.01052	—	541.632
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	3,274.71	3,274.71	0.52978	0.06422	—	3,307.09
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	296.629	296.629	0.04799	0.00582	—	299.562
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	29.6915	29.6915	0.00480	0.00058	—	29.9851

Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	2.71012	2.71012	0.00044	0.00005	—	2.73692
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	69.7501	69.7501	0.01128	0.00137	—	70.4397
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	9.05609	9.05609	0.00147	0.00018	—	9.14564
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	45.5341	45.5341	0.00737	0.00089	—	45.9844
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	88.7953	88.7953	0.01437	0.00174	—	89.6734
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	542.166	542.166	0.08771	0.01063	—	547.527

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Regional	—	—	—	—	—	—	—	—	—	—	—	—	1,796.90	1,796.90	0.29070	0.03524	—	1,814.67
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	179.481	179.481	0.02904	0.00352	—	181.256
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	16.3760	16.3760	0.00265	0.00032	—	16.5379
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	421.559	421.559	0.06820	0.00827	—	425.727
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	54.7635	54.7635	0.00886	0.00107	—	55.3050
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	275.655	275.655	0.04460	0.00541	—	278.381
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	536.329	536.329	0.08677	0.01052	—	541.632
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	3,281.07	3,281.07	0.53081	0.06434	—	3,313.51
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Regional	—	—	—	—	—	—	—	—	—	—	—	—	1,791.65	1,791.65	0.28985	0.03513	—	1,809.37
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	179.338	179.338	0.02901	0.00352	—	181.111
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	16.3693	16.3693	0.00265	0.00032	—	16.5311
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	421.294	421.294	0.06816	0.00826	—	425.460
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	54.6993	54.6993	0.00885	0.00107	—	55.2402
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	275.029	275.029	0.04449	0.00539	—	277.748
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	536.329	536.329	0.08677	0.01052	—	541.632
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	3,274.71	3,274.71	0.52978	0.06422	—	3,307.09
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Regional Shopping	—	—	—	—	—	—	—	—	—	—	—	—	297.057	297.057	0.04806	0.00583	—	299.995
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	29.7032	29.7032	0.00481	0.00058	—	29.9969
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	2.71067	2.71067	0.00044	0.00005	—	2.73747
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	69.7716	69.7716	0.01129	0.00137	—	70.4615
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	9.06134	9.06134	0.00147	0.00018	—	9.15094
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	45.5853	45.5853	0.00737	0.00089	—	46.0361
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	88.7953	88.7953	0.01437	0.00174	—	89.6734
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	542.685	542.685	0.08779	0.01064	—	548.051

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.00920	0.00460	0.08363	0.07025	0.00050	0.00636	—	0.00636	0.00636	—	0.00636	—	99.7823	99.7823	0.00883	0.00019	—	100.059
Medical Office Building	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Convenience Market with Gas Pumps	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Fast Food Restaurant with Drive Thru	0.06233	0.03116	0.56660	0.47594	0.00340	0.04306	—	0.04306	0.04306	—	0.04306	—	676.046	676.046	0.05983	0.00127	—	677.921
Automobile Care Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unrefrigerated Warehouse-No Rail	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.07152	0.03576	0.65023	0.54619	0.00390	0.04942	—	0.04942	0.04942	—	0.04942	—	775.828	775.828	0.06866	0.00146	—	777.980
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.00920	0.00460	0.08363	0.07025	0.00050	0.00636	—	0.00636	0.00636	—	0.00636	—	99.7823	99.7823	0.00883	0.00019	—	100.059
Medical Office Building	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Convenience Market with Gas Pumps	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Fast Food Restaurant with Drive Thru	0.06233	0.03116	0.56660	0.47594	0.00340	0.04306	—	0.04306	0.04306	—	0.04306	—	676.046	676.046	0.05983	0.00127	—	677.921
Automobile Care Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unrefrigerated Warehouse-No Rail	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.07152	0.03576	0.65023	0.54619	0.00390	0.04942	—	0.04942	0.04942	—	0.04942	—	775.828	775.828	0.06866	0.00146	—	777.980
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.00168	0.00084	0.01526	0.01282	0.00009	0.00116	—	0.00116	0.00116	—	0.00116	—	16.5201	16.5201	0.00146	0.00003	—	16.5659
Medical Office Building	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Convenience Market with Gas Pumps	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Fast Food Restaurant with Drive Thru	0.01137	0.00569	0.10340	0.08686	0.00062	0.00786	—	0.00786	0.00786	—	0.00786	—	111.927	111.927	0.00991	0.00021	—	112.238
Automobile Care Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unrefrigerated Warehouse-No Rail	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.01305	0.00653	0.11867	0.09968	0.00071	0.00902	—	0.00902	0.00902	—	0.00902	—	128.447	128.447	0.01137	0.00024	—	128.803

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.00920	0.00460	0.08363	0.07025	0.00050	0.00636	—	0.00636	0.00636	—	0.00636	—	99.7823	99.7823	0.00883	0.00019	—	100.059
Medical Office Building	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Convenience Market with Gas Pumps	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Fast Food Restaurant with Drive Thru	0.06233	0.03116	0.56660	0.47594	0.00340	0.04306	—	0.04306	0.04306	—	0.04306	—	676.046	676.046	0.05983	0.00127	—	677.921

Automobile Care Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unrefrigerated Warehouse-No Rail	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.07152	0.03576	0.65023	0.54619	0.00390	0.04942	—	0.04942	0.04942	—	0.04942	—	775.828	775.828	0.06866	0.00146	—	777.980
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.00920	0.00460	0.08363	0.07025	0.00050	0.00636	—	0.00636	0.00636	—	0.00636	—	99.7823	99.7823	0.00883	0.00019	—	100.059
Medical Office Building	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Convenience Market with Gas Pumps	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

Fast Food Restaurant with Drive Thru	0.06233	0.03116	0.56660	0.47594	0.00340	0.04306	—	0.04306	0.04306	—	0.04306	—	676.046	676.046	0.05983	0.00127	—	677.921
Automobile Care Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unrefrigerated Warehouse-No Rail	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.07152	0.03576	0.65023	0.54619	0.00390	0.04942	—	0.04942	0.04942	—	0.04942	—	775.828	775.828	0.06866	0.00146	—	777.980
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.00168	0.00084	0.01526	0.01282	0.00009	0.00116	—	0.00116	0.00116	—	0.00116	—	16.5201	16.5201	0.00146	0.00003	—	16.5659
Medical Office Building	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Convenience Market with Gas Pumps	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

Fast Food Restaurant with Drive Thru	0.01137	0.00569	0.10340	0.08686	0.00062	0.00786	—	0.00786	0.00786	—	0.00786	—	111.927	111.927	0.00991	0.00021	—	112.238
Automobile Care Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unrefrigerated Warehouse-No Rail	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.01305	0.00653	0.11867	0.09968	0.00071	0.00902	—	0.00902	0.00902	—	0.00902	—	128.447	128.447	0.01137	0.00024	—	128.803

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	8.80563	8.80563	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	0.63845	0.63845	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	3.13835	2.89631	0.14841	17.6370	0.00105	0.03133	—	0.03133	0.02368	—	0.02368	—	72.5279	72.5279	0.00304	0.00062	—	72.7894
Total	12.5824	12.3404	0.14841	17.6370	0.00105	0.03133	—	0.03133	0.02368	—	0.02368	—	72.5279	72.5279	0.00304	0.00062	—	72.7894
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	8.80563	8.80563	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.63845	0.63845	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	9.44408	9.44408	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.60703	1.60703	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.11652	0.11652	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.28245	0.26067	0.01336	1.58733	0.00009	0.00282	—	0.00282	0.00213	—	0.00213	—	5.92166	5.92166	0.00025	0.00005	—	5.94301
Total	2.00600	1.98421	0.01336	1.58733	0.00009	0.00282	—	0.00282	0.00213	—	0.00213	—	5.92166	5.92166	0.00025	0.00005	—	5.94301

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	8.80563	8.80563	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.48156	0.48156	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	9.28719	9.28719	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	8.80563	8.80563	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.48156	0.48156	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	9.28719	9.28719	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.60703	1.60703	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.08788	0.08788	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	1.69491	1.69491	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	104.162	119.662	223.824	10.7000	0.25611	—	567.646
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	104.162	119.662	223.824	10.7000	0.25611	—	567.646
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	104.162	119.662	223.824	10.7000	0.25611	—	567.646
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	104.162	119.662	223.824	10.7000	0.25611	—	567.646
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	17.2452	19.8115	37.0567	1.77150	0.04240	—	93.9803
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Unrefrig Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	17.2452	19.8115	37.0567	1.77150	0.04240	—	93.9803

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	104.162	119.662	223.824	10.7000	0.25611	—	567.646
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	104.162	119.662	223.824	10.7000	0.25611	—	567.646
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	104.162	119.662	223.824	10.7000	0.25611	—	567.646
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	104.162	119.662	223.824	10.7000	0.25611	—	567.646
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	17.2452	19.8115	37.0567	1.77150	0.04240	—	93.9803
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	17.2452	19.8115	37.0567	1.77150	0.04240	—	93.9803

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	189.573	0.00000	189.573	18.9472	0.00000	—	663.253
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	53.1357	0.00000	53.1357	5.31072	0.00000	—	185.904
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	9.13479	0.00000	9.13479	0.91299	0.00000	—	31.9595
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	104.735	0.00000	104.735	10.4679	0.00000	—	366.432
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	8.44086	0.00000	8.44086	0.84363	0.00000	—	29.5317
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	20.2641	0.00000	20.2641	2.02532	0.00000	—	70.8972
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Total	—	—	—	—	—	—	—	—	—	—	—	385.284	0.00000	385.284	38.5077	0.00000	—	1,347.98
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	189.573	0.00000	189.573	18.9472	0.00000	—	663.253
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	53.1357	0.00000	53.1357	5.31072	0.00000	—	185.904
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	9.13479	0.00000	9.13479	0.91299	0.00000	—	31.9595
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	104.735	0.00000	104.735	10.4679	0.00000	—	366.432
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	8.44086	0.00000	8.44086	0.84363	0.00000	—	29.5317
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	20.2641	0.00000	20.2641	2.02532	0.00000	—	70.8972
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	385.284	0.00000	385.284	38.5077	0.00000	—	1,347.98
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	31.3860	0.00000	31.3860	3.13692	0.00000	—	109.809
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	8.79722	0.00000	8.79722	0.87925	0.00000	—	30.7785
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	1.51237	0.00000	1.51237	0.15116	0.00000	—	5.29126
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	17.3401	0.00000	17.3401	1.73308	0.00000	—	60.6671
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	1.39748	0.00000	1.39748	0.13967	0.00000	—	4.88931
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	3.35495	0.00000	3.35495	0.33532	0.00000	—	11.7378
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	63.7881	0.00000	63.7881	6.37540	0.00000	—	223.173

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	189.573	0.00000	189.573	18.9472	0.00000	—	663.253
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	53.1357	0.00000	53.1357	5.31072	0.00000	—	185.904
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	9.13479	0.00000	9.13479	0.91299	0.00000	—	31.9595
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	104.735	0.00000	104.735	10.4679	0.00000	—	366.432
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	8.44086	0.00000	8.44086	0.84363	0.00000	—	29.5317

Unrefrigerated Wareho Rail	—	—	—	—	—	—	—	—	—	—	—	20.2641	0.00000	20.2641	2.02532	0.00000	—	70.8972
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	385.284	0.00000	385.284	38.5077	0.00000	—	1,347.98
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	189.573	0.00000	189.573	18.9472	0.00000	—	663.253
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	53.1357	0.00000	53.1357	5.31072	0.00000	—	185.904
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	9.13479	0.00000	9.13479	0.91299	0.00000	—	31.9595
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	104.735	0.00000	104.735	10.4679	0.00000	—	366.432
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	8.44086	0.00000	8.44086	0.84363	0.00000	—	29.5317

Unrefrig Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	20.2641	0.00000	20.2641	2.02532	0.00000	—	70.8972
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	385.284	0.00000	385.284	38.5077	0.00000	—	1,347.98
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	31.3860	0.00000	31.3860	3.13692	0.00000	—	109.809
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	8.79722	0.00000	8.79722	0.87925	0.00000	—	30.7785
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	1.51237	0.00000	1.51237	0.15116	0.00000	—	5.29126
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	17.3401	0.00000	17.3401	1.73308	0.00000	—	60.6671
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	1.39748	0.00000	1.39748	0.13967	0.00000	—	4.88931

Unrefrigerated Wareho Rail	—	—	—	—	—	—	—	—	—	—	—	3.35495	0.00000	3.35495	0.33532	0.00000	—	11.7378
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	63.7881	0.00000	63.7881	6.37540	0.00000	—	223.173

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.60822	1.60822
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23326	0.23326
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	88.7327	88.7327

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	26.3737	26.3737
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00640	0.00640
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.954	116.954
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.60822	1.60822
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23326	0.23326
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	88.7327	88.7327
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	26.3737	26.3737
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00640	0.00640
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.954	116.954
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Regiona Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26626	0.26626
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03862	0.03862
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14.6907	14.6907
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.36646	4.36646
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00106	0.00106
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.3631	19.3631

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.60822	1.60822

Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23326	0.23326
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	88.7327	88.7327
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	26.3737	26.3737
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00640	0.00640
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.954	116.954
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.60822	1.60822
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23326	0.23326
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	88.7327	88.7327

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	26.3737	26.3737
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00640	0.00640
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.954	116.954
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26626	0.26626
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03862	0.03862
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14.6907	14.6907
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.36646	4.36646
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00106	0.00106
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.3631	19.3631

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Regional Shopping Center	12,162.0	12,113.9	5,009.55	4,063,674	47,868.1	47,678.9	19,717.0	15,994,119
Medical Office Building	200.600	22.0800	2.73600	53,593.3	789.537	86.9042	10.7686	210,936
Convenience Market with Gas Pumps	9,278.36	9,236.50	9,236.50	3,382,236	36,518.5	36,353.7	36,353.7	13,312,064
Fast Food Restaurant with Drive Thru	4,917.90	6,613.50	4,193.58	1,845,679	19,356.2	26,029.9	16,505.4	7,264,364
Automobile Care Center	422.000	442.260	442.260	156,143	1,660.94	1,740.68	1,740.68	614,559

Unrefrigerated Warehouse-No Rail	47.3200	50.9600	36.4000	16,892.2	186.246	200.572	143.266	66,485.6
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Regional Shopping Center	12,162.0	12,113.9	5,009.55	4,063,674	47,868.1	47,678.9	19,717.0	15,994,119
Medical Office Building	200.600	22.0800	2.73600	53,593.3	789.537	86.9042	10.7686	210,936
Convenience Market with Gas Pumps	9,278.36	9,236.50	9,236.50	3,382,236	36,518.5	36,353.7	36,353.7	13,312,064
Fast Food Restaurant with Drive Thru	4,917.90	6,613.50	4,193.58	1,845,679	19,356.2	26,029.9	16,505.4	7,264,364
Automobile Care Center	422.000	442.260	442.260	156,143	1,660.94	1,740.68	1,740.68	614,559
Unrefrigerated Warehouse-No Rail	47.3200	50.9600	36.4000	16,892.2	186.246	200.572	143.266	66,485.6
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Regional Shopping Center	Wood Fireplaces	0	0
Regional Shopping Center	Gas Fireplaces	0	0
Regional Shopping Center	Propane Fireplaces	0	0
Regional Shopping Center	Electric Fireplaces	0	0
Regional Shopping Center	No Fireplaces	0	0
Regional Shopping Center	Conventional Wood Stoves	0	0
Regional Shopping Center	Catalytic Wood Stoves	0	0
Regional Shopping Center	Non-Catalytic Wood Stoves	0	0
Regional Shopping Center	Pellet Wood Stoves	0	0
Medical Office Building	Wood Fireplaces	0	0
Medical Office Building	Gas Fireplaces	0	0
Medical Office Building	Propane Fireplaces	0	0
Medical Office Building	Electric Fireplaces	0	0
Medical Office Building	No Fireplaces	0	0
Medical Office Building	Conventional Wood Stoves	0	0
Medical Office Building	Catalytic Wood Stoves	0	0
Medical Office Building	Non-Catalytic Wood Stoves	0	0
Medical Office Building	Pellet Wood Stoves	0	0
Convenience Market with Gas Pumps	Wood Fireplaces	0	0
Convenience Market with Gas Pumps	Gas Fireplaces	0	0
Convenience Market with Gas Pumps	Propane Fireplaces	0	0
Convenience Market with Gas Pumps	Electric Fireplaces	0	0
Convenience Market with Gas Pumps	No Fireplaces	0	0
Convenience Market with Gas Pumps	Conventional Wood Stoves	0	0
Convenience Market with Gas Pumps	Catalytic Wood Stoves	0	0
Convenience Market with Gas Pumps	Non-Catalytic Wood Stoves	0	0
Convenience Market with Gas Pumps	Pellet Wood Stoves	0	0

Fast Food Restaurant with Drive Thru	Wood Fireplaces	0	0
Fast Food Restaurant with Drive Thru	Gas Fireplaces	0	0
Fast Food Restaurant with Drive Thru	Propane Fireplaces	0	0
Fast Food Restaurant with Drive Thru	Electric Fireplaces	0	0
Fast Food Restaurant with Drive Thru	No Fireplaces	0	0
Fast Food Restaurant with Drive Thru	Conventional Wood Stoves	0	0
Fast Food Restaurant with Drive Thru	Catalytic Wood Stoves	0	0
Fast Food Restaurant with Drive Thru	Non-Catalytic Wood Stoves	0	0
Fast Food Restaurant with Drive Thru	Pellet Wood Stoves	0	0
Automobile Care Center	Wood Fireplaces	0	0
Automobile Care Center	Gas Fireplaces	0	0
Automobile Care Center	Propane Fireplaces	0	0
Automobile Care Center	Electric Fireplaces	0	0
Automobile Care Center	No Fireplaces	0	0
Automobile Care Center	Conventional Wood Stoves	0	0
Automobile Care Center	Catalytic Wood Stoves	0	0
Automobile Care Center	Non-Catalytic Wood Stoves	0	0
Automobile Care Center	Pellet Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Wood Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Gas Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Propane Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Electric Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	No Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Conventional Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Catalytic Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Non-Catalytic Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Pellet Wood Stoves	0	0
Parking Lot	Wood Fireplaces	0	0

Parking Lot	Gas Fireplaces	0	0
Parking Lot	Propane Fireplaces	0	0
Parking Lot	Electric Fireplaces	0	0
Parking Lot	No Fireplaces	0	0
Parking Lot	Conventional Wood Stoves	0	0
Parking Lot	Catalytic Wood Stoves	0	0
Parking Lot	Non-Catalytic Wood Stoves	0	0
Parking Lot	Pellet Wood Stoves	0	0
Other Asphalt Surfaces	Wood Fireplaces	0	0
Other Asphalt Surfaces	Gas Fireplaces	0	0
Other Asphalt Surfaces	Propane Fireplaces	0	0
Other Asphalt Surfaces	Electric Fireplaces	0	0
Other Asphalt Surfaces	No Fireplaces	0	0
Other Asphalt Surfaces	Conventional Wood Stoves	0	0
Other Asphalt Surfaces	Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Non-Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Pellet Wood Stoves	0	0
Other Non-Asphalt Surfaces	Wood Fireplaces	0	0
Other Non-Asphalt Surfaces	Gas Fireplaces	0	0
Other Non-Asphalt Surfaces	Propane Fireplaces	0	0
Other Non-Asphalt Surfaces	Electric Fireplaces	0	0
Other Non-Asphalt Surfaces	No Fireplaces	0	0
Other Non-Asphalt Surfaces	Conventional Wood Stoves	0	0
Other Non-Asphalt Surfaces	Catalytic Wood Stoves	0	0
Other Non-Asphalt Surfaces	Non-Catalytic Wood Stoves	0	0
Other Non-Asphalt Surfaces	Pellet Wood Stoves	0	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0.00000	0.00000	608,297	202,766	97,091.8

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	180.000

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	180.000

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Regional Shopping Center	3,205,924	203.983	0.0330	0.0040	311,348
Medical Office Building	320,901	203.983	0.0330	0.0040	0.00000
Convenience Market with Gas Pumps	29,290.6	203.983	0.0330	0.0040	0.00000
Fast Food Restaurant with Drive Thru	753,849	203.983	0.0330	0.0040	2,109,444
Automobile Care Center	97,877.0	203.983	0.0330	0.0040	0.00000
Unrefrigerated Warehouse-No Rail	492,127	203.983	0.0330	0.0040	0.00000
Parking Lot	959,688	203.983	0.0330	0.0040	0.00000

Other Asphalt Surfaces	0.00000	203.983	0.0330	0.0040	0.00000
Other Non-Asphalt Surfaces	0.00000	203.983	0.0330	0.0040	0.00000

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Regional Shopping Center	3,205,924	203.983	0.0330	0.0040	311,348
Medical Office Building	320,901	203.983	0.0330	0.0040	0.00000
Convenience Market with Gas Pumps	29,290.6	203.983	0.0330	0.0040	0.00000
Fast Food Restaurant with Drive Thru	753,849	203.983	0.0330	0.0040	2,109,444
Automobile Care Center	97,877.0	203.983	0.0330	0.0040	0.00000
Unrefrigerated Warehouse-No Rail	492,127	203.983	0.0330	0.0040	0.00000
Parking Lot	959,688	203.983	0.0330	0.0040	0.00000
Other Asphalt Surfaces	0.00000	203.983	0.0330	0.0040	0.00000
Other Non-Asphalt Surfaces	0.00000	203.983	0.0330	0.0040	0.00000

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Regional Shopping Center	54,357,625	0.00000
Medical Office Building	0.00000	0.00000
Convenience Market with Gas Pumps	0.00000	0.00000
Fast Food Restaurant with Drive Thru	0.00000	0.00000
Automobile Care Center	0.00000	0.00000
Unrefrigerated Warehouse-No Rail	0.00000	0.00000

Parking Lot	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Regional Shopping Center	54,357,625	0.00000
Medical Office Building	0.00000	0.00000
Convenience Market with Gas Pumps	0.00000	0.00000
Fast Food Restaurant with Drive Thru	0.00000	0.00000
Automobile Care Center	0.00000	0.00000
Unrefrigerated Warehouse-No Rail	0.00000	0.00000
Parking Lot	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Regional Shopping Center	351.753	0.00000
Medical Office Building	98.5932	0.00000
Convenience Market with Gas Pumps	16.9496	0.00000
Fast Food Restaurant with Drive Thru	194.336	0.00000
Automobile Care Center	15.6620	0.00000
Unrefrigerated Warehouse-No Rail	37.6000	0.00000
Parking Lot	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000

Other Non-Asphalt Surfaces	0.00000	0.00000

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Regional Shopping Center	351.753	0.00000
Medical Office Building	98.5932	0.00000
Convenience Market with Gas Pumps	16.9496	0.00000
Fast Food Restaurant with Drive Thru	194.336	0.00000
Automobile Care Center	15.6620	0.00000
Unrefrigerated Warehouse-No Rail	37.6000	0.00000
Parking Lot	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430.00	0.03750	1.000000	0.00000	1.000000
Medical Office Building	Household refrigerators and/or freezers	R-134a	1,430.00	0.45455	0.60000	0.00000	1.000000
Medical Office Building	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00230	4.00000	4.00000	18.0000
Convenience Market with Gas Pumps	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000

Convenience Market with Gas Pumps	Supermarket refrigeration and condensing units	R-404A	3,922.00	26.5200	16.5000	16.5000	18.0000
Fast Food Restaurant with Drive Thru	Household refrigerators and/or freezers	R-134a	1,430.00	0.00000	0.60000	0.00000	1.000000
Fast Food Restaurant with Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088.00	1.80000	4.00000	4.00000	18.0000
Fast Food Restaurant with Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922.00	0.00040	7.50000	7.50000	20.0000
Automobile Care Center	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000

5.14.2. Mitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430.00	0.03750	1.000000	0.00000	1.000000
Medical Office Building	Household refrigerators and/or freezers	R-134a	1,430.00	0.45455	0.60000	0.00000	1.000000
Medical Office Building	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00230	4.00000	4.00000	18.0000
Convenience Market with Gas Pumps	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Convenience Market with Gas Pumps	Supermarket refrigeration and condensing units	R-404A	3,922.00	26.5200	16.5000	16.5000	18.0000
Fast Food Restaurant with Drive Thru	Household refrigerators and/or freezers	R-134a	1,430.00	0.00000	0.60000	0.00000	1.000000
Fast Food Restaurant with Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088.00	1.80000	4.00000	4.00000	18.0000

Fast Food Restaurant with Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922.00	0.00040	7.50000	7.50000	20.0000
Automobile Care Center	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	20.0600	annual days of extreme heat
Extreme Precipitation	0.00000	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00000	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	1	1	1	2
Drought	1	1	1	2

Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	93.6279
AQ-PM	99.3155
AQ-DPM	54.8102
Drinking Water	72.9986
Lead Risk Housing	7.14556
Pesticides	0.00000
Toxic Releases	39.1223
Traffic	67.1875
Effect Indicators	—
CleanUp Sites	27.4916
Groundwater	59.6048
Haz Waste Facilities/Generators	53.5142
Impaired Water Bodies	0.00000
Solid Waste	0.00000

Sensitive Population	—
Asthma	21.0867
Cardio-vascular	30.7951
Low Birth Weights	28.0729
Socioeconomic Factor Indicators	—
Education	29.6760
Housing	15.5006
Linguistic	21.4237
Poverty	22.0101
Unemployment	67.4779

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	74.07930194
Employed	65.05838573
Median HI	66.79070961
Education	—
Bachelor's or higher	57.08969588
High school enrollment	100
Preschool enrollment	17.9006801
Transportation	—
Auto Access	52.9449506
Active commuting	56.70473502
Social	—
2-parent households	19.17105094
Voting	67.22699859

Neighborhood	—
Alcohol availability	71.87219299
Park access	52.55998973
Retail density	27.37071731
Supermarket access	19.78698832
Tree canopy	9.187732581
Housing	—
Homeownership	39.93327345
Housing habitability	84.98652637
Low-inc homeowner severe housing cost burden	93.301681
Low-inc renter severe housing cost burden	84.08828436
Uncrowded housing	70.21686129
Health Outcomes	—
Insured adults	92.01847812
Arthritis	31.2
Asthma ER Admissions	73.6
High Blood Pressure	29.0
Cancer (excluding skin)	16.1
Asthma	51.9
Coronary Heart Disease	37.1
Chronic Obstructive Pulmonary Disease	50.7
Diagnosed Diabetes	80.8
Life Expectancy at Birth	53.0
Cognitively Disabled	66.4
Physically Disabled	26.6
Heart Attack ER Admissions	46.6
Mental Health Not Good	60.0
Chronic Kidney Disease	45.1

Obesity	52.4
Pedestrian Injuries	74.9
Physical Health Not Good	65.0
Stroke	45.2
Health Risk Behaviors	—
Binge Drinking	11.3
Current Smoker	53.5
No Leisure Time for Physical Activity	58.6
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	53.3
Elderly	40.9
English Speaking	76.1
Foreign-born	16.0
Outdoor Workers	46.6
Climate Change Adaptive Capacity	—
Impervious Surface Cover	59.7
Traffic Density	56.7
Traffic Access	0.0
Other Indices	—
Hardship	35.5
Other Decision Support	—
2016 Voting	53.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	30.0000

Healthy Places Index Score for Project Location (b)	57.0000
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Land Use	Based on information provided.
Operations: Vehicle Data	Based on information provided by the project traffic consultant.
Operations: Fleet Mix	Based on information provided by the traffic consultant.
Operations: Energy Use	The anticipated 1,201,933 kWh/yr of renewable electricity generated from onsite PV system is subtracted from the Title 24 electricity default total. Incorporates Reduction Measure GHG-1, which requires all-electric buildings systems for all land uses except for restaurants.
Operations: Water and Waste Water	Based on the Water Supply and Demand Analysis Coffee and Rosedale Commercial Retail Development Project study prepared by PlaceWorks. For modeling purposes, total water demand assigned to the Regional Shopping Center land use.

8.3. Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	acre	7.69061	7.39000
Landscape Area	sq. ft	—	379,446
Special Landscape Area	sq. ft	—	0.00000
Lot Area	acre	0.12964	0.01000
Building Area	sq. ft	5,647.00	428.000
Landscape Area	sq. ft	—	0.00000
Lot Area	acre	0.01800	25.1500
Landscape Area	sq. ft	—	0.00000

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

Land Use	Model Parameter	Units	Default Value	New Value
Regional Shopping Center	Weekday Trip Rate	size/day	37.7500	36.3042
Regional Shopping Center	Saturday Trip Rate	size/day	46.1200	36.1606
Regional Shopping Center	Sunday Trip Rate	size/day	21.1000	14.9537
Regional Shopping Center	Non-Res H-W Trip Length	miles	8.50253	3.93588
Regional Shopping Center	Non-Res W-O Trip Length	miles	4.80598	0.00000
Regional Shopping Center	Non-Res O-O Trip Length	miles	5.08225	0.00000
Regional Shopping Center	Weekday Primary Trip	%	37.9200	100.0000
Regional Shopping Center	Weekday Divert Trip	%	28.0800	0.00000
Regional Shopping Center	Weekday Pass-By Trip	%	34.0000	0.00000
Regional Shopping Center	Saturday Primary Trip	%	42.5100	100.0000
Regional Shopping Center	Saturday Divert Trip	%	31.4900	0.00000
Regional Shopping Center	Saturday Pass-By Trip	%	26.0000	0.00000
Regional Shopping Center	Sunday Primary Trip	%	42.5100	100.0000

Regional Shopping Center	Sunday Divert Trip	%	31.4900	0.00000
Regional Shopping Center	Sunday Pass-By Trip	%	26.0000	0.00000
Regional Shopping Center	Non-Res H-W Trip	%	31.7132	100.0000
Regional Shopping Center	Non-Res W-O Trip	%	14.8513	0.00000
Regional Shopping Center	Non-Res O-O Trip	%	53.4356	0.00000
Medical Office Building	Weekday Trip Rate	size/day	34.8000	21.9739
Medical Office Building	Saturday Trip Rate	size/day	8.57000	2.41867
Medical Office Building	Sunday Trip Rate	size/day	1.42000	0.29970
Medical Office Building	Non-Res H-W Trip Length	miles	8.50253	3.93588
Medical Office Building	Non-Res W-O Trip Length	miles	4.80598	0.00000
Medical Office Building	Non-Res O-O Trip Length	miles	5.08225	0.00000
Medical Office Building	Non-Res H-W Trip	%	31.7132	100.0000
Medical Office Building	Non-Res W-O Trip	%	14.8513	0.00000
Medical Office Building	Non-Res O-O Trip	%	53.4356	0.00000
Convenience Market with Gas Pumps	Weekday Trip Rate	size/day	322.500	231.959
Convenience Market with Gas Pumps	Saturday Trip Rate	size/day	322.500	230.912
Convenience Market with Gas Pumps	Sunday Trip Rate	size/day	322.500	230.912
Convenience Market with Gas Pumps	Non-Res H-W Trip Length	miles	8.50253	3.93588
Convenience Market with Gas Pumps	Non-Res W-O Trip Length	miles	4.80598	0.00000
Convenience Market with Gas Pumps	Non-Res O-O Trip Length	miles	5.08225	0.00000
Convenience Market with Gas Pumps	Weekday Primary Trip	%	14.2400	100.0000
Convenience Market with Gas Pumps	Weekday Divert Trip	%	21.2600	0.00000
Convenience Market with Gas Pumps	Weekday Pass-By Trip	%	64.5000	0.00000

Convenience Market with Gas Pumps	Non-Res H-W Trip	%	31.7132	100.0000
Convenience Market with Gas Pumps	Non-Res W-O Trip	%	14.8513	0.00000
Convenience Market with Gas Pumps	Non-Res O-O Trip	%	53.4356	0.00000
Fast Food Restaurant with Drive Thru	Weekday Trip Rate	size/day	470.950	291.500
Fast Food Restaurant with Drive Thru	Saturday Trip Rate	size/day	616.120	392.004
Fast Food Restaurant with Drive Thru	Sunday Trip Rate	size/day	472.580	248.567
Fast Food Restaurant with Drive Thru	Non-Res H-W Trip Length	miles	8.50253	3.93588
Fast Food Restaurant with Drive Thru	Non-Res W-O Trip Length	miles	4.80598	0.00000
Fast Food Restaurant with Drive Thru	Non-Res O-O Trip Length	miles	5.08225	0.00000
Fast Food Restaurant with Drive Thru	Weekday Primary Trip	%	26.5000	100.0000
Fast Food Restaurant with Drive Thru	Weekday Divert Trip	%	24.0000	0.00000
Fast Food Restaurant with Drive Thru	Weekday Pass-By Trip	%	49.5000	0.00000
Fast Food Restaurant with Drive Thru	Non-Res H-W Trip	%	31.7132	100.0000
Fast Food Restaurant with Drive Thru	Non-Res W-O Trip	%	14.8513	0.00000
Fast Food Restaurant with Drive Thru	Non-Res O-O Trip	%	53.4356	0.00000
Automobile Care Center	Weekday Trip Rate	size/day	23.7200	102.927
Automobile Care Center	Saturday Trip Rate	size/day	23.7200	107.868
Automobile Care Center	Sunday Trip Rate	size/day	11.8800	107.868
Automobile Care Center	Non-Res H-W Trip Length	miles	8.50253	3.93588

Automobile Care Center	Non-Res W-O Trip Length	miles	4.80598	0.00000
Automobile Care Center	Non-Res O-O Trip Length	miles	5.08225	0.00000
Automobile Care Center	Weekday Primary Trip	%	53.3000	100.0000
Automobile Care Center	Weekday Divert Trip	%	11.2000	0.00000
Automobile Care Center	Weekday Pass-By Trip	%	35.5000	0.00000
Automobile Care Center	Non-Res H-W Trip	%	31.7132	100.0000
Automobile Care Center	Non-Res W-O Trip	%	14.8513	0.00000
Automobile Care Center	Non-Res O-O Trip	%	53.4356	0.00000
Unrefrigerated Warehouse-No Rail	Weekday Trip Rate	size/day	1.74000	1.18300
Unrefrigerated Warehouse-No Rail	Saturday Trip Rate	size/day	1.74000	1.27400
Unrefrigerated Warehouse-No Rail	Sunday Trip Rate	size/day	1.74000	0.91000
Unrefrigerated Warehouse-No Rail	Non-Res H-W Trip Length	miles	8.50253	3.93588
Unrefrigerated Warehouse-No Rail	Non-Res W-O Trip Length	miles	4.80598	0.00000
Unrefrigerated Warehouse-No Rail	Non-Res O-O Trip Length	miles	5.08225	0.00000
Unrefrigerated Warehouse-No Rail	Non-Res H-W Trip	%	31.7132	100.0000
Unrefrigerated Warehouse-No Rail	Non-Res W-O Trip	%	14.8513	0.00000
Unrefrigerated Warehouse-No Rail	Non-Res O-O Trip	%	53.4356	0.00000
Parking Lot	Non-Res H-W Trip	%	31.7132	100.0000
Parking Lot	Non-Res W-O Trip	%	14.8513	0.00000
Parking Lot	Non-Res O-O Trip	%	53.4356	0.00000
Other Asphalt Surfaces	Non-Res H-W Trip	%	31.7132	100.0000
Other Asphalt Surfaces	Non-Res W-O Trip	%	14.8513	0.00000
Other Asphalt Surfaces	Non-Res O-O Trip	%	53.4356	0.00000
Other Non-Asphalt Surfaces	Non-Res H-W Trip	%	31.7132	100.0000
Other Non-Asphalt Surfaces	Non-Res W-O Trip	%	14.8513	0.00000
Other Non-Asphalt Surfaces	Non-Res O-O Trip	%	53.4356	0.00000

8.5.1.2. Fleet Mix

Land Use	Season	Model Parameter	Units	Default Value	New Value
Regional Shopping Center	A	Heavy-Heavy-Duty Trucks	%	4%	1%
Regional Shopping Center	A	Passenger Cars	%	43%	43%
Regional Shopping Center	A	Light-Duty Trucks 1	%	4%	4%
Regional Shopping Center	A	Light-Duty Trucks 2	%	22%	22%
Regional Shopping Center	A	Light Heavy-Duty Trucks 1	%	3%	5%
Regional Shopping Center	A	Light Heavy-Duty Trucks 2	%	1%	2%
Regional Shopping Center	A	Motorcycles	%	2%	2%
Regional Shopping Center	A	Medium-Duty Trucks	%	19%	19%
Regional Shopping Center	A	Motor Homes	%	< 0.5%	0%
Regional Shopping Center	A	Medium-Heavy-Duty Trucks	%	2%	3%
Regional Shopping Center	A	Other Buses	%	< 0.5%	0%
Regional Shopping Center	A	School Buses	%	< 0.5%	0%
Regional Shopping Center	A	Urban Buses	%	< 0.5%	0%
Regional Shopping Center	S	Heavy-Heavy-Duty Trucks	%	4%	1%
Regional Shopping Center	S	Passenger Cars	%	43%	43%
Regional Shopping Center	S	Light-Duty Trucks 1	%	4%	4%
Regional Shopping Center	S	Light-Duty Trucks 2	%	22%	22%
Regional Shopping Center	S	Light Heavy-Duty Trucks 1	%	3%	5%
Regional Shopping Center	S	Light Heavy-Duty Trucks 2	%	1%	2%
Regional Shopping Center	S	Motorcycles	%	2%	2%
Regional Shopping Center	S	Medium-Duty Trucks	%	19%	19%
Regional Shopping Center	S	Motor Homes	%	< 0.5%	0%
Regional Shopping Center	S	Medium-Heavy-Duty Trucks	%	2%	3%
Regional Shopping Center	S	Other Buses	%	< 0.5%	0%
Regional Shopping Center	S	School Buses	%	< 0.5%	0%
Regional Shopping Center	S	Urban Buses	%	< 0.5%	0%
Regional Shopping Center	W	Heavy-Heavy-Duty Trucks	%	4%	1%

Regional Shopping Center	W	Passenger Cars	%	43%	43%
Regional Shopping Center	W	Light-Duty Trucks 1	%	4%	4%
Regional Shopping Center	W	Light-Duty Trucks 2	%	22%	22%
Regional Shopping Center	W	Light Heavy-Duty Trucks 1	%	3%	5%
Regional Shopping Center	W	Light Heavy-Duty Trucks 2	%	1%	2%
Regional Shopping Center	W	Motorcycles	%	2%	2%
Regional Shopping Center	W	Medium-Duty Trucks	%	19%	19%
Regional Shopping Center	W	Motor Homes	%	< 0.5%	0%
Regional Shopping Center	W	Medium-Heavy-Duty Trucks	%	2%	3%
Regional Shopping Center	W	Other Buses	%	< 0.5%	0%
Regional Shopping Center	W	School Buses	%	< 0.5%	0%
Regional Shopping Center	W	Urban Buses	%	< 0.5%	0%
Medical Office Building	A	Heavy-Heavy-Duty Trucks	%	4%	1%
Medical Office Building	A	Passenger Cars	%	43%	43%
Medical Office Building	A	Light-Duty Trucks 1	%	4%	4%
Medical Office Building	A	Light-Duty Trucks 2	%	22%	22%
Medical Office Building	A	Light Heavy-Duty Trucks 1	%	3%	5%
Medical Office Building	A	Light Heavy-Duty Trucks 2	%	1%	2%
Medical Office Building	A	Motorcycles	%	2%	2%
Medical Office Building	A	Medium-Duty Trucks	%	19%	19%
Medical Office Building	A	Motor Homes	%	< 0.5%	0%
Medical Office Building	A	Medium-Heavy-Duty Trucks	%	2%	3%
Medical Office Building	A	Other Buses	%	< 0.5%	0%
Medical Office Building	A	School Buses	%	< 0.5%	0%
Medical Office Building	A	Urban Buses	%	< 0.5%	0%
Medical Office Building	S	Heavy-Heavy-Duty Trucks	%	4%	1%
Medical Office Building	S	Passenger Cars	%	43%	43%
Medical Office Building	S	Light-Duty Trucks 1	%	4%	4%

Medical Office Building	S	Light-Duty Trucks 2	%	22%	22%
Medical Office Building	S	Light Heavy-Duty Trucks 1	%	3%	5%
Medical Office Building	S	Light Heavy-Duty Trucks 2	%	1%	2%
Medical Office Building	S	Motorcycles	%	2%	2%
Medical Office Building	S	Medium-Duty Trucks	%	19%	19%
Medical Office Building	S	Motor Homes	%	< 0.5%	0%
Medical Office Building	S	Medium-Heavy-Duty Trucks	%	2%	3%
Medical Office Building	S	Other Buses	%	< 0.5%	0%
Medical Office Building	S	School Buses	%	< 0.5%	0%
Medical Office Building	S	Urban Buses	%	< 0.5%	0%
Medical Office Building	W	Heavy-Heavy-Duty Trucks	%	4%	1%
Medical Office Building	W	Passenger Cars	%	43%	43%
Medical Office Building	W	Light-Duty Trucks 1	%	4%	4%
Medical Office Building	W	Light-Duty Trucks 2	%	22%	22%
Medical Office Building	W	Light Heavy-Duty Trucks 1	%	3%	5%
Medical Office Building	W	Light Heavy-Duty Trucks 2	%	1%	2%
Medical Office Building	W	Motorcycles	%	2%	2%
Medical Office Building	W	Medium-Duty Trucks	%	19%	19%
Medical Office Building	W	Motor Homes	%	< 0.5%	0%
Medical Office Building	W	Medium-Heavy-Duty Trucks	%	2%	3%
Medical Office Building	W	Other Buses	%	< 0.5%	0%
Medical Office Building	W	School Buses	%	< 0.5%	0%
Medical Office Building	W	Urban Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	A	Heavy-Heavy-Duty Trucks	%	4%	1%
Convenience Market with Gas Pumps	A	Passenger Cars	%	43%	43%
Convenience Market with Gas Pumps	A	Light-Duty Trucks 1	%	4%	4%

Convenience Market with Gas Pumps	A	Light-Duty Trucks 2	%	22%	22%
Convenience Market with Gas Pumps	A	Light Heavy-Duty Trucks 1	%	3%	5%
Convenience Market with Gas Pumps	A	Light Heavy-Duty Trucks 2	%	1%	2%
Convenience Market with Gas Pumps	A	Motorcycles	%	2%	2%
Convenience Market with Gas Pumps	A	Medium-Duty Trucks	%	19%	19%
Convenience Market with Gas Pumps	A	Motor Homes	%	< 0.5%	0%
Convenience Market with Gas Pumps	A	Medium-Heavy-Duty Trucks	%	2%	3%
Convenience Market with Gas Pumps	A	Other Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	A	School Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	A	Urban Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	S	Heavy-Heavy-Duty Trucks	%	4%	1%
Convenience Market with Gas Pumps	S	Passenger Cars	%	43%	43%
Convenience Market with Gas Pumps	S	Light-Duty Trucks 1	%	4%	4%
Convenience Market with Gas Pumps	S	Light-Duty Trucks 2	%	22%	22%
Convenience Market with Gas Pumps	S	Light Heavy-Duty Trucks 1	%	3%	5%
Convenience Market with Gas Pumps	S	Light Heavy-Duty Trucks 2	%	1%	2%
Convenience Market with Gas Pumps	S	Motorcycles	%	2%	2%

Convenience Market with Gas Pumps	S	Medium-Duty Trucks	%	19%	19%
Convenience Market with Gas Pumps	S	Motor Homes	%	< 0.5%	0%
Convenience Market with Gas Pumps	S	Medium-Heavy-Duty Trucks	%	2%	3%
Convenience Market with Gas Pumps	S	Other Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	S	School Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	S	Urban Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	W	Heavy-Heavy-Duty Trucks	%	4%	1%
Convenience Market with Gas Pumps	W	Passenger Cars	%	43%	43%
Convenience Market with Gas Pumps	W	Light-Duty Trucks 1	%	4%	4%
Convenience Market with Gas Pumps	W	Light-Duty Trucks 2	%	22%	22%
Convenience Market with Gas Pumps	W	Light Heavy-Duty Trucks 1	%	3%	5%
Convenience Market with Gas Pumps	W	Light Heavy-Duty Trucks 2	%	1%	2%
Convenience Market with Gas Pumps	W	Motorcycles	%	2%	2%
Convenience Market with Gas Pumps	W	Medium-Duty Trucks	%	19%	19%
Convenience Market with Gas Pumps	W	Motor Homes	%	< 0.5%	0%
Convenience Market with Gas Pumps	W	Medium-Heavy-Duty Trucks	%	2%	3%
Convenience Market with Gas Pumps	W	Other Buses	%	< 0.5%	0%

Convenience Market with Gas Pumps	W	School Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	W	Urban Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	A	Heavy-Heavy-Duty Trucks	%	4%	1%
Fast Food Restaurant with Drive Thru	A	Passenger Cars	%	43%	43%
Fast Food Restaurant with Drive Thru	A	Light-Duty Trucks 1	%	4%	4%
Fast Food Restaurant with Drive Thru	A	Light-Duty Trucks 2	%	22%	22%
Fast Food Restaurant with Drive Thru	A	Light Heavy-Duty Trucks 1	%	3%	5%
Fast Food Restaurant with Drive Thru	A	Light Heavy-Duty Trucks 2	%	1%	2%
Fast Food Restaurant with Drive Thru	A	Motorcycles	%	2%	2%
Fast Food Restaurant with Drive Thru	A	Medium-Duty Trucks	%	19%	19%
Fast Food Restaurant with Drive Thru	A	Motor Homes	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	A	Medium-Heavy-Duty Trucks	%	2%	3%
Fast Food Restaurant with Drive Thru	A	Other Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	A	School Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	A	Urban Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	S	Heavy-Heavy-Duty Trucks	%	4%	1%
Fast Food Restaurant with Drive Thru	S	Passenger Cars	%	43%	43%

Fast Food Restaurant with Drive Thru	S	Light-Duty Trucks 1	%	4%	4%
Fast Food Restaurant with Drive Thru	S	Light-Duty Trucks 2	%	22%	22%
Fast Food Restaurant with Drive Thru	S	Light Heavy-Duty Trucks 1	%	3%	5%
Fast Food Restaurant with Drive Thru	S	Light Heavy-Duty Trucks 2	%	1%	2%
Fast Food Restaurant with Drive Thru	S	Motorcycles	%	2%	2%
Fast Food Restaurant with Drive Thru	S	Medium-Duty Trucks	%	19%	19%
Fast Food Restaurant with Drive Thru	S	Motor Homes	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	S	Medium-Heavy-Duty Trucks	%	2%	3%
Fast Food Restaurant with Drive Thru	S	Other Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	S	School Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	S	Urban Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	W	Heavy-Heavy-Duty Trucks	%	4%	1%
Fast Food Restaurant with Drive Thru	W	Passenger Cars	%	43%	43%
Fast Food Restaurant with Drive Thru	W	Light-Duty Trucks 1	%	4%	4%
Fast Food Restaurant with Drive Thru	W	Light-Duty Trucks 2	%	22%	22%
Fast Food Restaurant with Drive Thru	W	Light Heavy-Duty Trucks 1	%	3%	5%
Fast Food Restaurant with Drive Thru	W	Light Heavy-Duty Trucks 2	%	1%	2%

Fast Food Restaurant with Drive Thru	W	Motorcycles	%	2%	2%
Fast Food Restaurant with Drive Thru	W	Medium-Duty Trucks	%	19%	19%
Fast Food Restaurant with Drive Thru	W	Motor Homes	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	W	Medium-Heavy-Duty Trucks	%	2%	3%
Fast Food Restaurant with Drive Thru	W	Other Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	W	School Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	W	Urban Buses	%	< 0.5%	0%
Automobile Care Center	A	Heavy-Heavy-Duty Trucks	%	4%	1%
Automobile Care Center	A	Passenger Cars	%	43%	43%
Automobile Care Center	A	Light-Duty Trucks 1	%	4%	4%
Automobile Care Center	A	Light-Duty Trucks 2	%	22%	22%
Automobile Care Center	A	Light Heavy-Duty Trucks 1	%	3%	5%
Automobile Care Center	A	Light Heavy-Duty Trucks 2	%	1%	2%
Automobile Care Center	A	Motorcycles	%	2%	2%
Automobile Care Center	A	Medium-Duty Trucks	%	19%	19%
Automobile Care Center	A	Motor Homes	%	< 0.5%	0%
Automobile Care Center	A	Medium-Heavy-Duty Trucks	%	2%	3%
Automobile Care Center	A	Other Buses	%	< 0.5%	0%
Automobile Care Center	A	School Buses	%	< 0.5%	0%
Automobile Care Center	A	Urban Buses	%	< 0.5%	0%
Automobile Care Center	S	Heavy-Heavy-Duty Trucks	%	4%	1%
Automobile Care Center	S	Passenger Cars	%	43%	43%
Automobile Care Center	S	Light-Duty Trucks 1	%	4%	4%
Automobile Care Center	S	Light-Duty Trucks 2	%	22%	22%

Automobile Care Center	S	Light Heavy-Duty Trucks 1	%	3%	5%
Automobile Care Center	S	Light Heavy-Duty Trucks 2	%	1%	2%
Automobile Care Center	S	Motorcycles	%	2%	2%
Automobile Care Center	S	Medium-Duty Trucks	%	19%	19%
Automobile Care Center	S	Motor Homes	%	< 0.5%	0%
Automobile Care Center	S	Medium-Heavy-Duty Trucks	%	2%	3%
Automobile Care Center	S	Other Buses	%	< 0.5%	0%
Automobile Care Center	S	School Buses	%	< 0.5%	0%
Automobile Care Center	S	Urban Buses	%	< 0.5%	0%
Automobile Care Center	W	Heavy-Heavy-Duty Trucks	%	4%	1%
Automobile Care Center	W	Passenger Cars	%	43%	43%
Automobile Care Center	W	Light-Duty Trucks 1	%	4%	4%
Automobile Care Center	W	Light-Duty Trucks 2	%	22%	22%
Automobile Care Center	W	Light Heavy-Duty Trucks 1	%	3%	5%
Automobile Care Center	W	Light Heavy-Duty Trucks 2	%	1%	2%
Automobile Care Center	W	Motorcycles	%	2%	2%
Automobile Care Center	W	Medium-Duty Trucks	%	19%	19%
Automobile Care Center	W	Motor Homes	%	< 0.5%	0%
Automobile Care Center	W	Medium-Heavy-Duty Trucks	%	2%	3%
Automobile Care Center	W	Other Buses	%	< 0.5%	0%
Automobile Care Center	W	School Buses	%	< 0.5%	0%
Automobile Care Center	W	Urban Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	A	Heavy-Heavy-Duty Trucks	%	4%	1%
Unrefrigerated Warehouse-No Rail	A	Passenger Cars	%	43%	43%
Unrefrigerated Warehouse-No Rail	A	Light-Duty Trucks 1	%	4%	4%
Unrefrigerated Warehouse-No Rail	A	Light-Duty Trucks 2	%	22%	22%

Unrefrigerated Warehouse-No Rail	A	Light Heavy-Duty Trucks 1	%	3%	5%
Unrefrigerated Warehouse-No Rail	A	Light Heavy-Duty Trucks 2	%	1%	2%
Unrefrigerated Warehouse-No Rail	A	Motorcycles	%	2%	2%
Unrefrigerated Warehouse-No Rail	A	Medium-Duty Trucks	%	19%	19%
Unrefrigerated Warehouse-No Rail	A	Motor Homes	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	A	Medium-Heavy-Duty Trucks	%	2%	3%
Unrefrigerated Warehouse-No Rail	A	Other Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	A	School Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	A	Urban Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	S	Heavy-Heavy-Duty Trucks	%	4%	1%
Unrefrigerated Warehouse-No Rail	S	Passenger Cars	%	43%	43%
Unrefrigerated Warehouse-No Rail	S	Light-Duty Trucks 1	%	4%	4%
Unrefrigerated Warehouse-No Rail	S	Light-Duty Trucks 2	%	22%	22%
Unrefrigerated Warehouse-No Rail	S	Light Heavy-Duty Trucks 1	%	3%	5%
Unrefrigerated Warehouse-No Rail	S	Light Heavy-Duty Trucks 2	%	1%	2%
Unrefrigerated Warehouse-No Rail	S	Motorcycles	%	2%	2%
Unrefrigerated Warehouse-No Rail	S	Medium-Duty Trucks	%	19%	19%

Unrefrigerated Warehouse-No Rail	S	Motor Homes	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	S	Medium-Heavy-Duty Trucks	%	2%	3%
Unrefrigerated Warehouse-No Rail	S	Other Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	S	School Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	S	Urban Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	W	Heavy-Heavy-Duty Trucks	%	4%	1%
Unrefrigerated Warehouse-No Rail	W	Passenger Cars	%	43%	43%
Unrefrigerated Warehouse-No Rail	W	Light-Duty Trucks 1	%	4%	4%
Unrefrigerated Warehouse-No Rail	W	Light-Duty Trucks 2	%	22%	22%
Unrefrigerated Warehouse-No Rail	W	Light Heavy-Duty Trucks 1	%	3%	5%
Unrefrigerated Warehouse-No Rail	W	Light Heavy-Duty Trucks 2	%	1%	2%
Unrefrigerated Warehouse-No Rail	W	Motorcycles	%	2%	2%
Unrefrigerated Warehouse-No Rail	W	Medium-Duty Trucks	%	19%	19%
Unrefrigerated Warehouse-No Rail	W	Motor Homes	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	W	Medium-Heavy-Duty Trucks	%	2%	3%
Unrefrigerated Warehouse-No Rail	W	Other Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	W	School Buses	%	< 0.5%	0%

Unrefrigerated Warehouse-No Rail	W	Urban Buses	%	< 0.5%	0%

8.5.3. Energy Usage

Land Use	Model Parameter	Units	Default Value	New Value
Regional Shopping Center	Electricity	kWh/yr	3,537,659	3,205,924
Regional Shopping Center	Electricity (Subject to Title 24)	kWh/yr	2,732,418	2,390,862
Regional Shopping Center	Electricity (Not Subject to Title 24)	kWh/yr	805,241	815,062
Regional Shopping Center	Natural Gas	kBTU/yr	3,280,464	311,348
Regional Shopping Center	Natural Gas (Subject to Title 24)	kBTU/yr	3,243,441	307,834
Regional Shopping Center	Natural Gas (Not Subject to Title 24)	kBTU/yr	37,023.1	3,513.85
Medical Office Building	Electricity	kWh/yr	214,042	320,901
Medical Office Building	Electricity (Subject to Title 24)	kWh/yr	148,179	241,869
Medical Office Building	Electricity (Not Subject to Title 24)	kWh/yr	65,863.0	79,032.2
Medical Office Building	Natural Gas	kBTU/yr	364,604	0.00000
Medical Office Building	Natural Gas (Subject to Title 24)	kBTU/yr	319,671	0.00000
Medical Office Building	Natural Gas (Not Subject to Title 24)	kBTU/yr	44,933.1	0.00000
Convenience Market with Gas Pumps	Electricity	kWh/yr	25,106.0	29,290.6
Convenience Market with Gas Pumps	Electricity (Subject to Title 24)	kWh/yr	11,606.9	14,453.7
Convenience Market with Gas Pumps	Electricity (Not Subject to Title 24)	kWh/yr	13,499.1	14,836.9
Convenience Market with Gas Pumps	Natural Gas	kBTU/yr	14,277.8	0.00000
Convenience Market with Gas Pumps	Natural Gas (Subject to Title 24)	kBTU/yr	9,713.10	0.00000
Convenience Market with Gas Pumps	Natural Gas (Not Subject to Title 24)	kBTU/yr	4,564.75	0.00000
Automobile Care Center	Electricity	kWh/yr	48,642.9	97,877.0
Automobile Care Center	Electricity (Subject to Title 24)	kWh/yr	24,182.7	44,007.3

Automobile Care Center	Electricity (Not Subject to Title 24)	kWh/yr	24,460.3	53,869.7
Automobile Care Center	Natural Gas	kBTU/yr	167,987	0.00000
Automobile Care Center	Natural Gas (Subject to Title 24)	kBTU/yr	67,641.4	0.00000
Automobile Care Center	Natural Gas (Not Subject to Title 24)	kBTU/yr	100,345	0.00000
Unrefrigerated Warehouse-No Rail	Electricity	kWh/yr	429,593	492,127
Unrefrigerated Warehouse-No Rail	Electricity (Subject to Title 24)	kWh/yr	158,782	211,423
Unrefrigerated Warehouse-No Rail	Electricity (Not Subject to Title 24)	kWh/yr	270,811	280,704
Unrefrigerated Warehouse-No Rail	Natural Gas	kBTU/yr	213,366	0.00000
Unrefrigerated Warehouse-No Rail	Natural Gas (Subject to Title 24)	kBTU/yr	179,609	0.00000
Unrefrigerated Warehouse-No Rail	Natural Gas (Not Subject to Title 24)	kBTU/yr	33,756.8	0.00000

8.5.4. Water and Waste Water

Land Use	Model Parameter	Units	Default Value	New Value
Regional Shopping Center	Indoor Water	gal/year	24,814,517	54,357,625
Regional Shopping Center	Outdoor Water	gal/year	6,188,637	0.00000
Medical Office Building	Indoor Water	gal/year	1,145,512	0.00000
Convenience Market with Gas Pumps	Indoor Water	gal/year	418,287	0.00000
Fast Food Restaurant with Drive Thru	Indoor Water	gal/year	5,120,917	0.00000
Automobile Care Center	Indoor Water	gal/year	385,733	0.00000
Unrefrigerated Warehouse-No Rail	Indoor Water	gal/year	9,250,000	0.00000

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5.10.3. Landscape Equipment

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

8.1. Justifications

8.2. Project Characteristics

8.2.1. Project Details

8.3. Land Use

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

8.5.1.2. Fleet Mix

8.5.3. Energy Usage

8.5.4. Water and Waste Water

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	LOKH-01_Operation Phase 1
Operational Year	2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	1.000000
Precipitation (days)	—
Location	35.382244024302594, -119.09464262587437
County	Kern-San Joaquin
City	Bakersfield
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2817
EDFZ	5
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Southern California Gas
App Version	2022.1.1.41

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Regional Shopping Center	245.051	1000sqft	5.63000	245,051	328,275	0.00000	—	—

Medical Office Building	9.12900	1000sqft	0.20957	9,129.00	0.00000	—	—	—
Convenience Market with Gas Pumps	40.0000	Pump	0.01000	428.000	0.00000	—	—	—
Fast Food Restaurant with Drive Thru	16.8710	1000sqft	0.38730	16,871.0	0.00000	—	—	—
Automobile Care Center	4.10000	1000sqft	0.09412	4,100.00	0.00000	—	—	—
Unrefrigerated Warehouse-No Rail	40.0000	1000sqft	0.91827	40,000.0	0.00000	—	—	—
Parking Lot	1.000000	Space	20.2000	0.00000	0.00000	—	—	—
Other Asphalt Surfaces	281.691	1000sqft	6.46674	0.00000	0.00000	—	—	—
Other Non-Asphalt Surfaces	3.03600	Acre	3.03600	0.00000	0.00000	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.3. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	91.6012	87.5289	55.0986	446.402	0.92674	0.91732	71.2789	72.1963	0.86500	18.1188	18.9838	417.761	97,561.7	97,979.5	47.1852	5.49809	443.247	101,241
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	81.2532	76.9141	62.3338	402.981	0.85036	0.89411	71.2789	72.1731	0.84771	18.1188	18.9665	417.761	89,863.2	90,281.0	48.2406	5.87287	124.995	93,362.1
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	75.7393	71.9491	53.3218	358.069	0.79039	0.83162	64.5819	65.4136	0.78666	16.4164	17.2031	417.761	83,713.0	84,130.8	47.1873	5.14819	244.345	87,089.0
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	13.8224	13.1307	9.73122	65.3476	0.14425	0.15177	11.7862	11.9380	0.14357	2.99600	3.13956	69.1650	13,859.6	13,928.8	7.81240	0.85234	40.4541	14,418.6

2.4. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	81.6496	77.8435	53.5677	431.488	0.91743	0.78536	71.2789	72.0643	0.73901	18.1188	18.8578	—	93,544.3	93,544.3	4.69596	5.24673	326.724	95,552.0
Area	9.79595	9.60758	0.11551	13.7243	0.00082	0.02439	—	0.02439	0.01843	—	0.01843	—	56.4402	56.4402	0.00237	0.00048	—	56.6437
Energy	0.15569	0.07784	1.41534	1.18888	0.00849	0.10757	—	0.10757	0.10757	—	0.10757	—	3,865.18	3,865.18	0.50155	0.04586	—	3,891.39
Water	—	—	—	—	—	—	—	—	—	—	—	83.3793	95.7870	179.166	8.56508	0.20501	—	454.387
Waste	—	—	—	—	—	—	—	—	—	—	—	334.381	0.00000	334.381	33.4202	0.00000	—	1,169.89
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.522	116.522
Total	91.6012	87.5289	55.0986	446.402	0.92674	0.91732	71.2789	72.1963	0.86500	18.1188	18.9838	417.761	97,561.7	97,979.5	47.1852	5.49809	443.247	101,241
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	73.7429	69.4817	60.9185	401.792	0.84187	0.78655	71.2789	72.0655	0.74014	18.1188	18.8589	—	85,902.2	85,902.2	5.75370	5.62200	8.47239	87,729.9
Area	7.35462	7.35462	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.15569	0.07784	1.41534	1.18888	0.00849	0.10757	—	0.10757	0.10757	—	0.10757	—	3,865.18	3,865.18	0.50155	0.04586	—	3,891.39
Water	—	—	—	—	—	—	—	—	—	—	—	83.3793	95.7870	179.166	8.56508	0.20501	—	454.387
Waste	—	—	—	—	—	—	—	—	—	—	—	334.381	0.00000	334.381	33.4202	0.00000	—	1,169.89
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.522	116.522

Total	81.2532	76.9141	62.3338	402.981	0.85036	0.89411	71.2789	72.1731	0.84771	18.1188	18.9665	417.761	89,863.2	90,281.0	48.2406	5.87287	124.995	93,362.1
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	67.0250	63.4056	51.8495	350.112	0.78149	0.71202	64.5819	65.2940	0.67001	16.4164	17.0864	—	79,724.2	79,724.2	4.69929	4.89708	127.823	81,428.9
Area	8.55856	8.46567	0.05697	6.76816	0.00040	0.01203	—	0.01203	0.00909	—	0.00909	—	27.8335	27.8335	0.00117	0.00024	—	27.9339
Energy	0.15569	0.07784	1.41534	1.18888	0.00849	0.10757	—	0.10757	0.10757	—	0.10757	—	3,865.18	3,865.18	0.50155	0.04586	—	3,891.39
Water	—	—	—	—	—	—	—	—	—	—	—	83.3793	95.7870	179.166	8.56508	0.20501	—	454.387
Waste	—	—	—	—	—	—	—	—	—	—	—	334.381	0.00000	334.381	33.4202	0.00000	—	1,169.89
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.522	116.522
Total	75.7393	71.9491	53.3218	358.069	0.79039	0.83162	64.5819	65.4136	0.78666	16.4164	17.2031	417.761	83,713.0	84,130.8	47.1873	5.14819	244.345	87,089.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	12.2321	11.5715	9.46253	63.8954	0.14262	0.12994	11.7862	11.9161	0.12228	2.99600	3.11827	—	13,199.3	13,199.3	0.77802	0.81077	21.1625	13,481.5
Area	1.56194	1.54498	0.01040	1.23519	0.00007	0.00220	—	0.00220	0.00166	—	0.00166	—	4.60816	4.60816	0.00019	0.00004	—	4.62478
Energy	0.02841	0.01421	0.25830	0.21697	0.00155	0.01963	—	0.01963	0.01963	—	0.01963	—	639.925	639.925	0.08304	0.00759	—	644.264
Water	—	—	—	—	—	—	—	—	—	—	—	13.8044	15.8586	29.6630	1.41805	0.03394	—	75.2290
Waste	—	—	—	—	—	—	—	—	—	—	—	55.3606	0.00000	55.3606	5.53310	0.00000	—	193.688
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.2916	19.2916
Total	13.8224	13.1307	9.73122	65.3476	0.14425	0.15177	11.7862	11.9380	0.14357	2.99600	3.13956	69.1650	13,859.6	13,928.8	7.81240	0.85234	40.4541	14,418.6

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Regiona Shopping Center	28.5008	27.1722	18.6985	150.616	0.32024	0.27414	24.8808	25.1549	0.25796	6.32458	6.58254	—	32,652.8	32,652.8	1.63919	1.83144	114.047	33,353.6
Medical Office Building	0.64282	0.61286	0.42174	3.39708	0.00722	0.00618	0.56117	0.56736	0.00582	0.14265	0.14847	—	736.469	736.469	0.03697	0.04131	2.57228	752.275
Convenience Market with Gas Pumps	29.7325	28.3465	19.5065	157.125	0.33408	0.28599	25.9560	26.2420	0.26911	6.59790	6.86701	—	34,063.9	34,063.9	1.71002	1.91058	118.976	34,795.0
Fast Food Restaurant with Drive Thru	21.1929	20.2050	13.9040	111.997	0.23813	0.20385	18.5011	18.7050	0.19182	4.70290	4.89472	—	24,280.3	24,280.3	1.21888	1.36184	84.8045	24,801.4
Automobile Care Center	1.41722	1.35116	0.92979	7.48950	0.01592	0.01363	1.23721	1.25085	0.01283	0.31449	0.32732	—	1,623.68	1,623.68	0.08151	0.09107	5.67107	1,658.53
Unrefrigerated Warehouse-No Rail	0.16330	0.15569	0.10714	0.86299	0.00183	0.00157	0.14256	0.14413	0.00148	0.03624	0.03772	—	187.091	187.091	0.00939	0.01049	0.65346	191.106
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	81.6496	77.8435	53.5677	431.488	0.91743	0.78536	71.2789	72.0643	0.73901	18.1188	18.8578	—	93,544.3	93,544.3	4.69596	5.24673	326.724	95,552.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Regiona Shopping Center	25.7409	24.2534	21.2644	140.250	0.29387	0.27455	24.8808	25.1554	0.25836	6.32458	6.58294	—	29,985.2	29,985.2	2.00840	1.96243	2.95739	30,623.2
Medical Office Building	0.58057	0.54703	0.47961	3.16328	0.00663	0.00619	0.56117	0.56737	0.00583	0.14265	0.14848	—	676.303	676.303	0.04530	0.04426	0.06670	690.692
Convenience Market with Gas Pumps	26.8533	25.3016	22.1833	146.311	0.30657	0.28642	25.9560	26.2425	0.26952	6.59790	6.86742	—	31,281.1	31,281.1	2.09519	2.04724	3.08520	31,946.6
Fast Food Restaurant with Drive Thru	19.1407	18.0346	15.8120	104.289	0.21852	0.20416	18.5011	18.7053	0.19211	4.70290	4.89502	—	22,296.8	22,296.8	1.49343	1.45924	2.19909	22,771.2
Automobile Care Center	1.27998	1.20602	1.05738	6.97405	0.01461	0.01365	1.23721	1.25087	0.01285	0.31449	0.32734	—	1,491.04	1,491.04	0.09987	0.09758	0.14706	1,522.76
Unrefrigerated Warehouse-No Rail	0.14749	0.13897	0.12184	0.80359	0.00168	0.00157	0.14256	0.14413	0.00148	0.03624	0.03772	—	171.807	171.807	0.01151	0.01124	0.01695	175.462
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	73.7429	69.4817	60.9185	401.792	0.84187	0.78655	71.2789	72.0655	0.74014	18.1188	18.8589	—	85,902.2	85,902.2	5.75370	5.62200	8.47239	87,729.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Regional Shopping Center	4.31396	4.08100	3.33721	22.5344	0.05030	0.04583	4.15671	4.20254	0.04312	1.05662	1.09974	—	4,655.06	4,655.06	0.27439	0.28594	7.46350	4,754.59
Medical Office Building	0.07780	0.07360	0.06018	0.40639	0.00091	0.00083	0.07496	0.07579	0.00078	0.01906	0.01983	—	83.9504	83.9504	0.00495	0.00516	0.13460	85.7454
Convenience Market with Gas Pumps	4.90984	4.64470	3.79817	25.6470	0.05725	0.05216	4.73087	4.78303	0.04908	1.20257	1.25165	—	5,298.06	5,298.06	0.31229	0.32543	8.49442	5,411.34
Fast Food Restaurant with Drive Thru	2.67929	2.53460	2.07265	13.9955	0.03124	0.02846	2.58163	2.61009	0.02678	0.65624	0.68302	—	2,891.14	2,891.14	0.17042	0.17759	4.63539	2,952.96
Automobile Care Center	0.22667	0.21443	0.17534	1.18401	0.00264	0.00241	0.21840	0.22081	0.00227	0.05552	0.05778	—	244.588	244.588	0.01442	0.01502	0.39215	249.817
Unrefrigerated Warehouse-No Rail	0.02452	0.02320	0.01897	0.12809	0.00029	0.00026	0.02363	0.02389	0.00025	0.00601	0.00625	—	26.4606	26.4606	0.00156	0.00163	0.04242	27.0263
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	12.2321	11.5715	9.46253	63.8954	0.14262	0.12994	11.7862	11.9161	0.12228	2.99600	3.11827	—	13,199.3	13,199.3	0.77802	0.81077	21.1625	13,481.5

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	923.473	923.473	0.14940	0.01811	—	932.604
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	119.619	119.619	0.01935	0.00235	—	120.802
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	14.0307	14.0307	0.00227	0.00028	—	14.1694
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	421.294	421.294	0.06816	0.00826	—	425.460
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	27.1845	27.1845	0.00440	0.00053	—	27.4533
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	240.081	240.081	0.03884	0.00471	—	242.455
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	430.769	430.769	0.06969	0.00845	—	435.028

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,176.45	2,176.45	0.35210	0.04268	—	2,197.97
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	923.473	923.473	0.14940	0.01811	—	932.604
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	119.619	119.619	0.01935	0.00235	—	120.802
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	14.0307	14.0307	0.00227	0.00028	—	14.1694
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	421.294	421.294	0.06816	0.00826	—	425.460
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	27.1845	27.1845	0.00440	0.00053	—	27.4533
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	240.081	240.081	0.03884	0.00471	—	242.455

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	430.769	430.769	0.06969	0.00845	—	435.028
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,176.45	2,176.45	0.35210	0.04268	—	2,197.97
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	152.891	152.891	0.02473	0.00300	—	154.403
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	19.8043	19.8043	0.00320	0.00039	—	20.0001
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	2.32294	2.32294	0.00038	0.00005	—	2.34591
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	69.7501	69.7501	0.01128	0.00137	—	70.4397
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	4.50070	4.50070	0.00073	0.00009	—	4.54520
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	39.7482	39.7482	0.00643	0.00078	—	40.1412

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	71.3187	71.3187	0.01154	0.00140	—	72.0239
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	360.336	360.336	0.05829	0.00707	—	363.899

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.07090	0.03545	0.64454	0.54141	0.00387	0.04899	—	0.04899	0.04899	—	0.04899	—	769.044	769.044	0.06806	0.00145	—	771.177
Medical Office Building	0.01077	0.00539	0.09793	0.08226	0.00059	0.00744	—	0.00744	0.00744	—	0.00744	—	116.850	116.850	0.01034	0.00022	—	117.174
Convenience Market with Gas Pumps	0.00042	0.00021	0.00384	0.00322	0.00002	0.00029	—	0.00029	0.00029	—	0.00029	—	4.57584	4.57584	0.00040	0.00001	—	4.58853
Fast Food Restaurant with Drive Thru	0.06233	0.03116	0.56660	0.47594	0.00340	0.04306	—	0.04306	0.04306	—	0.04306	—	676.046	676.046	0.05983	0.00127	—	677.921

Automobile	0.00496	0.00248	0.04512	0.03790	0.00027	0.00343	—	0.00343	0.00343	—	0.00343	—	53.8372	53.8372	0.00476	0.00010	—	53.9865
Unrefrigerated Warehouse-No Rail	0.00630	0.00315	0.05731	0.04814	0.00034	0.00436	—	0.00436	0.00436	—	0.00436	—	68.3807	68.3807	0.00605	0.00013	—	68.5703
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.15569	0.07784	1.41534	1.18888	0.00849	0.10757	—	0.10757	0.10757	—	0.10757	—	1,688.73	1,688.73	0.14945	0.00318	—	1,693.42
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.07090	0.03545	0.64454	0.54141	0.00387	0.04899	—	0.04899	0.04899	—	0.04899	—	769.044	769.044	0.06806	0.00145	—	771.177
Medical Office Building	0.01077	0.00539	0.09793	0.08226	0.00059	0.00744	—	0.00744	0.00744	—	0.00744	—	116.850	116.850	0.01034	0.00022	—	117.174
Convenience Market with Gas Pumps	0.00042	0.00021	0.00384	0.00322	0.00002	0.00029	—	0.00029	0.00029	—	0.00029	—	4.57584	4.57584	0.00040	0.00001	—	4.58853
Fast Food Restaurant with Drive Thru	0.06233	0.03116	0.56660	0.47594	0.00340	0.04306	—	0.04306	0.04306	—	0.04306	—	676.046	676.046	0.05983	0.00127	—	677.921

Automo Care Center	0.00496	0.00248	0.04512	0.03790	0.00027	0.00343	—	0.00343	0.00343	—	0.00343	—	53.8372	53.8372	0.00476	0.00010	—	53.9865
Unrefrigerated Warehouse-No Rail	0.00630	0.00315	0.05731	0.04814	0.00034	0.00436	—	0.00436	0.00436	—	0.00436	—	68.3807	68.3807	0.00605	0.00013	—	68.5703
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.15569	0.07784	1.41534	1.18888	0.00849	0.10757	—	0.10757	0.10757	—	0.10757	—	1,688.73	1,688.73	0.14945	0.00318	—	1,693.42
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.01294	0.00647	0.11763	0.09881	0.00071	0.00894	—	0.00894	0.00894	—	0.00894	—	127.324	127.324	0.01127	0.00024	—	127.677
Medical Office Building	0.00197	0.00098	0.01787	0.01501	0.00011	0.00136	—	0.00136	0.00136	—	0.00136	—	19.3459	19.3459	0.00171	0.00004	—	19.3995
Convenience Market with Gas Pumps	0.00008	0.00004	0.00070	0.00059	< 0.000005	0.00005	—	0.00005	0.00005	—	0.00005	—	0.75758	0.75758	0.00007	< 0.000005	—	0.75968
Fast Food Restaurant with Drive Thru	0.01137	0.00569	0.10340	0.08686	0.00062	0.00786	—	0.00786	0.00786	—	0.00786	—	111.927	111.927	0.00991	0.00021	—	112.238

Automobile	0.00091	0.00045	0.00823	0.00692	0.00005	0.00063	—	0.00063	0.00063	—	0.00063	—	8.91336	8.91336	0.00079	0.00002	—	8.93809
Unrefrigerated Warehouse-No Rail	0.00115	0.00058	0.01046	0.00879	0.00006	0.00079	—	0.00079	0.00079	—	0.00079	—	11.3212	11.3212	0.00100	0.00002	—	11.3526
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.02841	0.01421	0.25830	0.21697	0.00155	0.01963	—	0.01963	0.01963	—	0.01963	—	279.589	279.589	0.02474	0.00053	—	280.365

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	6.85515	6.85515	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.49947	0.49947	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape Equipment	2.44133	2.25297	0.11551	13.7243	0.00082	0.02439	—	0.02439	0.01843	—	0.01843	—	56.4402	56.4402	0.00237	0.00048	—	56.6437
Total	9.79595	9.60758	0.11551	13.7243	0.00082	0.02439	—	0.02439	0.01843	—	0.01843	—	56.4402	56.4402	0.00237	0.00048	—	56.6437
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	6.85515	6.85515	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.49947	0.49947	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	7.35462	7.35462	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.25106	1.25106	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.09115	0.09115	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.21972	0.20277	0.01040	1.23519	0.00007	0.00220	—	0.00220	0.00166	—	0.00166	—	4.60816	4.60816	0.00019	0.00004	—	4.62478
Total	1.56194	1.54498	0.01040	1.23519	0.00007	0.00220	—	0.00220	0.00166	—	0.00166	—	4.60816	4.60816	0.00019	0.00004	—	4.62478

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	83.3793	95.7870	179.166	8.56508	0.20501	—	454.387
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	83.3793	95.7870	179.166	8.56508	0.20501	—	454.387
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	83.3793	95.7870	179.166	8.56508	0.20501	—	454.387
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	83.3793	95.7870	179.166	8.56508	0.20501	—	454.387
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	13.8044	15.8586	29.6630	1.41805	0.03394	—	75.2290
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	13.8044	15.8586	29.6630	1.41805	0.03394	—	75.2290

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	138.671	0.00000	138.671	13.8597	0.00000	—	485.162
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	53.1357	0.00000	53.1357	5.31072	0.00000	—	185.904
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	9.13479	0.00000	9.13479	0.91299	0.00000	—	31.9595
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	104.735	0.00000	104.735	10.4679	0.00000	—	366.432

Automobile	—	—	—	—	—	—	—	—	—	—	—	8.44086	0.00000	8.44086	0.84363	0.00000	—	29.5317
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	20.2641	0.00000	20.2641	2.02532	0.00000	—	70.8972
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	334.381	0.00000	334.381	33.4202	0.00000	—	1,169.89
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	138.671	0.00000	138.671	13.8597	0.00000	—	485.162
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	53.1357	0.00000	53.1357	5.31072	0.00000	—	185.904
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	9.13479	0.00000	9.13479	0.91299	0.00000	—	31.9595
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	104.735	0.00000	104.735	10.4679	0.00000	—	366.432

Automo Care Center	—	—	—	—	—	—	—	—	—	—	—	8.44086	0.00000	8.44086	0.84363	0.00000	—	29.5317
Unrefrig erated Wareho use-No Rail	—	—	—	—	—	—	—	—	—	—	—	20.2641	0.00000	20.2641	2.02532	0.00000	—	70.8972
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	334.381	0.00000	334.381	33.4202	0.00000	—	1,169.89
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regiona l Shoppin g Center	—	—	—	—	—	—	—	—	—	—	—	22.9585	0.00000	22.9585	2.29462	0.00000	—	80.3241
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	8.79722	0.00000	8.79722	0.87925	0.00000	—	30.7785
Conveni ence Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	1.51237	0.00000	1.51237	0.15116	0.00000	—	5.29126
Fast Food Restaura nt with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	17.3401	0.00000	17.3401	1.73308	0.00000	—	60.6671

Automobile	—	—	—	—	—	—	—	—	—	—	—	1.39748	0.00000	1.39748	0.13967	0.00000	—	4.88931
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	3.35495	0.00000	3.35495	0.33532	0.00000	—	11.7378
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	55.3606	0.00000	55.3606	5.53310	0.00000	—	193.688

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.17640	1.17640
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23326	0.23326

Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	88.7327	88.7327
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	26.3737	26.3737
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00640	0.00640
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.522	116.522
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.17640	1.17640
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23326	0.23326
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	88.7327	88.7327
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	26.3737	26.3737

Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00640	0.00640
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.522	116.522
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19477	0.19477
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03862	0.03862
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14.6907	14.6907
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.36646	4.36646
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00106	0.00106
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.2916	19.2916

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Regional Shopping Center	8,894.00	8,858.85	3,663.66	2,971,752	35,005.7	34,867.3	14,419.7	11,696,450
Medical Office Building	200.600	22.0800	2.73600	53,593.3	789.537	86.9042	10.7686	210,936
Convenience Market with Gas Pumps	9,278.36	9,236.50	9,236.50	3,382,236	36,518.5	36,353.7	36,353.7	13,312,064
Fast Food Restaurant with Drive Thru	4,917.90	6,613.50	4,193.58	1,845,679	19,356.2	26,029.9	16,505.4	7,264,364
Automobile Care Center	422.000	442.260	442.260	156,143	1,660.94	1,740.68	1,740.68	614,559
Unrefrigerated Warehouse-No Rail	47.3200	50.9600	36.4000	16,892.2	186.246	200.572	143.266	66,485.6
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Regional Shopping Center	Wood Fireplaces	0	0
Regional Shopping Center	Gas Fireplaces	0	0
Regional Shopping Center	Propane Fireplaces	0	0
Regional Shopping Center	Electric Fireplaces	0	0
Regional Shopping Center	No Fireplaces	0	0
Regional Shopping Center	Conventional Wood Stoves	0	0
Regional Shopping Center	Catalytic Wood Stoves	0	0

Regional Shopping Center	Non-Catalytic Wood Stoves	0	0
Regional Shopping Center	Pellet Wood Stoves	0	0
Medical Office Building	Wood Fireplaces	0	0
Medical Office Building	Gas Fireplaces	0	0
Medical Office Building	Propane Fireplaces	0	0
Medical Office Building	Electric Fireplaces	0	0
Medical Office Building	No Fireplaces	0	0
Medical Office Building	Conventional Wood Stoves	0	0
Medical Office Building	Catalytic Wood Stoves	0	0
Medical Office Building	Non-Catalytic Wood Stoves	0	0
Medical Office Building	Pellet Wood Stoves	0	0
Convenience Market with Gas Pumps	Wood Fireplaces	0	0
Convenience Market with Gas Pumps	Gas Fireplaces	0	0
Convenience Market with Gas Pumps	Propane Fireplaces	0	0
Convenience Market with Gas Pumps	Electric Fireplaces	0	0
Convenience Market with Gas Pumps	No Fireplaces	0	0
Convenience Market with Gas Pumps	Conventional Wood Stoves	0	0
Convenience Market with Gas Pumps	Catalytic Wood Stoves	0	0
Convenience Market with Gas Pumps	Non-Catalytic Wood Stoves	0	0
Convenience Market with Gas Pumps	Pellet Wood Stoves	0	0
Fast Food Restaurant with Drive Thru	Wood Fireplaces	0	0
Fast Food Restaurant with Drive Thru	Gas Fireplaces	0	0
Fast Food Restaurant with Drive Thru	Propane Fireplaces	0	0
Fast Food Restaurant with Drive Thru	Electric Fireplaces	0	0
Fast Food Restaurant with Drive Thru	No Fireplaces	0	0
Fast Food Restaurant with Drive Thru	Conventional Wood Stoves	0	0
Fast Food Restaurant with Drive Thru	Catalytic Wood Stoves	0	0
Fast Food Restaurant with Drive Thru	Non-Catalytic Wood Stoves	0	0

Fast Food Restaurant with Drive Thru	Pellet Wood Stoves	0	0
Automobile Care Center	Wood Fireplaces	0	0
Automobile Care Center	Gas Fireplaces	0	0
Automobile Care Center	Propane Fireplaces	0	0
Automobile Care Center	Electric Fireplaces	0	0
Automobile Care Center	No Fireplaces	0	0
Automobile Care Center	Conventional Wood Stoves	0	0
Automobile Care Center	Catalytic Wood Stoves	0	0
Automobile Care Center	Non-Catalytic Wood Stoves	0	0
Automobile Care Center	Pellet Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Wood Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Gas Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Propane Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Electric Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	No Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Conventional Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Catalytic Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Non-Catalytic Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Pellet Wood Stoves	0	0
Parking Lot	Wood Fireplaces	0	0
Parking Lot	Gas Fireplaces	0	0
Parking Lot	Propane Fireplaces	0	0
Parking Lot	Electric Fireplaces	0	0
Parking Lot	No Fireplaces	0	0
Parking Lot	Conventional Wood Stoves	0	0
Parking Lot	Catalytic Wood Stoves	0	0
Parking Lot	Non-Catalytic Wood Stoves	0	0
Parking Lot	Pellet Wood Stoves	0	0

Other Asphalt Surfaces	Wood Fireplaces	0	0
Other Asphalt Surfaces	Gas Fireplaces	0	0
Other Asphalt Surfaces	Propane Fireplaces	0	0
Other Asphalt Surfaces	Electric Fireplaces	0	0
Other Asphalt Surfaces	No Fireplaces	0	0
Other Asphalt Surfaces	Conventional Wood Stoves	0	0
Other Asphalt Surfaces	Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Non-Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Pellet Wood Stoves	0	0
Other Non-Asphalt Surfaces	Wood Fireplaces	0	0
Other Non-Asphalt Surfaces	Gas Fireplaces	0	0
Other Non-Asphalt Surfaces	Propane Fireplaces	0	0
Other Non-Asphalt Surfaces	Electric Fireplaces	0	0
Other Non-Asphalt Surfaces	No Fireplaces	0	0
Other Non-Asphalt Surfaces	Conventional Wood Stoves	0	0
Other Non-Asphalt Surfaces	Catalytic Wood Stoves	0	0
Other Non-Asphalt Surfaces	Non-Catalytic Wood Stoves	0	0
Other Non-Asphalt Surfaces	Pellet Wood Stoves	0	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0.00000	0.00000	473,369	157,790	77,631.1

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	180.000

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Regional Shopping Center	1,652,430	203.983	0.0330	0.0040	2,399,623
Medical Office Building	214,042	203.983	0.0330	0.0040	364,604
Convenience Market with Gas Pumps	25,106.0	203.983	0.0330	0.0040	14,277.8
Fast Food Restaurant with Drive Thru	753,849	203.983	0.0330	0.0040	2,109,444
Automobile Care Center	48,642.9	203.983	0.0330	0.0040	167,987
Unrefrigerated Warehouse-No Rail	429,593	203.983	0.0330	0.0040	213,366
Parking Lot	770,803	203.983	0.0330	0.0040	0.00000
Other Asphalt Surfaces	0.00000	203.983	0.0330	0.0040	0.00000
Other Non-Asphalt Surfaces	0.00000	203.983	0.0330	0.0040	0.00000

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Regional Shopping Center	43,512,007	0.00000
Medical Office Building	0.00000	0.00000
Convenience Market with Gas Pumps	0.00000	0.00000
Fast Food Restaurant with Drive Thru	0.00000	0.00000
Automobile Care Center	0.00000	0.00000
Unrefrigerated Warehouse-No Rail	0.00000	0.00000
Parking Lot	0.00000	0.00000

Other Asphalt Surfaces	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Regional Shopping Center	257.304	0.00000
Medical Office Building	98.5932	0.00000
Convenience Market with Gas Pumps	16.9496	0.00000
Fast Food Restaurant with Drive Thru	194.336	0.00000
Automobile Care Center	15.6620	0.00000
Unrefrigerated Warehouse-No Rail	37.6000	0.00000
Parking Lot	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430.00	0.03750	1.000000	0.00000	1.000000
Medical Office Building	Household refrigerators and/or freezers	R-134a	1,430.00	0.45455	0.60000	0.00000	1.000000

Medical Office Building	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00230	4.00000	4.00000	18.0000
Convenience Market with Gas Pumps	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Convenience Market with Gas Pumps	Supermarket refrigeration and condensing units	R-404A	3,922.00	26.5200	16.5000	16.5000	18.0000
Fast Food Restaurant with Drive Thru	Household refrigerators and/or freezers	R-134a	1,430.00	0.00000	0.60000	0.00000	1.000000
Fast Food Restaurant with Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088.00	1.80000	4.00000	4.00000	18.0000
Fast Food Restaurant with Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922.00	0.00040	7.50000	7.50000	20.0000
Automobile Care Center	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	20.0600	annual days of extreme heat
Extreme Precipitation	0.00000	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00000	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	—
AQ-PM	—
AQ-DPM	—
Drinking Water	—
Lead Risk Housing	—
Pesticides	—
Toxic Releases	—
Traffic	—
Effect Indicators	—
CleanUp Sites	—
Groundwater	—
Haz Waste Facilities/Generators	—
Impaired Water Bodies	—
Solid Waste	—
Sensitive Population	—
Asthma	—

Cardio-vascular	—
Low Birth Weights	—
Socioeconomic Factor Indicators	—
Education	—
Housing	—
Linguistic	—
Poverty	—
Unemployment	—

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	—
Employed	—
Median HI	—
Education	—
Bachelor's or higher	—
High school enrollment	—
Preschool enrollment	—
Transportation	—
Auto Access	—
Active commuting	—
Social	—
2-parent households	—
Voting	—
Neighborhood	—
Alcohol availability	—

Park access	—
Retail density	—
Supermarket access	—
Tree canopy	—
Housing	—
Homeownership	—
Housing habitability	—
Low-inc homeowner severe housing cost burden	—
Low-inc renter severe housing cost burden	—
Uncrowded housing	—
Health Outcomes	—
Insured adults	—
Arthritis	—
Asthma ER Admissions	—
High Blood Pressure	—
Cancer (excluding skin)	—
Asthma	—
Coronary Heart Disease	—
Chronic Obstructive Pulmonary Disease	—
Diagnosed Diabetes	—
Life Expectancy at Birth	—
Cognitively Disabled	—
Physically Disabled	—
Heart Attack ER Admissions	—
Mental Health Not Good	—
Chronic Kidney Disease	—
Obesity	—
Pedestrian Injuries	—

Physical Health Not Good	—
Stroke	—
Health Risk Behaviors	—
Binge Drinking	—
Current Smoker	—
No Leisure Time for Physical Activity	—
Climate Change Exposures	—
Wildfire Risk	—
SLR Inundation Area	—
Children	—
Elderly	—
English Speaking	—
Foreign-born	—
Outdoor Workers	—
Climate Change Adaptive Capacity	—
Impervious Surface Cover	—
Traffic Density	—
Traffic Access	—
Other Indices	—
Hardship	—
Other Decision Support	—
2016 Voting	—

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	—
Healthy Places Index Score for Project Location (b)	—
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No

Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Land Use	Based on information provided.
Operations: Vehicle Data	Based on information provided by the project traffic consultant.
Operations: Fleet Mix	Based on information provided by the traffic consultant.
Operations: Energy Use	The estimated 935,329 kWh/yr of renewable electricity generated from onsite PV system for Phase 1 is subtracted from the Title 24 electricity default total.
Operations: Water and Waste Water	Based on the full buildout demand from the Water Supply and Demand Analysis Coffee and Rosedale Commercial Retail Development Project study prepared by PlaceWorks. For purposes of modeling, all project water demand is assigned to the Regional Shopping Center land use.

8.2. Project Characteristics

8.2.1. Project Details

Model Parameter	Default Value	New Value

Windspeed (m/s)	—	1.000000

8.3. Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	acre	5.62560	5.63000
Landscape Area	sq. ft	—	328,275
Special Landscape Area	sq. ft	—	0.00000
Lot Area	acre	0.12964	0.01000
Building Area	sq. ft	5,647.00	428.000
Landscape Area	sq. ft	—	0.00000
Lot Area	acre	0.00900	20.2000
Landscape Area	sq. ft	—	0.00000

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

Land Use	Model Parameter	Units	Default Value	New Value
Regional Shopping Center	Weekday Trip Rate	size/day	37.7500	36.2945
Regional Shopping Center	Saturday Trip Rate	size/day	46.1200	36.1510
Regional Shopping Center	Sunday Trip Rate	size/day	21.1000	14.9506
Regional Shopping Center	Non-Res H-W Trip Length	miles	8.50253	3.93588
Regional Shopping Center	Non-Res W-O Trip Length	miles	4.80598	0.00000
Regional Shopping Center	Non-Res O-O Trip Length	miles	5.08225	0.00000
Regional Shopping Center	Weekday Primary Trip	%	37.9200	100.0000
Regional Shopping Center	Weekday Divert Trip	%	28.0800	0.00000
Regional Shopping Center	Weekday Pass-By Trip	%	34.0000	0.00000

Regional Shopping Center	Saturday Primary Trip	%	42.5100	100.0000
Regional Shopping Center	Saturday Divert Trip	%	31.4900	0.00000
Regional Shopping Center	Saturday Pass-By Trip	%	26.0000	0.00000
Regional Shopping Center	Sunday Primary Trip	%	42.5100	100.0000
Regional Shopping Center	Sunday Divert Trip	%	31.4900	0.00000
Regional Shopping Center	Sunday Pass-By Trip	%	26.0000	0.00000
Regional Shopping Center	Non-Res H-W Trip	%	31.7132	100.0000
Regional Shopping Center	Non-Res W-O Trip	%	14.8513	0.00000
Regional Shopping Center	Non-Res O-O Trip	%	53.4356	0.00000
Medical Office Building	Weekday Trip Rate	size/day	34.8000	21.9739
Medical Office Building	Saturday Trip Rate	size/day	8.57000	2.41867
Medical Office Building	Sunday Trip Rate	size/day	1.42000	0.29970
Medical Office Building	Non-Res H-W Trip Length	miles	8.50253	3.93588
Medical Office Building	Non-Res W-O Trip Length	miles	4.80598	0.00000
Medical Office Building	Non-Res O-O Trip Length	miles	5.08225	0.00000
Medical Office Building	Non-Res H-W Trip	%	31.7132	100.0000
Medical Office Building	Non-Res W-O Trip	%	14.8513	0.00000
Medical Office Building	Non-Res O-O Trip	%	53.4356	0.00000
Convenience Market with Gas Pumps	Weekday Trip Rate	size/day	322.500	231.959
Convenience Market with Gas Pumps	Saturday Trip Rate	size/day	322.500	230.912
Convenience Market with Gas Pumps	Sunday Trip Rate	size/day	322.500	230.912
Convenience Market with Gas Pumps	Non-Res H-W Trip Length	miles	8.50253	3.93588
Convenience Market with Gas Pumps	Non-Res W-O Trip Length	miles	4.80598	0.00000
Convenience Market with Gas Pumps	Non-Res O-O Trip Length	miles	5.08225	0.00000

Convenience Market with Gas Pumps	Weekday Primary Trip	%	14.2400	100.0000
Convenience Market with Gas Pumps	Weekday Divert Trip	%	21.2600	0.00000
Convenience Market with Gas Pumps	Weekday Pass-By Trip	%	64.5000	0.00000
Convenience Market with Gas Pumps	Non-Res H-W Trip	%	31.7132	100.0000
Convenience Market with Gas Pumps	Non-Res W-O Trip	%	14.8513	0.00000
Convenience Market with Gas Pumps	Non-Res O-O Trip	%	53.4356	0.00000
Fast Food Restaurant with Drive Thru	Weekday Trip Rate	size/day	470.950	291.500
Fast Food Restaurant with Drive Thru	Saturday Trip Rate	size/day	616.120	392.004
Fast Food Restaurant with Drive Thru	Sunday Trip Rate	size/day	472.580	248.567
Fast Food Restaurant with Drive Thru	Non-Res H-W Trip Length	miles	8.50253	3.93588
Fast Food Restaurant with Drive Thru	Non-Res W-O Trip Length	miles	4.80598	0.00000
Fast Food Restaurant with Drive Thru	Non-Res O-O Trip Length	miles	5.08225	0.00000
Fast Food Restaurant with Drive Thru	Weekday Primary Trip	%	26.5000	100.0000
Fast Food Restaurant with Drive Thru	Weekday Divert Trip	%	24.0000	0.00000
Fast Food Restaurant with Drive Thru	Weekday Pass-By Trip	%	49.5000	0.00000
Fast Food Restaurant with Drive Thru	Non-Res H-W Trip	%	31.7132	100.0000
Fast Food Restaurant with Drive Thru	Non-Res W-O Trip	%	14.8513	0.00000

Fast Food Restaurant with Drive Thru	Non-Res O-O Trip	%	53.4356	0.00000
Automobile Care Center	Weekday Trip Rate	size/day	23.7200	102.927
Automobile Care Center	Saturday Trip Rate	size/day	23.7200	107.868
Automobile Care Center	Sunday Trip Rate	size/day	11.8800	107.868
Automobile Care Center	Non-Res H-W Trip Length	miles	8.50253	3.93588
Automobile Care Center	Non-Res W-O Trip Length	miles	4.80598	0.00000
Automobile Care Center	Non-Res O-O Trip Length	miles	5.08225	0.00000
Automobile Care Center	Weekday Primary Trip	%	53.3000	100.0000
Automobile Care Center	Weekday Divert Trip	%	11.2000	0.00000
Automobile Care Center	Weekday Pass-By Trip	%	35.5000	0.00000
Automobile Care Center	Non-Res H-W Trip	%	31.7132	100.0000
Automobile Care Center	Non-Res W-O Trip	%	14.8513	0.00000
Automobile Care Center	Non-Res O-O Trip	%	53.4356	0.00000
Unrefrigerated Warehouse-No Rail	Weekday Trip Rate	size/day	1.74000	1.18300
Unrefrigerated Warehouse-No Rail	Saturday Trip Rate	size/day	1.74000	1.27400
Unrefrigerated Warehouse-No Rail	Sunday Trip Rate	size/day	1.74000	0.91000
Unrefrigerated Warehouse-No Rail	Non-Res H-W Trip Length	miles	8.50253	3.93588
Unrefrigerated Warehouse-No Rail	Non-Res W-O Trip Length	miles	4.80598	0.00000
Unrefrigerated Warehouse-No Rail	Non-Res O-O Trip Length	miles	5.08225	0.00000
Unrefrigerated Warehouse-No Rail	Non-Res H-W Trip	%	31.7132	100.0000
Unrefrigerated Warehouse-No Rail	Non-Res W-O Trip	%	14.8513	0.00000
Unrefrigerated Warehouse-No Rail	Non-Res O-O Trip	%	53.4356	0.00000
Parking Lot	Non-Res H-W Trip	%	31.7132	100.0000
Parking Lot	Non-Res W-O Trip	%	14.8513	0.00000
Parking Lot	Non-Res O-O Trip	%	53.4356	0.00000
Other Asphalt Surfaces	Non-Res H-W Trip	%	31.7132	100.0000
Other Asphalt Surfaces	Non-Res W-O Trip	%	14.8513	0.00000
Other Asphalt Surfaces	Non-Res O-O Trip	%	53.4356	0.00000

Other Non-Asphalt Surfaces	Non-Res H-W Trip	%	31.7132	100.0000
Other Non-Asphalt Surfaces	Non-Res W-O Trip	%	14.8513	0.00000
Other Non-Asphalt Surfaces	Non-Res O-O Trip	%	53.4356	0.00000

8.5.1.2. Fleet Mix

Land Use	Season	Model Parameter	Units	Default Value	New Value
Regional Shopping Center	A	Heavy-Heavy-Duty Trucks	%	4%	1%
Regional Shopping Center	A	Passenger Cars	%	43%	43%
Regional Shopping Center	A	Light-Duty Trucks 1	%	4%	4%
Regional Shopping Center	A	Light-Duty Trucks 2	%	21%	21%
Regional Shopping Center	A	Light Heavy-Duty Trucks 1	%	4%	5%
Regional Shopping Center	A	Light Heavy-Duty Trucks 2	%	1%	2%
Regional Shopping Center	A	Motorcycles	%	2%	2%
Regional Shopping Center	A	Medium-Duty Trucks	%	19%	19%
Regional Shopping Center	A	Motor Homes	%	< 0.5%	0%
Regional Shopping Center	A	Medium-Heavy-Duty Trucks	%	2%	3%
Regional Shopping Center	A	Other Buses	%	< 0.5%	0%
Regional Shopping Center	A	School Buses	%	< 0.5%	0%
Regional Shopping Center	A	Urban Buses	%	< 0.5%	0%
Regional Shopping Center	S	Heavy-Heavy-Duty Trucks	%	4%	1%
Regional Shopping Center	S	Passenger Cars	%	43%	43%
Regional Shopping Center	S	Light-Duty Trucks 1	%	4%	4%
Regional Shopping Center	S	Light-Duty Trucks 2	%	21%	21%
Regional Shopping Center	S	Light Heavy-Duty Trucks 1	%	4%	5%
Regional Shopping Center	S	Light Heavy-Duty Trucks 2	%	1%	2%
Regional Shopping Center	S	Motorcycles	%	2%	2%
Regional Shopping Center	S	Medium-Duty Trucks	%	19%	19%
Regional Shopping Center	S	Motor Homes	%	< 0.5%	0%

Regional Shopping Center	S	Medium-Heavy-Duty Trucks	%	2%	3%
Regional Shopping Center	S	Other Buses	%	< 0.5%	0%
Regional Shopping Center	S	School Buses	%	< 0.5%	0%
Regional Shopping Center	S	Urban Buses	%	< 0.5%	0%
Regional Shopping Center	W	Heavy-Heavy-Duty Trucks	%	4%	1%
Regional Shopping Center	W	Passenger Cars	%	43%	43%
Regional Shopping Center	W	Light-Duty Trucks 1	%	4%	4%
Regional Shopping Center	W	Light-Duty Trucks 2	%	21%	21%
Regional Shopping Center	W	Light Heavy-Duty Trucks 1	%	4%	5%
Regional Shopping Center	W	Light Heavy-Duty Trucks 2	%	1%	2%
Regional Shopping Center	W	Motorcycles	%	2%	2%
Regional Shopping Center	W	Medium-Duty Trucks	%	19%	19%
Regional Shopping Center	W	Motor Homes	%	< 0.5%	0%
Regional Shopping Center	W	Medium-Heavy-Duty Trucks	%	2%	3%
Regional Shopping Center	W	Other Buses	%	< 0.5%	0%
Regional Shopping Center	W	School Buses	%	< 0.5%	0%
Regional Shopping Center	W	Urban Buses	%	< 0.5%	0%
Medical Office Building	A	Heavy-Heavy-Duty Trucks	%	4%	1%
Medical Office Building	A	Passenger Cars	%	43%	43%
Medical Office Building	A	Light-Duty Trucks 1	%	4%	4%
Medical Office Building	A	Light-Duty Trucks 2	%	21%	21%
Medical Office Building	A	Light Heavy-Duty Trucks 1	%	4%	5%
Medical Office Building	A	Light Heavy-Duty Trucks 2	%	1%	2%
Medical Office Building	A	Motorcycles	%	2%	2%
Medical Office Building	A	Medium-Duty Trucks	%	19%	19%
Medical Office Building	A	Motor Homes	%	< 0.5%	0%
Medical Office Building	A	Medium-Heavy-Duty Trucks	%	2%	3%
Medical Office Building	A	Other Buses	%	< 0.5%	0%

Medical Office Building	A	School Buses	%	< 0.5%	0%
Medical Office Building	A	Urban Buses	%	< 0.5%	0%
Medical Office Building	S	Heavy-Heavy-Duty Trucks	%	4%	1%
Medical Office Building	S	Passenger Cars	%	43%	43%
Medical Office Building	S	Light-Duty Trucks 1	%	4%	4%
Medical Office Building	S	Light-Duty Trucks 2	%	21%	21%
Medical Office Building	S	Light Heavy-Duty Trucks 1	%	4%	5%
Medical Office Building	S	Light Heavy-Duty Trucks 2	%	1%	2%
Medical Office Building	S	Motorcycles	%	2%	2%
Medical Office Building	S	Medium-Duty Trucks	%	19%	19%
Medical Office Building	S	Motor Homes	%	< 0.5%	0%
Medical Office Building	S	Medium-Heavy-Duty Trucks	%	2%	3%
Medical Office Building	S	Other Buses	%	< 0.5%	0%
Medical Office Building	S	School Buses	%	< 0.5%	0%
Medical Office Building	S	Urban Buses	%	< 0.5%	0%
Medical Office Building	W	Heavy-Heavy-Duty Trucks	%	4%	1%
Medical Office Building	W	Passenger Cars	%	43%	43%
Medical Office Building	W	Light-Duty Trucks 1	%	4%	4%
Medical Office Building	W	Light-Duty Trucks 2	%	21%	21%
Medical Office Building	W	Light Heavy-Duty Trucks 1	%	4%	5%
Medical Office Building	W	Light Heavy-Duty Trucks 2	%	1%	2%
Medical Office Building	W	Motorcycles	%	2%	2%
Medical Office Building	W	Medium-Duty Trucks	%	19%	19%
Medical Office Building	W	Motor Homes	%	< 0.5%	0%
Medical Office Building	W	Medium-Heavy-Duty Trucks	%	2%	3%
Medical Office Building	W	Other Buses	%	< 0.5%	0%
Medical Office Building	W	School Buses	%	< 0.5%	0%
Medical Office Building	W	Urban Buses	%	< 0.5%	0%

Convenience Market with Gas Pumps	A	Heavy-Heavy-Duty Trucks	%	4%	1%
Convenience Market with Gas Pumps	A	Passenger Cars	%	43%	43%
Convenience Market with Gas Pumps	A	Light-Duty Trucks 1	%	4%	4%
Convenience Market with Gas Pumps	A	Light-Duty Trucks 2	%	21%	21%
Convenience Market with Gas Pumps	A	Light Heavy-Duty Trucks 1	%	4%	5%
Convenience Market with Gas Pumps	A	Light Heavy-Duty Trucks 2	%	1%	2%
Convenience Market with Gas Pumps	A	Motorcycles	%	2%	2%
Convenience Market with Gas Pumps	A	Medium-Duty Trucks	%	19%	19%
Convenience Market with Gas Pumps	A	Motor Homes	%	< 0.5%	0%
Convenience Market with Gas Pumps	A	Medium-Heavy-Duty Trucks	%	2%	3%
Convenience Market with Gas Pumps	A	Other Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	A	School Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	A	Urban Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	S	Heavy-Heavy-Duty Trucks	%	4%	1%
Convenience Market with Gas Pumps	S	Passenger Cars	%	43%	43%
Convenience Market with Gas Pumps	S	Light-Duty Trucks 1	%	4%	4%
Convenience Market with Gas Pumps	S	Light-Duty Trucks 2	%	21%	21%

Convenience Market with Gas Pumps	S	Light Heavy-Duty Trucks 1	%	4%	5%
Convenience Market with Gas Pumps	S	Light Heavy-Duty Trucks 2	%	1%	2%
Convenience Market with Gas Pumps	S	Motorcycles	%	2%	2%
Convenience Market with Gas Pumps	S	Medium-Duty Trucks	%	19%	19%
Convenience Market with Gas Pumps	S	Motor Homes	%	< 0.5%	0%
Convenience Market with Gas Pumps	S	Medium-Heavy-Duty Trucks	%	2%	3%
Convenience Market with Gas Pumps	S	Other Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	S	School Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	S	Urban Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	W	Heavy-Heavy-Duty Trucks	%	4%	1%
Convenience Market with Gas Pumps	W	Passenger Cars	%	43%	43%
Convenience Market with Gas Pumps	W	Light-Duty Trucks 1	%	4%	4%
Convenience Market with Gas Pumps	W	Light-Duty Trucks 2	%	21%	21%
Convenience Market with Gas Pumps	W	Light Heavy-Duty Trucks 1	%	4%	5%
Convenience Market with Gas Pumps	W	Light Heavy-Duty Trucks 2	%	1%	2%
Convenience Market with Gas Pumps	W	Motorcycles	%	2%	2%
Convenience Market with Gas Pumps	W	Medium-Duty Trucks	%	19%	19%

Convenience Market with Gas Pumps	W	Motor Homes	%	< 0.5%	0%
Convenience Market with Gas Pumps	W	Medium-Heavy-Duty Trucks	%	2%	3%
Convenience Market with Gas Pumps	W	Other Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	W	School Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	W	Urban Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	A	Heavy-Heavy-Duty Trucks	%	4%	1%
Fast Food Restaurant with Drive Thru	A	Passenger Cars	%	43%	43%
Fast Food Restaurant with Drive Thru	A	Light-Duty Trucks 1	%	4%	4%
Fast Food Restaurant with Drive Thru	A	Light-Duty Trucks 2	%	21%	21%
Fast Food Restaurant with Drive Thru	A	Light Heavy-Duty Trucks 1	%	4%	5%
Fast Food Restaurant with Drive Thru	A	Light Heavy-Duty Trucks 2	%	1%	2%
Fast Food Restaurant with Drive Thru	A	Motorcycles	%	2%	2%
Fast Food Restaurant with Drive Thru	A	Medium-Duty Trucks	%	19%	19%
Fast Food Restaurant with Drive Thru	A	Motor Homes	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	A	Medium-Heavy-Duty Trucks	%	2%	3%
Fast Food Restaurant with Drive Thru	A	Other Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	A	School Buses	%	< 0.5%	0%

Fast Food Restaurant with Drive Thru	A	Urban Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	S	Heavy-Heavy-Duty Trucks	%	4%	1%
Fast Food Restaurant with Drive Thru	S	Passenger Cars	%	43%	43%
Fast Food Restaurant with Drive Thru	S	Light-Duty Trucks 1	%	4%	4%
Fast Food Restaurant with Drive Thru	S	Light-Duty Trucks 2	%	21%	21%
Fast Food Restaurant with Drive Thru	S	Light Heavy-Duty Trucks 1	%	4%	5%
Fast Food Restaurant with Drive Thru	S	Light Heavy-Duty Trucks 2	%	1%	2%
Fast Food Restaurant with Drive Thru	S	Motorcycles	%	2%	2%
Fast Food Restaurant with Drive Thru	S	Medium-Duty Trucks	%	19%	19%
Fast Food Restaurant with Drive Thru	S	Motor Homes	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	S	Medium-Heavy-Duty Trucks	%	2%	3%
Fast Food Restaurant with Drive Thru	S	Other Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	S	School Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	S	Urban Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	W	Heavy-Heavy-Duty Trucks	%	4%	1%
Fast Food Restaurant with Drive Thru	W	Passenger Cars	%	43%	43%
Fast Food Restaurant with Drive Thru	W	Light-Duty Trucks 1	%	4%	4%

Fast Food Restaurant with Drive Thru	W	Light-Duty Trucks 2	%	21%	21%
Fast Food Restaurant with Drive Thru	W	Light Heavy-Duty Trucks 1	%	4%	5%
Fast Food Restaurant with Drive Thru	W	Light Heavy-Duty Trucks 2	%	1%	2%
Fast Food Restaurant with Drive Thru	W	Motorcycles	%	2%	2%
Fast Food Restaurant with Drive Thru	W	Medium-Duty Trucks	%	19%	19%
Fast Food Restaurant with Drive Thru	W	Motor Homes	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	W	Medium-Heavy-Duty Trucks	%	2%	3%
Fast Food Restaurant with Drive Thru	W	Other Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	W	School Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	W	Urban Buses	%	< 0.5%	0%
Automobile Care Center	A	Heavy-Heavy-Duty Trucks	%	4%	1%
Automobile Care Center	A	Passenger Cars	%	43%	43%
Automobile Care Center	A	Light-Duty Trucks 1	%	4%	4%
Automobile Care Center	A	Light-Duty Trucks 2	%	21%	21%
Automobile Care Center	A	Light Heavy-Duty Trucks 1	%	4%	5%
Automobile Care Center	A	Light Heavy-Duty Trucks 2	%	1%	2%
Automobile Care Center	A	Motorcycles	%	2%	2%
Automobile Care Center	A	Medium-Duty Trucks	%	19%	19%
Automobile Care Center	A	Motor Homes	%	< 0.5%	0%
Automobile Care Center	A	Medium-Heavy-Duty Trucks	%	2%	3%
Automobile Care Center	A	Other Buses	%	< 0.5%	0%
Automobile Care Center	A	School Buses	%	< 0.5%	0%

Automobile Care Center	A	Urban Buses	%	< 0.5%	0%
Automobile Care Center	S	Heavy-Heavy-Duty Trucks	%	4%	1%
Automobile Care Center	S	Passenger Cars	%	43%	43%
Automobile Care Center	S	Light-Duty Trucks 1	%	4%	4%
Automobile Care Center	S	Light-Duty Trucks 2	%	21%	21%
Automobile Care Center	S	Light Heavy-Duty Trucks 1	%	4%	5%
Automobile Care Center	S	Light Heavy-Duty Trucks 2	%	1%	2%
Automobile Care Center	S	Motorcycles	%	2%	2%
Automobile Care Center	S	Medium-Duty Trucks	%	19%	19%
Automobile Care Center	S	Motor Homes	%	< 0.5%	0%
Automobile Care Center	S	Medium-Heavy-Duty Trucks	%	2%	3%
Automobile Care Center	S	Other Buses	%	< 0.5%	0%
Automobile Care Center	S	School Buses	%	< 0.5%	0%
Automobile Care Center	S	Urban Buses	%	< 0.5%	0%
Automobile Care Center	W	Heavy-Heavy-Duty Trucks	%	4%	1%
Automobile Care Center	W	Passenger Cars	%	43%	43%
Automobile Care Center	W	Light-Duty Trucks 1	%	4%	4%
Automobile Care Center	W	Light-Duty Trucks 2	%	21%	21%
Automobile Care Center	W	Light Heavy-Duty Trucks 1	%	4%	5%
Automobile Care Center	W	Light Heavy-Duty Trucks 2	%	1%	2%
Automobile Care Center	W	Motorcycles	%	2%	2%
Automobile Care Center	W	Medium-Duty Trucks	%	19%	19%
Automobile Care Center	W	Motor Homes	%	< 0.5%	0%
Automobile Care Center	W	Medium-Heavy-Duty Trucks	%	2%	3%
Automobile Care Center	W	Other Buses	%	< 0.5%	0%
Automobile Care Center	W	School Buses	%	< 0.5%	0%
Automobile Care Center	W	Urban Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	A	Heavy-Heavy-Duty Trucks	%	4%	1%

Unrefrigerated Warehouse-No Rail	A	Passenger Cars	%	43%	43%
Unrefrigerated Warehouse-No Rail	A	Light-Duty Trucks 1	%	4%	4%
Unrefrigerated Warehouse-No Rail	A	Light-Duty Trucks 2	%	21%	21%
Unrefrigerated Warehouse-No Rail	A	Light Heavy-Duty Trucks 1	%	4%	5%
Unrefrigerated Warehouse-No Rail	A	Light Heavy-Duty Trucks 2	%	1%	2%
Unrefrigerated Warehouse-No Rail	A	Motorcycles	%	2%	2%
Unrefrigerated Warehouse-No Rail	A	Medium-Duty Trucks	%	19%	19%
Unrefrigerated Warehouse-No Rail	A	Motor Homes	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	A	Medium-Heavy-Duty Trucks	%	2%	3%
Unrefrigerated Warehouse-No Rail	A	Other Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	A	School Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	A	Urban Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	S	Heavy-Heavy-Duty Trucks	%	4%	1%
Unrefrigerated Warehouse-No Rail	S	Passenger Cars	%	43%	43%
Unrefrigerated Warehouse-No Rail	S	Light-Duty Trucks 1	%	4%	4%
Unrefrigerated Warehouse-No Rail	S	Light-Duty Trucks 2	%	21%	21%
Unrefrigerated Warehouse-No Rail	S	Light Heavy-Duty Trucks 1	%	4%	5%

Unrefrigerated Warehouse-No Rail	S	Light Heavy-Duty Trucks 2	%	1%	2%
Unrefrigerated Warehouse-No Rail	S	Motorcycles	%	2%	2%
Unrefrigerated Warehouse-No Rail	S	Medium-Duty Trucks	%	19%	19%
Unrefrigerated Warehouse-No Rail	S	Motor Homes	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	S	Medium-Heavy-Duty Trucks	%	2%	3%
Unrefrigerated Warehouse-No Rail	S	Other Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	S	School Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	S	Urban Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	W	Heavy-Heavy-Duty Trucks	%	4%	1%
Unrefrigerated Warehouse-No Rail	W	Passenger Cars	%	43%	43%
Unrefrigerated Warehouse-No Rail	W	Light-Duty Trucks 1	%	4%	4%
Unrefrigerated Warehouse-No Rail	W	Light-Duty Trucks 2	%	21%	21%
Unrefrigerated Warehouse-No Rail	W	Light Heavy-Duty Trucks 1	%	4%	5%
Unrefrigerated Warehouse-No Rail	W	Light Heavy-Duty Trucks 2	%	1%	2%
Unrefrigerated Warehouse-No Rail	W	Motorcycles	%	2%	2%
Unrefrigerated Warehouse-No Rail	W	Medium-Duty Trucks	%	19%	19%
Unrefrigerated Warehouse-No Rail	W	Motor Homes	%	< 0.5%	0%

Unrefrigerated Warehouse-No Rail	W	Medium-Heavy-Duty Trucks	%	2%	3%
Unrefrigerated Warehouse-No Rail	W	Other Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	W	School Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	W	Urban Buses	%	< 0.5%	0%

8.5.3. Energy Usage

Land Use	Model Parameter	Units	Default Value	New Value
Regional Shopping Center	Electricity	kWh/yr	2,587,758	1,652,430
Regional Shopping Center	Electricity (Subject to Title 24)	kWh/yr	1,998,734	1,063,405

8.5.4. Water and Waste Water

Land Use	Model Parameter	Units	Default Value	New Value
Regional Shopping Center	Indoor Water	gal/year	18,151,545	43,512,007
Regional Shopping Center	Outdoor Water	gal/year	5,354,055	0.00000
Medical Office Building	Indoor Water	gal/year	1,145,512	0.00000
Convenience Market with Gas Pumps	Indoor Water	gal/year	418,287	0.00000
Fast Food Restaurant with Drive Thru	Indoor Water	gal/year	5,120,917	0.00000
Automobile Care Center	Indoor Water	gal/year	385,733	0.00000
Unrefrigerated Warehouse-No Rail	Indoor Water	gal/year	9,250,000	0.00000

LOKH-01_Operation Phase 1_Mitigated_AQ Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	LOKH-01_Operation Phase 1_Mitigated_AQ
Operational Year	2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	1.000000
Precipitation (days)	—
Location	35.382244024302594, -119.09464262587437
County	Kern-San Joaquin
City	Bakersfield
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2817
EDFZ	5
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Southern California Gas
App Version	2022.1.1.41

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Regional Shopping Center	245.051	1000sqft	5.63000	245,051	328,275	0.00000	—	—

Medical Office Building	9.12900	1000sqft	0.20957	9,129.00	0.00000	—	—	—
Convenience Market with Gas Pumps	40.0000	Pump	0.01000	428.000	0.00000	—	—	—
Fast Food Restaurant with Drive Thru	16.8710	1000sqft	0.38730	16,871.0	0.00000	—	—	—
Automobile Care Center	4.10000	1000sqft	0.09412	4,100.00	0.00000	—	—	—
Unrefrigerated Warehouse-No Rail	40.0000	1000sqft	0.91827	40,000.0	0.00000	—	—	—
Parking Lot	1.000000	Space	20.2000	0.00000	0.00000	—	—	—
Other Asphalt Surfaces	281.691	1000sqft	6.46674	0.00000	0.00000	—	—	—
Other Non-Asphalt Surfaces	3.03600	Acre	3.03600	0.00000	0.00000	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Area Sources	LL-1	Replace Gas Powered Landscape Equipment with Zero-Emission Landscape Equipment
Area Sources	AS-2	Use Low-VOC Paints

2. Emissions Summary

2.3. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	91.6012	87.5289	55.0986	446.402	0.92674	0.91732	71.2789	72.1963	0.86500	18.1188	18.9838	417.761	97,561.7	97,979.5	47.1852	5.49809	443.247	101,241
Mit.	89.0358	85.1519	54.9830	432.677	0.92592	0.89293	71.2789	72.1719	0.84657	18.1188	18.9653	417.761	97,510.2	97,928.0	47.1836	5.49770	443.247	101,189
% Reduced	3%	3%	< 0.5%	3%	—	3%	—	< 0.5%	2%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	—	—	< 0.5%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	81.2532	76.9141	62.3338	402.981	0.85036	0.89411	71.2789	72.1731	0.84771	18.1188	18.9665	417.761	89,863.2	90,281.0	48.2406	5.87287	124.995	93,362.1
Mit.	81.1292	76.7901	62.3338	402.981	0.85036	0.89411	71.2789	72.1731	0.84771	18.1188	18.9665	417.761	89,863.2	90,281.0	48.2406	5.87287	124.995	93,362.1
% Reduced	< 0.5%	< 0.5%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	75.7393	71.9491	53.3218	358.069	0.79039	0.83162	64.5819	65.4136	0.78666	16.4164	17.2031	417.761	83,713.0	84,130.8	47.1873	5.14819	244.345	87,089.0
Mit.	74.4113	70.7140	53.2648	351.301	0.78998	0.81959	64.5819	65.4015	0.77757	16.4164	17.1940	417.761	83,687.6	84,105.4	47.1865	5.14800	244.345	87,063.5
% Reduced	2%	2%	< 0.5%	2%	—	1%	—	< 0.5%	1%	—	< 0.5%	—	< 0.5%	< 0.5%	—	—	—	< 0.5%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	13.8224	13.1307	9.73122	65.3476	0.14425	0.15177	11.7862	11.9380	0.14357	2.99600	3.13956	69.1650	13,859.6	13,928.8	7.81240	0.85234	40.4541	14,418.6
Mit.	13.5801	12.9053	9.72082	64.1124	0.14417	0.14958	11.7862	11.9358	0.14191	2.99600	3.13790	69.1650	13,855.4	13,924.6	7.81227	0.85231	40.4541	14,414.4
% Reduced	2%	2%	< 0.5%	2%	< 0.5%	1%	—	< 0.5%	1%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

2.4. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	81.6496	77.8435	53.5677	431.488	0.91743	0.78536	71.2789	72.0643	0.73901	18.1188	18.8578	—	93,544.3	93,544.3	4.69596	5.24673	326.724	95,552.0

Area	9.79595	9.60758	0.11551	13.7243	0.00082	0.02439	—	0.02439	0.01843	—	0.01843	—	56.4402	56.4402	0.00237	0.00048	—	56.6437
Energy	0.15569	0.07784	1.41534	1.18888	0.00849	0.10757	—	0.10757	0.10757	—	0.10757	—	3,865.18	3,865.18	0.50155	0.04586	—	3,891.39
Water	—	—	—	—	—	—	—	—	—	—	—	83.3793	95.7870	179.166	8.56508	0.20501	—	454.387
Waste	—	—	—	—	—	—	—	—	—	—	—	334.381	0.00000	334.381	33.4202	0.00000	—	1,169.89
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.522	116.522
Total	91.6012	87.5289	55.0986	446.402	0.92674	0.91732	71.2789	72.1963	0.86500	18.1188	18.9838	417.761	97,561.7	97,979.5	47.1852	5.49809	443.247	101,241
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	73.7429	69.4817	60.9185	401.792	0.84187	0.78655	71.2789	72.0655	0.74014	18.1188	18.8589	—	85,902.2	85,902.2	5.75370	5.62200	8.47239	87,729.9
Area	7.35462	7.35462	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.15569	0.07784	1.41534	1.18888	0.00849	0.10757	—	0.10757	0.10757	—	0.10757	—	3,865.18	3,865.18	0.50155	0.04586	—	3,891.39
Water	—	—	—	—	—	—	—	—	—	—	—	83.3793	95.7870	179.166	8.56508	0.20501	—	454.387
Waste	—	—	—	—	—	—	—	—	—	—	—	334.381	0.00000	334.381	33.4202	0.00000	—	1,169.89
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.522	116.522
Total	81.2532	76.9141	62.3338	402.981	0.85036	0.89411	71.2789	72.1731	0.84771	18.1188	18.9665	417.761	89,863.2	90,281.0	48.2406	5.87287	124.995	93,362.1
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	67.0250	63.4056	51.8495	350.112	0.78149	0.71202	64.5819	65.2940	0.67001	16.4164	17.0864	—	79,724.2	79,724.2	4.69929	4.89708	127.823	81,428.9
Area	8.55856	8.46567	0.05697	6.76816	0.00040	0.01203	—	0.01203	0.00909	—	0.00909	—	27.8335	27.8335	0.00117	0.00024	—	27.9339
Energy	0.15569	0.07784	1.41534	1.18888	0.00849	0.10757	—	0.10757	0.10757	—	0.10757	—	3,865.18	3,865.18	0.50155	0.04586	—	3,891.39
Water	—	—	—	—	—	—	—	—	—	—	—	83.3793	95.7870	179.166	8.56508	0.20501	—	454.387
Waste	—	—	—	—	—	—	—	—	—	—	—	334.381	0.00000	334.381	33.4202	0.00000	—	1,169.89
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.522	116.522
Total	75.7393	71.9491	53.3218	358.069	0.79039	0.83162	64.5819	65.4136	0.78666	16.4164	17.2031	417.761	83,713.0	84,130.8	47.1873	5.14819	244.345	87,089.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	12.2321	11.5715	9.46253	63.8954	0.14262	0.12994	11.7862	11.9161	0.12228	2.99600	3.11827	—	13,199.3	13,199.3	0.77802	0.81077	21.1625	13,481.5
Area	1.56194	1.54498	0.01040	1.23519	0.00007	0.00220	—	0.00220	0.00166	—	0.00166	—	4.60816	4.60816	0.00019	0.00004	—	4.62478
Energy	0.02841	0.01421	0.25830	0.21697	0.00155	0.01963	—	0.01963	0.01963	—	0.01963	—	639.925	639.925	0.08304	0.00759	—	644.264

Water	—	—	—	—	—	—	—	—	—	—	—	13.8044	15.8586	29.6630	1.41805	0.03394	—	75.2290
Waste	—	—	—	—	—	—	—	—	—	—	—	55.3606	0.00000	55.3606	5.53310	0.00000	—	193.688
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.2916	19.2916
Total	13.8224	13.1307	9.73122	65.3476	0.14425	0.15177	11.7862	11.9380	0.14357	2.99600	3.13956	69.1650	13,859.6	13,928.8	7.81240	0.85234	40.4541	14,418.6

2.5. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	81.6496	77.8435	53.5677	431.488	0.91743	0.78536	71.2789	72.0643	0.73901	18.1188	18.8578	—	93,544.3	93,544.3	4.69596	5.24673	326.724	95,552.0
Area	7.23055	7.23055	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.15569	0.07784	1.41534	1.18888	0.00849	0.10757	—	0.10757	0.10757	—	0.10757	—	3,870.13	3,870.13	0.50235	0.04596	—	3,896.38
Water	—	—	—	—	—	—	—	—	—	—	—	83.3793	95.7870	179.166	8.56508	0.20501	—	454.387
Waste	—	—	—	—	—	—	—	—	—	—	—	334.381	0.00000	334.381	33.4202	0.00000	—	1,169.89
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.522	116.522
Total	89.0358	85.1519	54.9830	432.677	0.92592	0.89293	71.2789	72.1719	0.84657	18.1188	18.9653	417.761	97,510.2	97,928.0	47.1836	5.49770	443.247	101,189
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	73.7429	69.4817	60.9185	401.792	0.84187	0.78655	71.2789	72.0655	0.74014	18.1188	18.8589	—	85,902.2	85,902.2	5.75370	5.62200	8.47239	87,729.9
Area	7.23055	7.23055	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.15569	0.07784	1.41534	1.18888	0.00849	0.10757	—	0.10757	0.10757	—	0.10757	—	3,865.18	3,865.18	0.50155	0.04586	—	3,891.39
Water	—	—	—	—	—	—	—	—	—	—	—	83.3793	95.7870	179.166	8.56508	0.20501	—	454.387
Waste	—	—	—	—	—	—	—	—	—	—	—	334.381	0.00000	334.381	33.4202	0.00000	—	1,169.89
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.522	116.522
Total	81.1292	76.7901	62.3338	402.981	0.85036	0.89411	71.2789	72.1731	0.84771	18.1188	18.9665	417.761	89,863.2	90,281.0	48.2406	5.87287	124.995	93,362.1
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	67.0250	63.4056	51.8495	350.112	0.78149	0.71202	64.5819	65.2940	0.67001	16.4164	17.0864	—	79,724.2	79,724.2	4.69929	4.89708	127.823	81,428.9
Area	7.23055	7.23055	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.15569	0.07784	1.41534	1.18888	0.00849	0.10757	—	0.10757	0.10757	—	0.10757	—	3,867.62	3,867.62	0.50195	0.04591	—	3,893.85
Water	—	—	—	—	—	—	—	—	—	—	—	83.3793	95.7870	179.166	8.56508	0.20501	—	454.387
Waste	—	—	—	—	—	—	—	—	—	—	—	334.381	0.00000	334.381	33.4202	0.00000	—	1,169.89
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.522	116.522
Total	74.4113	70.7140	53.2648	351.301	0.78998	0.81959	64.5819	65.4015	0.77757	16.4164	17.1940	417.761	83,687.6	84,105.4	47.1865	5.14800	244.345	87,063.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	12.2321	11.5715	9.46253	63.8954	0.14262	0.12994	11.7862	11.9161	0.12228	2.99600	3.11827	—	13,199.3	13,199.3	0.77802	0.81077	21.1625	13,481.5
Area	1.31958	1.31958	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.02841	0.01421	0.25830	0.21697	0.00155	0.01963	—	0.01963	0.01963	—	0.01963	—	640.329	640.329	0.08310	0.00760	—	644.672
Water	—	—	—	—	—	—	—	—	—	—	—	13.8044	15.8586	29.6630	1.41805	0.03394	—	75.2290
Waste	—	—	—	—	—	—	—	—	—	—	—	55.3606	0.00000	55.3606	5.53310	0.00000	—	193.688
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.2916	19.2916
Total	13.5801	12.9053	9.72082	64.1124	0.14417	0.14958	11.7862	11.9358	0.14191	2.99600	3.13790	69.1650	13,855.4	13,924.6	7.81227	0.85231	40.4541	14,414.4

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Regional Shopping Center	28.5008	27.1722	18.6985	150.616	0.32024	0.27414	24.8808	25.1549	0.25796	6.32458	6.58254	—	32,652.8	32,652.8	1.63919	1.83144	114.047	33,353.6
Medical Office Building	0.64282	0.61286	0.42174	3.39708	0.00722	0.00618	0.56117	0.56736	0.00582	0.14265	0.14847	—	736.469	736.469	0.03697	0.04131	2.57228	752.275
Convenience Market with Gas Pumps	29.7325	28.3465	19.5065	157.125	0.33408	0.28599	25.9560	26.2420	0.26911	6.59790	6.86701	—	34,063.9	34,063.9	1.71002	1.91058	118.976	34,795.0
Fast Food Restaurant with Drive Thru	21.1929	20.2050	13.9040	111.997	0.23813	0.20385	18.5011	18.7050	0.19182	4.70290	4.89472	—	24,280.3	24,280.3	1.21888	1.36184	84.8045	24,801.4
Automobile Care Center	1.41722	1.35116	0.92979	7.48950	0.01592	0.01363	1.23721	1.25085	0.01283	0.31449	0.32732	—	1,623.68	1,623.68	0.08151	0.09107	5.67107	1,658.53
Unrefrigerated Warehouse-No Rail	0.16330	0.15569	0.10714	0.86299	0.00183	0.00157	0.14256	0.14413	0.00148	0.03624	0.03772	—	187.091	187.091	0.00939	0.01049	0.65346	191.106
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	81.6496	77.8435	53.5677	431.488	0.91743	0.78536	71.2789	72.0643	0.73901	18.1188	18.8578	—	93,544.3	93,544.3	4.69596	5.24673	326.724	95,552.0

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	25.7409	24.2534	21.2644	140.250	0.29387	0.27455	24.8808	25.1554	0.25836	6.32458	6.58294	—	29,985.2	29,985.2	2.00840	1.96243	2.95739	30,623.2
Medical Office Building	0.58057	0.54703	0.47961	3.16328	0.00663	0.00619	0.56117	0.56737	0.00583	0.14265	0.14848	—	676.303	676.303	0.04530	0.04426	0.06670	690.692
Convenience Market with Gas Pumps	26.8533	25.3016	22.1833	146.311	0.30657	0.28642	25.9560	26.2425	0.26952	6.59790	6.86742	—	31,281.1	31,281.1	2.09519	2.04724	3.08520	31,946.6
Fast Food Restaurant with Drive Thru	19.1407	18.0346	15.8120	104.289	0.21852	0.20416	18.5011	18.7053	0.19211	4.70290	4.89502	—	22,296.8	22,296.8	1.49343	1.45924	2.19909	22,771.2
Automobile Care Center	1.27998	1.20602	1.05738	6.97405	0.01461	0.01365	1.23721	1.25087	0.01285	0.31449	0.32734	—	1,491.04	1,491.04	0.09987	0.09758	0.14706	1,522.76
Unrefrigerated Warehouse-No Rail	0.14749	0.13897	0.12184	0.80359	0.00168	0.00157	0.14256	0.14413	0.00148	0.03624	0.03772	—	171.807	171.807	0.01151	0.01124	0.01695	175.462
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Total	73.7429	69.4817	60.9185	401.792	0.84187	0.78655	71.2789	72.0655	0.74014	18.1188	18.8589	—	85,902.2	85,902.2	5.75370	5.62200	8.47239	87,729.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	4.31396	4.08100	3.33721	22.5344	0.05030	0.04583	4.15671	4.20254	0.04312	1.05662	1.09974	—	4,655.06	4,655.06	0.27439	0.28594	7.46350	4,754.59
Medical Office Building	0.07780	0.07360	0.06018	0.40639	0.00091	0.00083	0.07496	0.07579	0.00078	0.01906	0.01983	—	83.9504	83.9504	0.00495	0.00516	0.13460	85.7454
Convenience Market with Gas Pumps	4.90984	4.64470	3.79817	25.6470	0.05725	0.05216	4.73087	4.78303	0.04908	1.20257	1.25165	—	5,298.06	5,298.06	0.31229	0.32543	8.49442	5,411.34
Fast Food Restaurant with Drive Thru	2.67929	2.53460	2.07265	13.9955	0.03124	0.02846	2.58163	2.61009	0.02678	0.65624	0.68302	—	2,891.14	2,891.14	0.17042	0.17759	4.63539	2,952.96
Automobile Care Center	0.22667	0.21443	0.17534	1.18401	0.00264	0.00241	0.21840	0.22081	0.00227	0.05552	0.05778	—	244.588	244.588	0.01442	0.01502	0.39215	249.817
Unrefrigerated Warehouse-No Rail	0.02452	0.02320	0.01897	0.12809	0.00029	0.00026	0.02363	0.02389	0.00025	0.00601	0.00625	—	26.4606	26.4606	0.00156	0.00163	0.04242	27.0263
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Total	12.2321	11.5715	9.46253	63.8954	0.14262	0.12994	11.7862	11.9161	0.12228	2.99600	3.11827	—	13,199.3	13,199.3	0.77802	0.81077	21.1625	13,481.5

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	28.5008	27.1722	18.6985	150.616	0.32024	0.27414	24.8808	25.1549	0.25796	6.32458	6.58254	—	32,652.8	32,652.8	1.63919	1.83144	114.047	33,353.6
Medical Office Building	0.64282	0.61286	0.42174	3.39708	0.00722	0.00618	0.56117	0.56736	0.00582	0.14265	0.14847	—	736.469	736.469	0.03697	0.04131	2.57228	752.275
Convenience Market with Gas Pumps	29.7325	28.3465	19.5065	157.125	0.33408	0.28599	25.9560	26.2420	0.26911	6.59790	6.86701	—	34,063.9	34,063.9	1.71002	1.91058	118.976	34,795.0
Fast Food Restaurant with Drive Thru	21.1929	20.2050	13.9040	111.997	0.23813	0.20385	18.5011	18.7050	0.19182	4.70290	4.89472	—	24,280.3	24,280.3	1.21888	1.36184	84.8045	24,801.4
Automobile Care Center	1.41722	1.35116	0.92979	7.48950	0.01592	0.01363	1.23721	1.25085	0.01283	0.31449	0.32732	—	1,623.68	1,623.68	0.08151	0.09107	5.67107	1,658.53
Unrefrigerated Warehouse-No Rail	0.16330	0.15569	0.10714	0.86299	0.00183	0.00157	0.14256	0.14413	0.00148	0.03624	0.03772	—	187.091	187.091	0.00939	0.01049	0.65346	191.106

Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	81.6496	77.8435	53.5677	431.488	0.91743	0.78536	71.2789	72.0643	0.73901	18.1188	18.8578	—	93,544.3	93,544.3	4.69596	5.24673	326.724	95,552.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	25.7409	24.2534	21.2644	140.250	0.29387	0.27455	24.8808	25.1554	0.25836	6.32458	6.58294	—	29,985.2	29,985.2	2.00840	1.96243	2.95739	30,623.2
Medical Office Building	0.58057	0.54703	0.47961	3.16328	0.00663	0.00619	0.56117	0.56737	0.00583	0.14265	0.14848	—	676.303	676.303	0.04530	0.04426	0.06670	690.692
Convenience Market with Gas Pumps	26.8533	25.3016	22.1833	146.311	0.30657	0.28642	25.9560	26.2425	0.26952	6.59790	6.86742	—	31,281.1	31,281.1	2.09519	2.04724	3.08520	31,946.6
Fast Food Restaurant with Drive Thru	19.1407	18.0346	15.8120	104.289	0.21852	0.20416	18.5011	18.7053	0.19211	4.70290	4.89502	—	22,296.8	22,296.8	1.49343	1.45924	2.19909	22,771.2
Automobile Care Center	1.27998	1.20602	1.05738	6.97405	0.01461	0.01365	1.23721	1.25087	0.01285	0.31449	0.32734	—	1,491.04	1,491.04	0.09987	0.09758	0.14706	1,522.76

Unrefrigerated Warehouse-No Rail	0.14749	0.13897	0.12184	0.80359	0.00168	0.00157	0.14256	0.14413	0.00148	0.03624	0.03772	—	171.807	171.807	0.01151	0.01124	0.01695	175.462
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	73.7429	69.4817	60.9185	401.792	0.84187	0.78655	71.2789	72.0655	0.74014	18.1188	18.8589	—	85,902.2	85,902.2	5.75370	5.62200	8.47239	87,729.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	4.31396	4.08100	3.33721	22.5344	0.05030	0.04583	4.15671	4.20254	0.04312	1.05662	1.09974	—	4,655.06	4,655.06	0.27439	0.28594	7.46350	4,754.59
Medical Office Building	0.07780	0.07360	0.06018	0.40639	0.00091	0.00083	0.07496	0.07579	0.00078	0.01906	0.01983	—	83.9504	83.9504	0.00495	0.00516	0.13460	85.7454
Convenience Market with Gas Pumps	4.90984	4.64470	3.79817	25.6470	0.05725	0.05216	4.73087	4.78303	0.04908	1.20257	1.25165	—	5,298.06	5,298.06	0.31229	0.32543	8.49442	5,411.34
Fast Food Restaurant with Drive Thru	2.67929	2.53460	2.07265	13.9955	0.03124	0.02846	2.58163	2.61009	0.02678	0.65624	0.68302	—	2,891.14	2,891.14	0.17042	0.17759	4.63539	2,952.96
Automobile Care Center	0.22667	0.21443	0.17534	1.18401	0.00264	0.00241	0.21840	0.22081	0.00227	0.05552	0.05778	—	244.588	244.588	0.01442	0.01502	0.39215	249.817

Unrefrig Warehouse-No Rail	0.02452	0.02320	0.01897	0.12809	0.00029	0.00026	0.02363	0.02389	0.00025	0.00601	0.00625	—	26.4606	26.4606	0.00156	0.00163	0.04242	27.0263
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	12.2321	11.5715	9.46253	63.8954	0.14262	0.12994	11.7862	11.9161	0.12228	2.99600	3.11827	—	13,199.3	13,199.3	0.77802	0.81077	21.1625	13,481.5

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	923.473	923.473	0.14940	0.01811	—	932.604
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	119.619	119.619	0.01935	0.00235	—	120.802
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	14.0307	14.0307	0.00227	0.00028	—	14.1694

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	421.294	421.294	0.06816	0.00826	—	425.460
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	27.1845	27.1845	0.00440	0.00053	—	27.4533
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	240.081	240.081	0.03884	0.00471	—	242.455
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	430.769	430.769	0.06969	0.00845	—	435.028
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,176.45	2,176.45	0.35210	0.04268	—	2,197.97
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	923.473	923.473	0.14940	0.01811	—	932.604
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	119.619	119.619	0.01935	0.00235	—	120.802

Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	14.0307	14.0307	0.00227	0.00028	—	14.1694
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	421.294	421.294	0.06816	0.00826	—	425.460
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	27.1845	27.1845	0.00440	0.00053	—	27.4533
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	240.081	240.081	0.03884	0.00471	—	242.455
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	430.769	430.769	0.06969	0.00845	—	435.028
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,176.45	2,176.45	0.35210	0.04268	—	2,197.97
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	152.891	152.891	0.02473	0.00300	—	154.403
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	19.8043	19.8043	0.00320	0.00039	—	20.0001

Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	2.32294	2.32294	0.00038	0.00005	—	2.34591
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	69.7501	69.7501	0.01128	0.00137	—	70.4397
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	4.50070	4.50070	0.00073	0.00009	—	4.54520
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	39.7482	39.7482	0.00643	0.00078	—	40.1412
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	71.3187	71.3187	0.01154	0.00140	—	72.0239
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	360.336	360.336	0.05829	0.00707	—	363.899

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Regional	—	—	—	—	—	—	—	—	—	—	—	—	927.313	927.313	0.15002	0.01818	—	936.482
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	119.762	119.762	0.01937	0.00235	—	120.946
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	14.0374	14.0374	0.00227	0.00028	—	14.1762
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	421.559	421.559	0.06820	0.00827	—	425.727
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	27.2487	27.2487	0.00441	0.00053	—	27.5182
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	240.708	240.708	0.03894	0.00472	—	243.088
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	430.769	430.769	0.06969	0.00845	—	435.028
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,181.40	2,181.40	0.35290	0.04278	—	2,202.97
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Regional	—	—	—	—	—	—	—	—	—	—	—	—	923.473	923.473	0.14940	0.01811	—	932.604
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	119.619	119.619	0.01935	0.00235	—	120.802
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	14.0307	14.0307	0.00227	0.00028	—	14.1694
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	421.294	421.294	0.06816	0.00826	—	425.460
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	27.1845	27.1845	0.00440	0.00053	—	27.4533
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	240.081	240.081	0.03884	0.00471	—	242.455
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	430.769	430.769	0.06969	0.00845	—	435.028
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,176.45	2,176.45	0.35210	0.04268	—	2,197.97
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Regional Shopping	—	—	—	—	—	—	—	—	—	—	—	—	153.205	153.205	0.02479	0.00300	—	154.720
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	19.8160	19.8160	0.00321	0.00039	—	20.0119
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	2.32349	2.32349	0.00038	0.00005	—	2.34646
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	69.7716	69.7716	0.01129	0.00137	—	70.4615
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	4.50595	4.50595	0.00073	0.00009	—	4.55050
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	39.7993	39.7993	0.00644	0.00078	—	40.1929
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	71.3187	71.3187	0.01154	0.00140	—	72.0239
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	360.740	360.740	0.05836	0.00707	—	364.307

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.07090	0.03545	0.64454	0.54141	0.00387	0.04899	—	0.04899	0.04899	—	0.04899	—	769.044	769.044	0.06806	0.00145	—	771.177
Medical Office Building	0.01077	0.00539	0.09793	0.08226	0.00059	0.00744	—	0.00744	0.00744	—	0.00744	—	116.850	116.850	0.01034	0.00022	—	117.174
Convenience Market with Gas Pumps	0.00042	0.00021	0.00384	0.00322	0.00002	0.00029	—	0.00029	0.00029	—	0.00029	—	4.57584	4.57584	0.00040	0.00001	—	4.58853
Fast Food Restaurant with Drive Thru	0.06233	0.03116	0.56660	0.47594	0.00340	0.04306	—	0.04306	0.04306	—	0.04306	—	676.046	676.046	0.05983	0.00127	—	677.921
Automobile Care Center	0.00496	0.00248	0.04512	0.03790	0.00027	0.00343	—	0.00343	0.00343	—	0.00343	—	53.8372	53.8372	0.00476	0.00010	—	53.9865
Unrefrigerated Warehouse-No Rail	0.00630	0.00315	0.05731	0.04814	0.00034	0.00436	—	0.00436	0.00436	—	0.00436	—	68.3807	68.3807	0.00605	0.00013	—	68.5703
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.15569	0.07784	1.41534	1.18888	0.00849	0.10757	—	0.10757	0.10757	—	0.10757	—	1,688.73	1,688.73	0.14945	0.00318	—	1,693.42
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.07090	0.03545	0.64454	0.54141	0.00387	0.04899	—	0.04899	0.04899	—	0.04899	—	769.044	769.044	0.06806	0.00145	—	771.177
Medical Office Building	0.01077	0.00539	0.09793	0.08226	0.00059	0.00744	—	0.00744	0.00744	—	0.00744	—	116.850	116.850	0.01034	0.00022	—	117.174
Convenience Market with Gas Pumps	0.00042	0.00021	0.00384	0.00322	0.00002	0.00029	—	0.00029	0.00029	—	0.00029	—	4.57584	4.57584	0.00040	0.00001	—	4.58853
Fast Food Restaurant with Drive Thru	0.06233	0.03116	0.56660	0.47594	0.00340	0.04306	—	0.04306	0.04306	—	0.04306	—	676.046	676.046	0.05983	0.00127	—	677.921
Automobile Care Center	0.00496	0.00248	0.04512	0.03790	0.00027	0.00343	—	0.00343	0.00343	—	0.00343	—	53.8372	53.8372	0.00476	0.00010	—	53.9865
Unrefrigerated Warehouse-No Rail	0.00630	0.00315	0.05731	0.04814	0.00034	0.00436	—	0.00436	0.00436	—	0.00436	—	68.3807	68.3807	0.00605	0.00013	—	68.5703
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.15569	0.07784	1.41534	1.18888	0.00849	0.10757	—	0.10757	0.10757	—	0.10757	—	1,688.73	1,688.73	0.14945	0.00318	—	1,693.42
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.01294	0.00647	0.11763	0.09881	0.00071	0.00894	—	0.00894	0.00894	—	0.00894	—	127.324	127.324	0.01127	0.00024	—	127.677
Medical Office Building	0.00197	0.00098	0.01787	0.01501	0.00011	0.00136	—	0.00136	0.00136	—	0.00136	—	19.3459	19.3459	0.00171	0.00004	—	19.3995
Convenience Market with Gas Pumps	0.00008	0.00004	0.00070	0.00059	< 0.000005	0.00005	—	0.00005	0.00005	—	0.00005	—	0.75758	0.75758	0.00007	< 0.000005	—	0.75968
Fast Food Restaurant with Drive Thru	0.01137	0.00569	0.10340	0.08686	0.00062	0.00786	—	0.00786	0.00786	—	0.00786	—	111.927	111.927	0.00991	0.00021	—	112.238
Automobile Care Center	0.00091	0.00045	0.00823	0.00692	0.00005	0.00063	—	0.00063	0.00063	—	0.00063	—	8.91336	8.91336	0.00079	0.00002	—	8.93809
Unrefrigerated Warehouse-No Rail	0.00115	0.00058	0.01046	0.00879	0.00006	0.00079	—	0.00079	0.00079	—	0.00079	—	11.3212	11.3212	0.00100	0.00002	—	11.3526
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.02841	0.01421	0.25830	0.21697	0.00155	0.01963	—	0.01963	0.01963	—	0.01963	—	279.589	279.589	0.02474	0.00053	—	280.365

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.07090	0.03545	0.64454	0.54141	0.00387	0.04899	—	0.04899	0.04899	—	0.04899	—	769.044	769.044	0.06806	0.00145	—	771.177
Medical Office Building	0.01077	0.00539	0.09793	0.08226	0.00059	0.00744	—	0.00744	0.00744	—	0.00744	—	116.850	116.850	0.01034	0.00022	—	117.174
Convenience Market with Gas Pumps	0.00042	0.00021	0.00384	0.00322	0.00002	0.00029	—	0.00029	0.00029	—	0.00029	—	4.57584	4.57584	0.00040	0.00001	—	4.58853
Fast Food Restaurant with Drive Thru	0.06233	0.03116	0.56660	0.47594	0.00340	0.04306	—	0.04306	0.04306	—	0.04306	—	676.046	676.046	0.05983	0.00127	—	677.921

Automobile Care Center	0.00496	0.00248	0.04512	0.03790	0.00027	0.00343	—	0.00343	0.00343	—	0.00343	—	53.8372	53.8372	0.00476	0.00010	—	53.9865
Unrefrigerated Warehouse-No Rail	0.00630	0.00315	0.05731	0.04814	0.00034	0.00436	—	0.00436	0.00436	—	0.00436	—	68.3807	68.3807	0.00605	0.00013	—	68.5703
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.15569	0.07784	1.41534	1.18888	0.00849	0.10757	—	0.10757	0.10757	—	0.10757	—	1,688.73	1,688.73	0.14945	0.00318	—	1,693.42
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.07090	0.03545	0.64454	0.54141	0.00387	0.04899	—	0.04899	0.04899	—	0.04899	—	769.044	769.044	0.06806	0.00145	—	771.177
Medical Office Building	0.01077	0.00539	0.09793	0.08226	0.00059	0.00744	—	0.00744	0.00744	—	0.00744	—	116.850	116.850	0.01034	0.00022	—	117.174
Convenience Market with Gas Pumps	0.00042	0.00021	0.00384	0.00322	0.00002	0.00029	—	0.00029	0.00029	—	0.00029	—	4.57584	4.57584	0.00040	0.00001	—	4.58853

Fast Food Restaurant with Drive Thru	0.06233	0.03116	0.56660	0.47594	0.00340	0.04306	—	0.04306	0.04306	—	0.04306	—	676.046	676.046	0.05983	0.00127	—	677.921
Automobile Care Center	0.00496	0.00248	0.04512	0.03790	0.00027	0.00343	—	0.00343	0.00343	—	0.00343	—	53.8372	53.8372	0.00476	0.00010	—	53.9865
Unrefrigerated Warehouse-No Rail	0.00630	0.00315	0.05731	0.04814	0.00034	0.00436	—	0.00436	0.00436	—	0.00436	—	68.3807	68.3807	0.00605	0.00013	—	68.5703
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.15569	0.07784	1.41534	1.18888	0.00849	0.10757	—	0.10757	0.10757	—	0.10757	—	1,688.73	1,688.73	0.14945	0.00318	—	1,693.42
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.01294	0.00647	0.11763	0.09881	0.00071	0.00894	—	0.00894	0.00894	—	0.00894	—	127.324	127.324	0.01127	0.00024	—	127.677
Medical Office Building	0.00197	0.00098	0.01787	0.01501	0.00011	0.00136	—	0.00136	0.00136	—	0.00136	—	19.3459	19.3459	0.00171	0.00004	—	19.3995
Convenience Market with Gas Pumps	0.00008	0.00004	0.00070	0.00059	< 0.000005	0.00005	—	0.00005	0.00005	—	0.00005	—	0.75758	0.75758	0.00007	< 0.000005	—	0.75968

Fast Food Restaurant with Drive Thru	0.01137	0.00569	0.10340	0.08686	0.00062	0.00786	—	0.00786	0.00786	—	0.00786	—	111.927	111.927	0.00991	0.00021	—	112.238
Automobile Care Center	0.00091	0.00045	0.00823	0.00692	0.00005	0.00063	—	0.00063	0.00063	—	0.00063	—	8.91336	8.91336	0.00079	0.00002	—	8.93809
Unrefrigerated Warehouse-No Rail	0.00115	0.00058	0.01046	0.00879	0.00006	0.00079	—	0.00079	0.00079	—	0.00079	—	11.3212	11.3212	0.00100	0.00002	—	11.3526
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.02841	0.01421	0.25830	0.21697	0.00155	0.01963	—	0.01963	0.01963	—	0.01963	—	279.589	279.589	0.02474	0.00053	—	280.365

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	6.85515	6.85515	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	0.49947	0.49947	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.44133	2.25297	0.11551	13.7243	0.00082	0.02439	—	0.02439	0.01843	—	0.01843	—	56.4402	56.4402	0.00237	0.00048	—	56.6437
Total	9.79595	9.60758	0.11551	13.7243	0.00082	0.02439	—	0.02439	0.01843	—	0.01843	—	56.4402	56.4402	0.00237	0.00048	—	56.6437
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	6.85515	6.85515	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.49947	0.49947	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	7.35462	7.35462	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.25106	1.25106	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.09115	0.09115	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.21972	0.20277	0.01040	1.23519	0.00007	0.00220	—	0.00220	0.00166	—	0.00166	—	4.60816	4.60816	0.00019	0.00004	—	4.62478
Total	1.56194	1.54498	0.01040	1.23519	0.00007	0.00220	—	0.00220	0.00166	—	0.00166	—	4.60816	4.60816	0.00019	0.00004	—	4.62478

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	6.85515	6.85515	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.37540	0.37540	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	7.23055	7.23055	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	6.85515	6.85515	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.37540	0.37540	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	7.23055	7.23055	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.25106	1.25106	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.06851	0.06851	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	1.31958	1.31958	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	83.3793	95.7870	179.166	8.56508	0.20501	—	454.387
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	83.3793	95.7870	179.166	8.56508	0.20501	—	454.387
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	83.3793	95.7870	179.166	8.56508	0.20501	—	454.387
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	83.3793	95.7870	179.166	8.56508	0.20501	—	454.387
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	13.8044	15.8586	29.6630	1.41805	0.03394	—	75.2290
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Unrefrig Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	13.8044	15.8586	29.6630	1.41805	0.03394	—	75.2290

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	83.3793	95.7870	179.166	8.56508	0.20501	—	454.387
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	83.3793	95.7870	179.166	8.56508	0.20501	—	454.387
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	83.3793	95.7870	179.166	8.56508	0.20501	—	454.387
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	83.3793	95.7870	179.166	8.56508	0.20501	—	454.387
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	13.8044	15.8586	29.6630	1.41805	0.03394	—	75.2290
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	13.8044	15.8586	29.6630	1.41805	0.03394	—	75.2290

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	138.671	0.00000	138.671	13.8597	0.00000	—	485.162
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	53.1357	0.00000	53.1357	5.31072	0.00000	—	185.904
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	9.13479	0.00000	9.13479	0.91299	0.00000	—	31.9595
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	104.735	0.00000	104.735	10.4679	0.00000	—	366.432
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	8.44086	0.00000	8.44086	0.84363	0.00000	—	29.5317
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	20.2641	0.00000	20.2641	2.02532	0.00000	—	70.8972
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Total	—	—	—	—	—	—	—	—	—	—	—	334.381	0.00000	334.381	33.4202	0.00000	—	1,169.89
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	138.671	0.00000	138.671	13.8597	0.00000	—	485.162
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	53.1357	0.00000	53.1357	5.31072	0.00000	—	185.904
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	9.13479	0.00000	9.13479	0.91299	0.00000	—	31.9595
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	104.735	0.00000	104.735	10.4679	0.00000	—	366.432
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	8.44086	0.00000	8.44086	0.84363	0.00000	—	29.5317
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	20.2641	0.00000	20.2641	2.02532	0.00000	—	70.8972
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	334.381	0.00000	334.381	33.4202	0.00000	—	1,169.89
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	22.9585	0.00000	22.9585	2.29462	0.00000	—	80.3241
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	8.79722	0.00000	8.79722	0.87925	0.00000	—	30.7785
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	1.51237	0.00000	1.51237	0.15116	0.00000	—	5.29126
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	17.3401	0.00000	17.3401	1.73308	0.00000	—	60.6671
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	1.39748	0.00000	1.39748	0.13967	0.00000	—	4.88931
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	3.35495	0.00000	3.35495	0.33532	0.00000	—	11.7378
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	55.3606	0.00000	55.3606	5.53310	0.00000	—	193.688

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	138.671	0.00000	138.671	13.8597	0.00000	—	485.162
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	53.1357	0.00000	53.1357	5.31072	0.00000	—	185.904
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	9.13479	0.00000	9.13479	0.91299	0.00000	—	31.9595
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	104.735	0.00000	104.735	10.4679	0.00000	—	366.432
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	8.44086	0.00000	8.44086	0.84363	0.00000	—	29.5317

Unrefrigerated Wareho Rail	—	—	—	—	—	—	—	—	—	—	—	20.2641	0.00000	20.2641	2.02532	0.00000	—	70.8972
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	334.381	0.00000	334.381	33.4202	0.00000	—	1,169.89
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	138.671	0.00000	138.671	13.8597	0.00000	—	485.162
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	53.1357	0.00000	53.1357	5.31072	0.00000	—	185.904
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	9.13479	0.00000	9.13479	0.91299	0.00000	—	31.9595
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	104.735	0.00000	104.735	10.4679	0.00000	—	366.432
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	8.44086	0.00000	8.44086	0.84363	0.00000	—	29.5317

Unrefrig Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	20.2641	0.00000	20.2641	2.02532	0.00000	—	70.8972
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	334.381	0.00000	334.381	33.4202	0.00000	—	1,169.89
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	22.9585	0.00000	22.9585	2.29462	0.00000	—	80.3241
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	8.79722	0.00000	8.79722	0.87925	0.00000	—	30.7785
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	1.51237	0.00000	1.51237	0.15116	0.00000	—	5.29126
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	17.3401	0.00000	17.3401	1.73308	0.00000	—	60.6671
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	1.39748	0.00000	1.39748	0.13967	0.00000	—	4.88931

Unrefrigerated Wareho Rail	—	—	—	—	—	—	—	—	—	—	—	3.35495	0.00000	3.35495	0.33532	0.00000	—	11.7378
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	55.3606	0.00000	55.3606	5.53310	0.00000	—	193.688

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.17640	1.17640
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23326	0.23326
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	88.7327	88.7327

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	26.3737	26.3737
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00640	0.00640
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.522	116.522
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.17640	1.17640
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23326	0.23326
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	88.7327	88.7327
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	26.3737	26.3737
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00640	0.00640
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.522	116.522
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Regiona Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19477	0.19477
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03862	0.03862
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14.6907	14.6907
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.36646	4.36646
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00106	0.00106
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.2916	19.2916

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.17640	1.17640

Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23326	0.23326
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	88.7327	88.7327
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	26.3737	26.3737
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00640	0.00640
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.522	116.522
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.17640	1.17640
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23326	0.23326
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	88.7327	88.7327

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	26.3737	26.3737
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00640	0.00640
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.522	116.522
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19477	0.19477
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03862	0.03862
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14.6907	14.6907
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.36646	4.36646
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00106	0.00106
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.2916	19.2916

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Regional Shopping Center	8,894.00	8,858.85	3,663.66	2,971,752	35,005.7	34,867.3	14,419.7	11,696,450
Medical Office Building	200.600	22.0800	2.73600	53,593.3	789.537	86.9042	10.7686	210,936
Convenience Market with Gas Pumps	9,278.36	9,236.50	9,236.50	3,382,236	36,518.5	36,353.7	36,353.7	13,312,064
Fast Food Restaurant with Drive Thru	4,917.90	6,613.50	4,193.58	1,845,679	19,356.2	26,029.9	16,505.4	7,264,364
Automobile Care Center	422.000	442.260	442.260	156,143	1,660.94	1,740.68	1,740.68	614,559

Unrefrigerated Warehouse-No Rail	47.3200	50.9600	36.4000	16,892.2	186.246	200.572	143.266	66,485.6
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Regional Shopping Center	8,894.00	8,858.85	3,663.66	2,971,752	35,005.7	34,867.3	14,419.7	11,696,450
Medical Office Building	200.600	22.0800	2.73600	53,593.3	789.537	86.9042	10.7686	210,936
Convenience Market with Gas Pumps	9,278.36	9,236.50	9,236.50	3,382,236	36,518.5	36,353.7	36,353.7	13,312,064
Fast Food Restaurant with Drive Thru	4,917.90	6,613.50	4,193.58	1,845,679	19,356.2	26,029.9	16,505.4	7,264,364
Automobile Care Center	422.000	442.260	442.260	156,143	1,660.94	1,740.68	1,740.68	614,559
Unrefrigerated Warehouse-No Rail	47.3200	50.9600	36.4000	16,892.2	186.246	200.572	143.266	66,485.6
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Regional Shopping Center	Wood Fireplaces	0	0
Regional Shopping Center	Gas Fireplaces	0	0
Regional Shopping Center	Propane Fireplaces	0	0
Regional Shopping Center	Electric Fireplaces	0	0
Regional Shopping Center	No Fireplaces	0	0
Regional Shopping Center	Conventional Wood Stoves	0	0
Regional Shopping Center	Catalytic Wood Stoves	0	0
Regional Shopping Center	Non-Catalytic Wood Stoves	0	0
Regional Shopping Center	Pellet Wood Stoves	0	0
Medical Office Building	Wood Fireplaces	0	0
Medical Office Building	Gas Fireplaces	0	0
Medical Office Building	Propane Fireplaces	0	0
Medical Office Building	Electric Fireplaces	0	0
Medical Office Building	No Fireplaces	0	0
Medical Office Building	Conventional Wood Stoves	0	0
Medical Office Building	Catalytic Wood Stoves	0	0
Medical Office Building	Non-Catalytic Wood Stoves	0	0
Medical Office Building	Pellet Wood Stoves	0	0
Convenience Market with Gas Pumps	Wood Fireplaces	0	0
Convenience Market with Gas Pumps	Gas Fireplaces	0	0
Convenience Market with Gas Pumps	Propane Fireplaces	0	0
Convenience Market with Gas Pumps	Electric Fireplaces	0	0
Convenience Market with Gas Pumps	No Fireplaces	0	0
Convenience Market with Gas Pumps	Conventional Wood Stoves	0	0
Convenience Market with Gas Pumps	Catalytic Wood Stoves	0	0
Convenience Market with Gas Pumps	Non-Catalytic Wood Stoves	0	0
Convenience Market with Gas Pumps	Pellet Wood Stoves	0	0

Fast Food Restaurant with Drive Thru	Wood Fireplaces	0	0
Fast Food Restaurant with Drive Thru	Gas Fireplaces	0	0
Fast Food Restaurant with Drive Thru	Propane Fireplaces	0	0
Fast Food Restaurant with Drive Thru	Electric Fireplaces	0	0
Fast Food Restaurant with Drive Thru	No Fireplaces	0	0
Fast Food Restaurant with Drive Thru	Conventional Wood Stoves	0	0
Fast Food Restaurant with Drive Thru	Catalytic Wood Stoves	0	0
Fast Food Restaurant with Drive Thru	Non-Catalytic Wood Stoves	0	0
Fast Food Restaurant with Drive Thru	Pellet Wood Stoves	0	0
Automobile Care Center	Wood Fireplaces	0	0
Automobile Care Center	Gas Fireplaces	0	0
Automobile Care Center	Propane Fireplaces	0	0
Automobile Care Center	Electric Fireplaces	0	0
Automobile Care Center	No Fireplaces	0	0
Automobile Care Center	Conventional Wood Stoves	0	0
Automobile Care Center	Catalytic Wood Stoves	0	0
Automobile Care Center	Non-Catalytic Wood Stoves	0	0
Automobile Care Center	Pellet Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Wood Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Gas Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Propane Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Electric Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	No Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Conventional Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Catalytic Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Non-Catalytic Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Pellet Wood Stoves	0	0
Parking Lot	Wood Fireplaces	0	0

Parking Lot	Gas Fireplaces	0	0
Parking Lot	Propane Fireplaces	0	0
Parking Lot	Electric Fireplaces	0	0
Parking Lot	No Fireplaces	0	0
Parking Lot	Conventional Wood Stoves	0	0
Parking Lot	Catalytic Wood Stoves	0	0
Parking Lot	Non-Catalytic Wood Stoves	0	0
Parking Lot	Pellet Wood Stoves	0	0
Other Asphalt Surfaces	Wood Fireplaces	0	0
Other Asphalt Surfaces	Gas Fireplaces	0	0
Other Asphalt Surfaces	Propane Fireplaces	0	0
Other Asphalt Surfaces	Electric Fireplaces	0	0
Other Asphalt Surfaces	No Fireplaces	0	0
Other Asphalt Surfaces	Conventional Wood Stoves	0	0
Other Asphalt Surfaces	Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Non-Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Pellet Wood Stoves	0	0
Other Non-Asphalt Surfaces	Wood Fireplaces	0	0
Other Non-Asphalt Surfaces	Gas Fireplaces	0	0
Other Non-Asphalt Surfaces	Propane Fireplaces	0	0
Other Non-Asphalt Surfaces	Electric Fireplaces	0	0
Other Non-Asphalt Surfaces	No Fireplaces	0	0
Other Non-Asphalt Surfaces	Conventional Wood Stoves	0	0
Other Non-Asphalt Surfaces	Catalytic Wood Stoves	0	0
Other Non-Asphalt Surfaces	Non-Catalytic Wood Stoves	0	0
Other Non-Asphalt Surfaces	Pellet Wood Stoves	0	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0.00000	0.00000	473,369	157,790	77,631.1

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	180.000

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	180.000

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Regional Shopping Center	1,652,430	203.983	0.0330	0.0040	2,399,623
Medical Office Building	214,042	203.983	0.0330	0.0040	364,604
Convenience Market with Gas Pumps	25,106.0	203.983	0.0330	0.0040	14,277.8
Fast Food Restaurant with Drive Thru	753,849	203.983	0.0330	0.0040	2,109,444
Automobile Care Center	48,642.9	203.983	0.0330	0.0040	167,987
Unrefrigerated Warehouse-No Rail	429,593	203.983	0.0330	0.0040	213,366
Parking Lot	770,803	203.983	0.0330	0.0040	0.00000

Other Asphalt Surfaces	0.00000	203.983	0.0330	0.0040	0.00000
Other Non-Asphalt Surfaces	0.00000	203.983	0.0330	0.0040	0.00000

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Regional Shopping Center	1,652,430	203.983	0.0330	0.0040	2,399,623
Medical Office Building	214,042	203.983	0.0330	0.0040	364,604
Convenience Market with Gas Pumps	25,106.0	203.983	0.0330	0.0040	14,277.8
Fast Food Restaurant with Drive Thru	753,849	203.983	0.0330	0.0040	2,109,444
Automobile Care Center	48,642.9	203.983	0.0330	0.0040	167,987
Unrefrigerated Warehouse-No Rail	429,593	203.983	0.0330	0.0040	213,366
Parking Lot	770,803	203.983	0.0330	0.0040	0.00000
Other Asphalt Surfaces	0.00000	203.983	0.0330	0.0040	0.00000
Other Non-Asphalt Surfaces	0.00000	203.983	0.0330	0.0040	0.00000

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Regional Shopping Center	43,512,007	0.00000
Medical Office Building	0.00000	0.00000
Convenience Market with Gas Pumps	0.00000	0.00000
Fast Food Restaurant with Drive Thru	0.00000	0.00000
Automobile Care Center	0.00000	0.00000
Unrefrigerated Warehouse-No Rail	0.00000	0.00000

Parking Lot	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Regional Shopping Center	43,512,007	0.00000
Medical Office Building	0.00000	0.00000
Convenience Market with Gas Pumps	0.00000	0.00000
Fast Food Restaurant with Drive Thru	0.00000	0.00000
Automobile Care Center	0.00000	0.00000
Unrefrigerated Warehouse-No Rail	0.00000	0.00000
Parking Lot	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Regional Shopping Center	257.304	0.00000
Medical Office Building	98.5932	0.00000
Convenience Market with Gas Pumps	16.9496	0.00000
Fast Food Restaurant with Drive Thru	194.336	0.00000
Automobile Care Center	15.6620	0.00000
Unrefrigerated Warehouse-No Rail	37.6000	0.00000
Parking Lot	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000

Other Non-Asphalt Surfaces	0.00000	0.00000

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Regional Shopping Center	257.304	0.00000
Medical Office Building	98.5932	0.00000
Convenience Market with Gas Pumps	16.9496	0.00000
Fast Food Restaurant with Drive Thru	194.336	0.00000
Automobile Care Center	15.6620	0.00000
Unrefrigerated Warehouse-No Rail	37.6000	0.00000
Parking Lot	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430.00	0.03750	1.000000	0.00000	1.000000
Medical Office Building	Household refrigerators and/or freezers	R-134a	1,430.00	0.45455	0.60000	0.00000	1.000000
Medical Office Building	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00230	4.00000	4.00000	18.0000
Convenience Market with Gas Pumps	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000

Convenience Market with Gas Pumps	Supermarket refrigeration and condensing units	R-404A	3,922.00	26.5200	16.5000	16.5000	18.0000
Fast Food Restaurant with Drive Thru	Household refrigerators and/or freezers	R-134a	1,430.00	0.00000	0.60000	0.00000	1.000000
Fast Food Restaurant with Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088.00	1.80000	4.00000	4.00000	18.0000
Fast Food Restaurant with Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922.00	0.00040	7.50000	7.50000	20.0000
Automobile Care Center	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000

5.14.2. Mitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430.00	0.03750	1.000000	0.00000	1.000000
Medical Office Building	Household refrigerators and/or freezers	R-134a	1,430.00	0.45455	0.60000	0.00000	1.000000
Medical Office Building	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00230	4.00000	4.00000	18.0000
Convenience Market with Gas Pumps	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Convenience Market with Gas Pumps	Supermarket refrigeration and condensing units	R-404A	3,922.00	26.5200	16.5000	16.5000	18.0000
Fast Food Restaurant with Drive Thru	Household refrigerators and/or freezers	R-134a	1,430.00	0.00000	0.60000	0.00000	1.000000
Fast Food Restaurant with Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088.00	1.80000	4.00000	4.00000	18.0000

Fast Food Restaurant with Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922.00	0.00040	7.50000	7.50000	20.0000
Automobile Care Center	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	20.0600	annual days of extreme heat
Extreme Precipitation	0.00000	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00000	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	1	1	1	2
Drought	1	1	1	2

Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	—
AQ-PM	—
AQ-DPM	—
Drinking Water	—
Lead Risk Housing	—
Pesticides	—
Toxic Releases	—
Traffic	—
Effect Indicators	—
CleanUp Sites	—
Groundwater	—
Haz Waste Facilities/Generators	—
Impaired Water Bodies	—
Solid Waste	—

Sensitive Population	—
Asthma	—
Cardio-vascular	—
Low Birth Weights	—
Socioeconomic Factor Indicators	—
Education	—
Housing	—
Linguistic	—
Poverty	—
Unemployment	—

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	—
Employed	—
Median HI	—
Education	—
Bachelor's or higher	—
High school enrollment	—
Preschool enrollment	—
Transportation	—
Auto Access	—
Active commuting	—
Social	—
2-parent households	—
Voting	—

Neighborhood	—
Alcohol availability	—
Park access	—
Retail density	—
Supermarket access	—
Tree canopy	—
Housing	—
Homeownership	—
Housing habitability	—
Low-inc homeowner severe housing cost burden	—
Low-inc renter severe housing cost burden	—
Uncrowded housing	—
Health Outcomes	—
Insured adults	—
Arthritis	—
Asthma ER Admissions	—
High Blood Pressure	—
Cancer (excluding skin)	—
Asthma	—
Coronary Heart Disease	—
Chronic Obstructive Pulmonary Disease	—
Diagnosed Diabetes	—
Life Expectancy at Birth	—
Cognitively Disabled	—
Physically Disabled	—
Heart Attack ER Admissions	—
Mental Health Not Good	—
Chronic Kidney Disease	—

Obesity	—
Pedestrian Injuries	—
Physical Health Not Good	—
Stroke	—
Health Risk Behaviors	—
Binge Drinking	—
Current Smoker	—
No Leisure Time for Physical Activity	—
Climate Change Exposures	—
Wildfire Risk	—
SLR Inundation Area	—
Children	—
Elderly	—
English Speaking	—
Foreign-born	—
Outdoor Workers	—
Climate Change Adaptive Capacity	—
Impervious Surface Cover	—
Traffic Density	—
Traffic Access	—
Other Indices	—
Hardship	—
Other Decision Support	—
2016 Voting	—

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	—

Healthy Places Index Score for Project Location (b)	—
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Land Use	Based on information provided.
Operations: Vehicle Data	Based on information provided by the project traffic consultant.
Operations: Fleet Mix	Based on information provided by the traffic consultant.
Operations: Energy Use	The estimated 935,329 kWh/yr of renewable electricity generated from onsite PV system for Phase 1 is subtracted from the Title 24 electricity default total.
Operations: Water and Waste Water	Based on the full buildout demand from the Water Supply and Demand Analysis Coffee and Rosedale Commercial Retail Development Project study prepared by PlaceWorks. For purposes of modeling, all project water demand is assigned to the Regional Shopping Center land use.

8.2. Project Characteristics

8.2.1. Project Details

Model Parameter	Default Value	New Value
Windspeed (m/s)	—	1.000000

8.3. Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	acre	5.62560	5.63000
Landscape Area	sq. ft	—	328,275
Special Landscape Area	sq. ft	—	0.00000
Lot Area	acre	0.12964	0.01000
Building Area	sq. ft	5,647.00	428.000
Landscape Area	sq. ft	—	0.00000
Lot Area	acre	0.00900	20.2000
Landscape Area	sq. ft	—	0.00000

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

Land Use	Model Parameter	Units	Default Value	New Value
Regional Shopping Center	Weekday Trip Rate	size/day	37.7500	36.2945
Regional Shopping Center	Saturday Trip Rate	size/day	46.1200	36.1510
Regional Shopping Center	Sunday Trip Rate	size/day	21.1000	14.9506
Regional Shopping Center	Non-Res H-W Trip Length	miles	8.50253	3.93588
Regional Shopping Center	Non-Res W-O Trip Length	miles	4.80598	0.00000
Regional Shopping Center	Non-Res O-O Trip Length	miles	5.08225	0.00000

Regional Shopping Center	Weekday Primary Trip	%	37.9200	100.0000
Regional Shopping Center	Weekday Divert Trip	%	28.0800	0.00000
Regional Shopping Center	Weekday Pass-By Trip	%	34.0000	0.00000
Regional Shopping Center	Saturday Primary Trip	%	42.5100	100.0000
Regional Shopping Center	Saturday Divert Trip	%	31.4900	0.00000
Regional Shopping Center	Saturday Pass-By Trip	%	26.0000	0.00000
Regional Shopping Center	Sunday Primary Trip	%	42.5100	100.0000
Regional Shopping Center	Sunday Divert Trip	%	31.4900	0.00000
Regional Shopping Center	Sunday Pass-By Trip	%	26.0000	0.00000
Regional Shopping Center	Non-Res H-W Trip	%	31.7132	100.0000
Regional Shopping Center	Non-Res W-O Trip	%	14.8513	0.00000
Regional Shopping Center	Non-Res O-O Trip	%	53.4356	0.00000
Medical Office Building	Weekday Trip Rate	size/day	34.8000	21.9739
Medical Office Building	Saturday Trip Rate	size/day	8.57000	2.41867
Medical Office Building	Sunday Trip Rate	size/day	1.42000	0.29970
Medical Office Building	Non-Res H-W Trip Length	miles	8.50253	3.93588
Medical Office Building	Non-Res W-O Trip Length	miles	4.80598	0.00000
Medical Office Building	Non-Res O-O Trip Length	miles	5.08225	0.00000
Medical Office Building	Non-Res H-W Trip	%	31.7132	100.0000
Medical Office Building	Non-Res W-O Trip	%	14.8513	0.00000
Medical Office Building	Non-Res O-O Trip	%	53.4356	0.00000
Convenience Market with Gas Pumps	Weekday Trip Rate	size/day	322.500	231.959
Convenience Market with Gas Pumps	Saturday Trip Rate	size/day	322.500	230.912
Convenience Market with Gas Pumps	Sunday Trip Rate	size/day	322.500	230.912
Convenience Market with Gas Pumps	Non-Res H-W Trip Length	miles	8.50253	3.93588

Convenience Market with Gas Pumps	Non-Res W-O Trip Length	miles	4.80598	0.00000
Convenience Market with Gas Pumps	Non-Res O-O Trip Length	miles	5.08225	0.00000
Convenience Market with Gas Pumps	Weekday Primary Trip	%	14.2400	100.0000
Convenience Market with Gas Pumps	Weekday Divert Trip	%	21.2600	0.00000
Convenience Market with Gas Pumps	Weekday Pass-By Trip	%	64.5000	0.00000
Convenience Market with Gas Pumps	Non-Res H-W Trip	%	31.7132	100.0000
Convenience Market with Gas Pumps	Non-Res W-O Trip	%	14.8513	0.00000
Convenience Market with Gas Pumps	Non-Res O-O Trip	%	53.4356	0.00000
Fast Food Restaurant with Drive Thru	Weekday Trip Rate	size/day	470.950	291.500
Fast Food Restaurant with Drive Thru	Saturday Trip Rate	size/day	616.120	392.004
Fast Food Restaurant with Drive Thru	Sunday Trip Rate	size/day	472.580	248.567
Fast Food Restaurant with Drive Thru	Non-Res H-W Trip Length	miles	8.50253	3.93588
Fast Food Restaurant with Drive Thru	Non-Res W-O Trip Length	miles	4.80598	0.00000
Fast Food Restaurant with Drive Thru	Non-Res O-O Trip Length	miles	5.08225	0.00000
Fast Food Restaurant with Drive Thru	Weekday Primary Trip	%	26.5000	100.0000
Fast Food Restaurant with Drive Thru	Weekday Divert Trip	%	24.0000	0.00000
Fast Food Restaurant with Drive Thru	Weekday Pass-By Trip	%	49.5000	0.00000

Fast Food Restaurant with Drive Thru	Non-Res H-W Trip	%	31.7132	100.0000
Fast Food Restaurant with Drive Thru	Non-Res W-O Trip	%	14.8513	0.00000
Fast Food Restaurant with Drive Thru	Non-Res O-O Trip	%	53.4356	0.00000
Automobile Care Center	Weekday Trip Rate	size/day	23.7200	102.927
Automobile Care Center	Saturday Trip Rate	size/day	23.7200	107.868
Automobile Care Center	Sunday Trip Rate	size/day	11.8800	107.868
Automobile Care Center	Non-Res H-W Trip Length	miles	8.50253	3.93588
Automobile Care Center	Non-Res W-O Trip Length	miles	4.80598	0.00000
Automobile Care Center	Non-Res O-O Trip Length	miles	5.08225	0.00000
Automobile Care Center	Weekday Primary Trip	%	53.3000	100.0000
Automobile Care Center	Weekday Divert Trip	%	11.2000	0.00000
Automobile Care Center	Weekday Pass-By Trip	%	35.5000	0.00000
Automobile Care Center	Non-Res H-W Trip	%	31.7132	100.0000
Automobile Care Center	Non-Res W-O Trip	%	14.8513	0.00000
Automobile Care Center	Non-Res O-O Trip	%	53.4356	0.00000
Unrefrigerated Warehouse-No Rail	Weekday Trip Rate	size/day	1.74000	1.18300
Unrefrigerated Warehouse-No Rail	Saturday Trip Rate	size/day	1.74000	1.27400
Unrefrigerated Warehouse-No Rail	Sunday Trip Rate	size/day	1.74000	0.91000
Unrefrigerated Warehouse-No Rail	Non-Res H-W Trip Length	miles	8.50253	3.93588
Unrefrigerated Warehouse-No Rail	Non-Res W-O Trip Length	miles	4.80598	0.00000
Unrefrigerated Warehouse-No Rail	Non-Res O-O Trip Length	miles	5.08225	0.00000
Unrefrigerated Warehouse-No Rail	Non-Res H-W Trip	%	31.7132	100.0000
Unrefrigerated Warehouse-No Rail	Non-Res W-O Trip	%	14.8513	0.00000
Unrefrigerated Warehouse-No Rail	Non-Res O-O Trip	%	53.4356	0.00000
Parking Lot	Non-Res H-W Trip	%	31.7132	100.0000
Parking Lot	Non-Res W-O Trip	%	14.8513	0.00000

Parking Lot	Non-Res O-O Trip	%	53.4356	0.00000
Other Asphalt Surfaces	Non-Res H-W Trip	%	31.7132	100.0000
Other Asphalt Surfaces	Non-Res W-O Trip	%	14.8513	0.00000
Other Asphalt Surfaces	Non-Res O-O Trip	%	53.4356	0.00000
Other Non-Asphalt Surfaces	Non-Res H-W Trip	%	31.7132	100.0000
Other Non-Asphalt Surfaces	Non-Res W-O Trip	%	14.8513	0.00000
Other Non-Asphalt Surfaces	Non-Res O-O Trip	%	53.4356	0.00000

8.5.1.2. Fleet Mix

Land Use	Season	Model Parameter	Units	Default Value	New Value
Regional Shopping Center	A	Heavy-Heavy-Duty Trucks	%	4%	1%
Regional Shopping Center	A	Passenger Cars	%	43%	43%
Regional Shopping Center	A	Light-Duty Trucks 1	%	4%	4%
Regional Shopping Center	A	Light-Duty Trucks 2	%	21%	21%
Regional Shopping Center	A	Light Heavy-Duty Trucks 1	%	4%	5%
Regional Shopping Center	A	Light Heavy-Duty Trucks 2	%	1%	2%
Regional Shopping Center	A	Motorcycles	%	2%	2%
Regional Shopping Center	A	Medium-Duty Trucks	%	19%	19%
Regional Shopping Center	A	Motor Homes	%	< 0.5%	0%
Regional Shopping Center	A	Medium-Heavy-Duty Trucks	%	2%	3%
Regional Shopping Center	A	Other Buses	%	< 0.5%	0%
Regional Shopping Center	A	School Buses	%	< 0.5%	0%
Regional Shopping Center	A	Urban Buses	%	< 0.5%	0%
Regional Shopping Center	S	Heavy-Heavy-Duty Trucks	%	4%	1%
Regional Shopping Center	S	Passenger Cars	%	43%	43%
Regional Shopping Center	S	Light-Duty Trucks 1	%	4%	4%
Regional Shopping Center	S	Light-Duty Trucks 2	%	21%	21%
Regional Shopping Center	S	Light Heavy-Duty Trucks 1	%	4%	5%

Regional Shopping Center	S	Light Heavy-Duty Trucks 2	%	1%	2%
Regional Shopping Center	S	Motorcycles	%	2%	2%
Regional Shopping Center	S	Medium-Duty Trucks	%	19%	19%
Regional Shopping Center	S	Motor Homes	%	< 0.5%	0%
Regional Shopping Center	S	Medium-Heavy-Duty Trucks	%	2%	3%
Regional Shopping Center	S	Other Buses	%	< 0.5%	0%
Regional Shopping Center	S	School Buses	%	< 0.5%	0%
Regional Shopping Center	S	Urban Buses	%	< 0.5%	0%
Regional Shopping Center	W	Heavy-Heavy-Duty Trucks	%	4%	1%
Regional Shopping Center	W	Passenger Cars	%	43%	43%
Regional Shopping Center	W	Light-Duty Trucks 1	%	4%	4%
Regional Shopping Center	W	Light-Duty Trucks 2	%	21%	21%
Regional Shopping Center	W	Light Heavy-Duty Trucks 1	%	4%	5%
Regional Shopping Center	W	Light Heavy-Duty Trucks 2	%	1%	2%
Regional Shopping Center	W	Motorcycles	%	2%	2%
Regional Shopping Center	W	Medium-Duty Trucks	%	19%	19%
Regional Shopping Center	W	Motor Homes	%	< 0.5%	0%
Regional Shopping Center	W	Medium-Heavy-Duty Trucks	%	2%	3%
Regional Shopping Center	W	Other Buses	%	< 0.5%	0%
Regional Shopping Center	W	School Buses	%	< 0.5%	0%
Regional Shopping Center	W	Urban Buses	%	< 0.5%	0%
Medical Office Building	A	Heavy-Heavy-Duty Trucks	%	4%	1%
Medical Office Building	A	Passenger Cars	%	43%	43%
Medical Office Building	A	Light-Duty Trucks 1	%	4%	4%
Medical Office Building	A	Light-Duty Trucks 2	%	21%	21%
Medical Office Building	A	Light Heavy-Duty Trucks 1	%	4%	5%
Medical Office Building	A	Light Heavy-Duty Trucks 2	%	1%	2%
Medical Office Building	A	Motorcycles	%	2%	2%

Medical Office Building	A	Medium-Duty Trucks	%	19%	19%
Medical Office Building	A	Motor Homes	%	< 0.5%	0%
Medical Office Building	A	Medium-Heavy-Duty Trucks	%	2%	3%
Medical Office Building	A	Other Buses	%	< 0.5%	0%
Medical Office Building	A	School Buses	%	< 0.5%	0%
Medical Office Building	A	Urban Buses	%	< 0.5%	0%
Medical Office Building	S	Heavy-Heavy-Duty Trucks	%	4%	1%
Medical Office Building	S	Passenger Cars	%	43%	43%
Medical Office Building	S	Light-Duty Trucks 1	%	4%	4%
Medical Office Building	S	Light-Duty Trucks 2	%	21%	21%
Medical Office Building	S	Light Heavy-Duty Trucks 1	%	4%	5%
Medical Office Building	S	Light Heavy-Duty Trucks 2	%	1%	2%
Medical Office Building	S	Motorcycles	%	2%	2%
Medical Office Building	S	Medium-Duty Trucks	%	19%	19%
Medical Office Building	S	Motor Homes	%	< 0.5%	0%
Medical Office Building	S	Medium-Heavy-Duty Trucks	%	2%	3%
Medical Office Building	S	Other Buses	%	< 0.5%	0%
Medical Office Building	S	School Buses	%	< 0.5%	0%
Medical Office Building	S	Urban Buses	%	< 0.5%	0%
Medical Office Building	W	Heavy-Heavy-Duty Trucks	%	4%	1%
Medical Office Building	W	Passenger Cars	%	43%	43%
Medical Office Building	W	Light-Duty Trucks 1	%	4%	4%
Medical Office Building	W	Light-Duty Trucks 2	%	21%	21%
Medical Office Building	W	Light Heavy-Duty Trucks 1	%	4%	5%
Medical Office Building	W	Light Heavy-Duty Trucks 2	%	1%	2%
Medical Office Building	W	Motorcycles	%	2%	2%
Medical Office Building	W	Medium-Duty Trucks	%	19%	19%
Medical Office Building	W	Motor Homes	%	< 0.5%	0%

Medical Office Building	W	Medium-Heavy-Duty Trucks	%	2%	3%
Medical Office Building	W	Other Buses	%	< 0.5%	0%
Medical Office Building	W	School Buses	%	< 0.5%	0%
Medical Office Building	W	Urban Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	A	Heavy-Heavy-Duty Trucks	%	4%	1%
Convenience Market with Gas Pumps	A	Passenger Cars	%	43%	43%
Convenience Market with Gas Pumps	A	Light-Duty Trucks 1	%	4%	4%
Convenience Market with Gas Pumps	A	Light-Duty Trucks 2	%	21%	21%
Convenience Market with Gas Pumps	A	Light Heavy-Duty Trucks 1	%	4%	5%
Convenience Market with Gas Pumps	A	Light Heavy-Duty Trucks 2	%	1%	2%
Convenience Market with Gas Pumps	A	Motorcycles	%	2%	2%
Convenience Market with Gas Pumps	A	Medium-Duty Trucks	%	19%	19%
Convenience Market with Gas Pumps	A	Motor Homes	%	< 0.5%	0%
Convenience Market with Gas Pumps	A	Medium-Heavy-Duty Trucks	%	2%	3%
Convenience Market with Gas Pumps	A	Other Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	A	School Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	A	Urban Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	S	Heavy-Heavy-Duty Trucks	%	4%	1%
Convenience Market with Gas Pumps	S	Passenger Cars	%	43%	43%

Convenience Market with Gas Pumps	S	Light-Duty Trucks 1	%	4%	4%
Convenience Market with Gas Pumps	S	Light-Duty Trucks 2	%	21%	21%
Convenience Market with Gas Pumps	S	Light Heavy-Duty Trucks 1	%	4%	5%
Convenience Market with Gas Pumps	S	Light Heavy-Duty Trucks 2	%	1%	2%
Convenience Market with Gas Pumps	S	Motorcycles	%	2%	2%
Convenience Market with Gas Pumps	S	Medium-Duty Trucks	%	19%	19%
Convenience Market with Gas Pumps	S	Motor Homes	%	< 0.5%	0%
Convenience Market with Gas Pumps	S	Medium-Heavy-Duty Trucks	%	2%	3%
Convenience Market with Gas Pumps	S	Other Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	S	School Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	S	Urban Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	W	Heavy-Heavy-Duty Trucks	%	4%	1%
Convenience Market with Gas Pumps	W	Passenger Cars	%	43%	43%
Convenience Market with Gas Pumps	W	Light-Duty Trucks 1	%	4%	4%
Convenience Market with Gas Pumps	W	Light-Duty Trucks 2	%	21%	21%
Convenience Market with Gas Pumps	W	Light Heavy-Duty Trucks 1	%	4%	5%
Convenience Market with Gas Pumps	W	Light Heavy-Duty Trucks 2	%	1%	2%

Convenience Market with Gas Pumps	W	Motorcycles	%	2%	2%
Convenience Market with Gas Pumps	W	Medium-Duty Trucks	%	19%	19%
Convenience Market with Gas Pumps	W	Motor Homes	%	< 0.5%	0%
Convenience Market with Gas Pumps	W	Medium-Heavy-Duty Trucks	%	2%	3%
Convenience Market with Gas Pumps	W	Other Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	W	School Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	W	Urban Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	A	Heavy-Heavy-Duty Trucks	%	4%	1%
Fast Food Restaurant with Drive Thru	A	Passenger Cars	%	43%	43%
Fast Food Restaurant with Drive Thru	A	Light-Duty Trucks 1	%	4%	4%
Fast Food Restaurant with Drive Thru	A	Light-Duty Trucks 2	%	21%	21%
Fast Food Restaurant with Drive Thru	A	Light Heavy-Duty Trucks 1	%	4%	5%
Fast Food Restaurant with Drive Thru	A	Light Heavy-Duty Trucks 2	%	1%	2%
Fast Food Restaurant with Drive Thru	A	Motorcycles	%	2%	2%
Fast Food Restaurant with Drive Thru	A	Medium-Duty Trucks	%	19%	19%
Fast Food Restaurant with Drive Thru	A	Motor Homes	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	A	Medium-Heavy-Duty Trucks	%	2%	3%

Fast Food Restaurant with Drive Thru	A	Other Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	A	School Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	A	Urban Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	S	Heavy-Heavy-Duty Trucks	%	4%	1%
Fast Food Restaurant with Drive Thru	S	Passenger Cars	%	43%	43%
Fast Food Restaurant with Drive Thru	S	Light-Duty Trucks 1	%	4%	4%
Fast Food Restaurant with Drive Thru	S	Light-Duty Trucks 2	%	21%	21%
Fast Food Restaurant with Drive Thru	S	Light Heavy-Duty Trucks 1	%	4%	5%
Fast Food Restaurant with Drive Thru	S	Light Heavy-Duty Trucks 2	%	1%	2%
Fast Food Restaurant with Drive Thru	S	Motorcycles	%	2%	2%
Fast Food Restaurant with Drive Thru	S	Medium-Duty Trucks	%	19%	19%
Fast Food Restaurant with Drive Thru	S	Motor Homes	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	S	Medium-Heavy-Duty Trucks	%	2%	3%
Fast Food Restaurant with Drive Thru	S	Other Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	S	School Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	S	Urban Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	W	Heavy-Heavy-Duty Trucks	%	4%	1%

Fast Food Restaurant with Drive Thru	W	Passenger Cars	%	43%	43%
Fast Food Restaurant with Drive Thru	W	Light-Duty Trucks 1	%	4%	4%
Fast Food Restaurant with Drive Thru	W	Light-Duty Trucks 2	%	21%	21%
Fast Food Restaurant with Drive Thru	W	Light Heavy-Duty Trucks 1	%	4%	5%
Fast Food Restaurant with Drive Thru	W	Light Heavy-Duty Trucks 2	%	1%	2%
Fast Food Restaurant with Drive Thru	W	Motorcycles	%	2%	2%
Fast Food Restaurant with Drive Thru	W	Medium-Duty Trucks	%	19%	19%
Fast Food Restaurant with Drive Thru	W	Motor Homes	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	W	Medium-Heavy-Duty Trucks	%	2%	3%
Fast Food Restaurant with Drive Thru	W	Other Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	W	School Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	W	Urban Buses	%	< 0.5%	0%
Automobile Care Center	A	Heavy-Heavy-Duty Trucks	%	4%	1%
Automobile Care Center	A	Passenger Cars	%	43%	43%
Automobile Care Center	A	Light-Duty Trucks 1	%	4%	4%
Automobile Care Center	A	Light-Duty Trucks 2	%	21%	21%
Automobile Care Center	A	Light Heavy-Duty Trucks 1	%	4%	5%
Automobile Care Center	A	Light Heavy-Duty Trucks 2	%	1%	2%
Automobile Care Center	A	Motorcycles	%	2%	2%
Automobile Care Center	A	Medium-Duty Trucks	%	19%	19%
Automobile Care Center	A	Motor Homes	%	< 0.5%	0%

Automobile Care Center	A	Medium-Heavy-Duty Trucks	%	2%	3%
Automobile Care Center	A	Other Buses	%	< 0.5%	0%
Automobile Care Center	A	School Buses	%	< 0.5%	0%
Automobile Care Center	A	Urban Buses	%	< 0.5%	0%
Automobile Care Center	S	Heavy-Heavy-Duty Trucks	%	4%	1%
Automobile Care Center	S	Passenger Cars	%	43%	43%
Automobile Care Center	S	Light-Duty Trucks 1	%	4%	4%
Automobile Care Center	S	Light-Duty Trucks 2	%	21%	21%
Automobile Care Center	S	Light Heavy-Duty Trucks 1	%	4%	5%
Automobile Care Center	S	Light Heavy-Duty Trucks 2	%	1%	2%
Automobile Care Center	S	Motorcycles	%	2%	2%
Automobile Care Center	S	Medium-Duty Trucks	%	19%	19%
Automobile Care Center	S	Motor Homes	%	< 0.5%	0%
Automobile Care Center	S	Medium-Heavy-Duty Trucks	%	2%	3%
Automobile Care Center	S	Other Buses	%	< 0.5%	0%
Automobile Care Center	S	School Buses	%	< 0.5%	0%
Automobile Care Center	S	Urban Buses	%	< 0.5%	0%
Automobile Care Center	W	Heavy-Heavy-Duty Trucks	%	4%	1%
Automobile Care Center	W	Passenger Cars	%	43%	43%
Automobile Care Center	W	Light-Duty Trucks 1	%	4%	4%
Automobile Care Center	W	Light-Duty Trucks 2	%	21%	21%
Automobile Care Center	W	Light Heavy-Duty Trucks 1	%	4%	5%
Automobile Care Center	W	Light Heavy-Duty Trucks 2	%	1%	2%
Automobile Care Center	W	Motorcycles	%	2%	2%
Automobile Care Center	W	Medium-Duty Trucks	%	19%	19%
Automobile Care Center	W	Motor Homes	%	< 0.5%	0%
Automobile Care Center	W	Medium-Heavy-Duty Trucks	%	2%	3%
Automobile Care Center	W	Other Buses	%	< 0.5%	0%

Automobile Care Center	W	School Buses	%	< 0.5%	0%
Automobile Care Center	W	Urban Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	A	Heavy-Heavy-Duty Trucks	%	4%	1%
Unrefrigerated Warehouse-No Rail	A	Passenger Cars	%	43%	43%
Unrefrigerated Warehouse-No Rail	A	Light-Duty Trucks 1	%	4%	4%
Unrefrigerated Warehouse-No Rail	A	Light-Duty Trucks 2	%	21%	21%
Unrefrigerated Warehouse-No Rail	A	Light Heavy-Duty Trucks 1	%	4%	5%
Unrefrigerated Warehouse-No Rail	A	Light Heavy-Duty Trucks 2	%	1%	2%
Unrefrigerated Warehouse-No Rail	A	Motorcycles	%	2%	2%
Unrefrigerated Warehouse-No Rail	A	Medium-Duty Trucks	%	19%	19%
Unrefrigerated Warehouse-No Rail	A	Motor Homes	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	A	Medium-Heavy-Duty Trucks	%	2%	3%
Unrefrigerated Warehouse-No Rail	A	Other Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	A	School Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	A	Urban Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	S	Heavy-Heavy-Duty Trucks	%	4%	1%
Unrefrigerated Warehouse-No Rail	S	Passenger Cars	%	43%	43%
Unrefrigerated Warehouse-No Rail	S	Light-Duty Trucks 1	%	4%	4%

Unrefrigerated Warehouse-No Rail	S	Light-Duty Trucks 2	%	21%	21%
Unrefrigerated Warehouse-No Rail	S	Light Heavy-Duty Trucks 1	%	4%	5%
Unrefrigerated Warehouse-No Rail	S	Light Heavy-Duty Trucks 2	%	1%	2%
Unrefrigerated Warehouse-No Rail	S	Motorcycles	%	2%	2%
Unrefrigerated Warehouse-No Rail	S	Medium-Duty Trucks	%	19%	19%
Unrefrigerated Warehouse-No Rail	S	Motor Homes	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	S	Medium-Heavy-Duty Trucks	%	2%	3%
Unrefrigerated Warehouse-No Rail	S	Other Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	S	School Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	S	Urban Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	W	Heavy-Heavy-Duty Trucks	%	4%	1%
Unrefrigerated Warehouse-No Rail	W	Passenger Cars	%	43%	43%
Unrefrigerated Warehouse-No Rail	W	Light-Duty Trucks 1	%	4%	4%
Unrefrigerated Warehouse-No Rail	W	Light-Duty Trucks 2	%	21%	21%
Unrefrigerated Warehouse-No Rail	W	Light Heavy-Duty Trucks 1	%	4%	5%
Unrefrigerated Warehouse-No Rail	W	Light Heavy-Duty Trucks 2	%	1%	2%
Unrefrigerated Warehouse-No Rail	W	Motorcycles	%	2%	2%

Unrefrigerated Warehouse-No Rail	W	Medium-Duty Trucks	%	19%	19%
Unrefrigerated Warehouse-No Rail	W	Motor Homes	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	W	Medium-Heavy-Duty Trucks	%	2%	3%
Unrefrigerated Warehouse-No Rail	W	Other Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	W	School Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	W	Urban Buses	%	< 0.5%	0%

8.5.3. Energy Usage

Land Use	Model Parameter	Units	Default Value	New Value
Regional Shopping Center	Electricity	kWh/yr	2,587,758	1,652,430
Regional Shopping Center	Electricity (Subject to Title 24)	kWh/yr	1,998,734	1,063,405

8.5.4. Water and Waste Water

Land Use	Model Parameter	Units	Default Value	New Value
Regional Shopping Center	Indoor Water	gal/year	18,151,545	43,512,007
Regional Shopping Center	Outdoor Water	gal/year	5,354,055	0.00000
Medical Office Building	Indoor Water	gal/year	1,145,512	0.00000
Convenience Market with Gas Pumps	Indoor Water	gal/year	418,287	0.00000
Fast Food Restaurant with Drive Thru	Indoor Water	gal/year	5,120,917	0.00000
Automobile Care Center	Indoor Water	gal/year	385,733	0.00000
Unrefrigerated Warehouse-No Rail	Indoor Water	gal/year	9,250,000	0.00000

8.6. Measure Input Overrides

8.6.2. Operations Measure Inputs

Sector	Measure Number	Land Use Subtype	Equipment Type	Model Parameter	Default Value	New Value
Area Sources	AS-2	—	Non-residential Exterior	ROG Ef	2.00000	25.0000
Area Sources	AS-2	—	Parking	ROG Ef	2.00000	25.0000

LOKH-01_Operation Phase 1_Mitigated_GHG Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	LOKH-01_Operation Phase 1_Mitigated_GHG
Operational Year	2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	1.000000
Precipitation (days)	—
Location	35.382244024302594, -119.09464262587437
County	Kern-San Joaquin
City	Bakersfield
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2817
EDFZ	5
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Southern California Gas
App Version	2022.1.1.41

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Regional Shopping Center	245.051	1000sqft	5.63000	245,051	328,275	0.00000	—	—

Medical Office Building	9.12900	1000sqft	0.20957	9,129.00	0.00000	—	—	—
Convenience Market with Gas Pumps	40.0000	Pump	0.01000	428.000	0.00000	—	—	—
Fast Food Restaurant with Drive Thru	16.8710	1000sqft	0.38730	16,871.0	0.00000	—	—	—
Automobile Care Center	4.10000	1000sqft	0.09412	4,100.00	0.00000	—	—	—
Unrefrigerated Warehouse-No Rail	40.0000	1000sqft	0.91827	40,000.0	0.00000	—	—	—
Parking Lot	1.000000	Space	20.2000	0.00000	0.00000	—	—	—
Other Asphalt Surfaces	281.691	1000sqft	6.46674	0.00000	0.00000	—	—	—
Other Non-Asphalt Surfaces	3.03600	Acre	3.03600	0.00000	0.00000	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Area Sources	LL-1	Replace Gas Powered Landscape Equipment with Zero-Emission Landscape Equipment
Area Sources	AS-2	Use Low-VOC Paints

2. Emissions Summary

2.3. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	91.5145	87.4856	54.3103	445.739	0.92201	0.85741	71.2789	72.1364	0.80509	18.1188	18.9239	417.761	97,101.9	97,519.7	47.1797	5.50575	443.247	100,783
Mit.	88.9491	85.1086	54.1948	432.015	0.92119	0.83302	71.2789	72.1120	0.78666	18.1188	18.9054	417.761	97,050.4	97,468.2	47.1781	5.50536	443.247	100,731
% Reduced	3%	3%	< 0.5%	3%	—	3%	—	< 0.5%	2%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	—	—	< 0.5%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	81.1665	76.8708	61.5456	402.319	0.84563	0.83421	71.2789	72.1132	0.78780	18.1188	18.9066	417.761	89,403.4	89,821.1	48.2351	5.88052	124.995	92,904.4
Mit.	81.0425	76.7467	61.5456	402.319	0.84563	0.83421	71.2789	72.1132	0.78780	18.1188	18.9066	417.761	89,403.4	89,821.1	48.2351	5.88052	124.995	92,904.4
% Reduced	< 0.5%	< 0.5%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	75.6526	71.9058	52.5335	357.407	0.78566	0.77171	64.5819	65.3537	0.72675	16.4164	17.1432	417.761	83,253.2	83,670.9	47.1818	5.15584	244.345	86,631.3
Mit.	74.3246	70.6707	52.4765	350.639	0.78525	0.75968	64.5819	65.3416	0.71766	16.4164	17.1341	417.761	83,227.8	83,645.6	47.1811	5.15565	244.345	86,605.8
% Reduced	2%	2%	< 0.5%	2%	—	2%	—	< 0.5%	1%	—	< 0.5%	—	< 0.5%	< 0.5%	—	—	—	< 0.5%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	13.8066	13.1228	9.58736	65.2268	0.14338	0.14084	11.7862	11.9270	0.13263	2.99600	3.12863	69.1650	13,783.5	13,852.7	7.81149	0.85361	40.4541	14,342.8
Mit.	13.5642	12.8974	9.57697	63.9916	0.14331	0.13864	11.7862	11.9248	0.13097	2.99600	3.12697	69.1650	13,779.3	13,848.5	7.81136	0.85358	40.4541	14,338.6
% Reduced	2%	2%	< 0.5%	2%	< 0.5%	2%	—	< 0.5%	1%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

2.4. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	81.6496	77.8435	53.5677	431.488	0.91743	0.78536	71.2789	72.0643	0.73901	18.1188	18.8578	—	93,544.3	93,544.3	4.69596	5.24673	326.724	95,552.0

Area	9.79595	9.60758	0.11551	13.7243	0.00082	0.02439	—	0.02439	0.01843	—	0.01843	—	56.4402	56.4402	0.00237	0.00048	—	56.6437
Energy	0.06898	0.03449	0.62708	0.52675	0.00376	0.04766	—	0.04766	0.04766	—	0.04766	—	3,405.34	3,405.34	0.49608	0.05351	—	3,433.69
Water	—	—	—	—	—	—	—	—	—	—	—	83.3793	95.7870	179.166	8.56508	0.20501	—	454.387
Waste	—	—	—	—	—	—	—	—	—	—	—	334.381	0.00000	334.381	33.4202	0.00000	—	1,169.89
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.522	116.522
Total	91.5145	87.4856	54.3103	445.739	0.92201	0.85741	71.2789	72.1364	0.80509	18.1188	18.9239	417.761	97,101.9	97,519.7	47.1797	5.50575	443.247	100,783
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	73.7429	69.4817	60.9185	401.792	0.84187	0.78655	71.2789	72.0655	0.74014	18.1188	18.8589	—	85,902.2	85,902.2	5.75370	5.62200	8.47239	87,729.9
Area	7.35462	7.35462	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.06898	0.03449	0.62708	0.52675	0.00376	0.04766	—	0.04766	0.04766	—	0.04766	—	3,405.34	3,405.34	0.49608	0.05351	—	3,433.69
Water	—	—	—	—	—	—	—	—	—	—	—	83.3793	95.7870	179.166	8.56508	0.20501	—	454.387
Waste	—	—	—	—	—	—	—	—	—	—	—	334.381	0.00000	334.381	33.4202	0.00000	—	1,169.89
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.522	116.522
Total	81.1665	76.8708	61.5456	402.319	0.84563	0.83421	71.2789	72.1132	0.78780	18.1188	18.9066	417.761	89,403.4	89,821.1	48.2351	5.88052	124.995	92,904.4
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	67.0250	63.4056	51.8495	350.112	0.78149	0.71202	64.5819	65.2940	0.67001	16.4164	17.0864	—	79,724.2	79,724.2	4.69929	4.89708	127.823	81,428.9
Area	8.55856	8.46567	0.05697	6.76816	0.00040	0.01203	—	0.01203	0.00909	—	0.00909	—	27.8335	27.8335	0.00117	0.00024	—	27.9339
Energy	0.06898	0.03449	0.62708	0.52675	0.00376	0.04766	—	0.04766	0.04766	—	0.04766	—	3,405.34	3,405.34	0.49608	0.05351	—	3,433.69
Water	—	—	—	—	—	—	—	—	—	—	—	83.3793	95.7870	179.166	8.56508	0.20501	—	454.387
Waste	—	—	—	—	—	—	—	—	—	—	—	334.381	0.00000	334.381	33.4202	0.00000	—	1,169.89
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.522	116.522
Total	75.6526	71.9058	52.5335	357.407	0.78566	0.77171	64.5819	65.3537	0.72675	16.4164	17.1432	417.761	83,253.2	83,670.9	47.1818	5.15584	244.345	86,631.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	12.2321	11.5715	9.46253	63.8954	0.14262	0.12994	11.7862	11.9161	0.12228	2.99600	3.11827	—	13,199.3	13,199.3	0.77802	0.81077	21.1625	13,481.5
Area	1.56194	1.54498	0.01040	1.23519	0.00007	0.00220	—	0.00220	0.00166	—	0.00166	—	4.60816	4.60816	0.00019	0.00004	—	4.62478
Energy	0.01259	0.00629	0.11444	0.09613	0.00069	0.00870	—	0.00870	0.00870	—	0.00870	—	563.793	563.793	0.08213	0.00886	—	568.486

Water	—	—	—	—	—	—	—	—	—	—	—	13.8044	15.8586	29.6630	1.41805	0.03394	—	75.2290
Waste	—	—	—	—	—	—	—	—	—	—	—	55.3606	0.00000	55.3606	5.53310	0.00000	—	193.688
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.2916	19.2916
Total	13.8066	13.1228	9.58736	65.2268	0.14338	0.14084	11.7862	11.9270	0.13263	2.99600	3.12863	69.1650	13,783.5	13,852.7	7.81149	0.85361	40.4541	14,342.8

2.5. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	81.6496	77.8435	53.5677	431.488	0.91743	0.78536	71.2789	72.0643	0.73901	18.1188	18.8578	—	93,544.3	93,544.3	4.69596	5.24673	326.724	95,552.0
Area	7.23055	7.23055	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.06898	0.03449	0.62708	0.52675	0.00376	0.04766	—	0.04766	0.04766	—	0.04766	—	3,410.29	3,410.29	0.49688	0.05361	—	3,438.68
Water	—	—	—	—	—	—	—	—	—	—	—	83.3793	95.7870	179.166	8.56508	0.20501	—	454.387
Waste	—	—	—	—	—	—	—	—	—	—	—	334.381	0.00000	334.381	33.4202	0.00000	—	1,169.89
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.522	116.522
Total	88.9491	85.1086	54.1948	432.015	0.92119	0.83302	71.2789	72.1120	0.78666	18.1188	18.9054	417.761	97,050.4	97,468.2	47.1781	5.50536	443.247	100,731
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	73.7429	69.4817	60.9185	401.792	0.84187	0.78655	71.2789	72.0655	0.74014	18.1188	18.8589	—	85,902.2	85,902.2	5.75370	5.62200	8.47239	87,729.9
Area	7.23055	7.23055	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.06898	0.03449	0.62708	0.52675	0.00376	0.04766	—	0.04766	0.04766	—	0.04766	—	3,405.34	3,405.34	0.49608	0.05351	—	3,433.69
Water	—	—	—	—	—	—	—	—	—	—	—	83.3793	95.7870	179.166	8.56508	0.20501	—	454.387
Waste	—	—	—	—	—	—	—	—	—	—	—	334.381	0.00000	334.381	33.4202	0.00000	—	1,169.89
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.522	116.522
Total	81.0425	76.7467	61.5456	402.319	0.84563	0.83421	71.2789	72.1132	0.78780	18.1188	18.9066	417.761	89,403.4	89,821.1	48.2351	5.88052	124.995	92,904.4
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	67.0250	63.4056	51.8495	350.112	0.78149	0.71202	64.5819	65.2940	0.67001	16.4164	17.0864	—	79,724.2	79,724.2	4.69929	4.89708	127.823	81,428.9
Area	7.23055	7.23055	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.06898	0.03449	0.62708	0.52675	0.00376	0.04766	—	0.04766	0.04766	—	0.04766	—	3,407.78	3,407.78	0.49648	0.05356	—	3,436.15
Water	—	—	—	—	—	—	—	—	—	—	—	83.3793	95.7870	179.166	8.56508	0.20501	—	454.387
Waste	—	—	—	—	—	—	—	—	—	—	—	334.381	0.00000	334.381	33.4202	0.00000	—	1,169.89
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.522	116.522
Total	74.3246	70.6707	52.4765	350.639	0.78525	0.75968	64.5819	65.3416	0.71766	16.4164	17.1341	417.761	83,227.8	83,645.6	47.1811	5.15565	244.345	86,605.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	12.2321	11.5715	9.46253	63.8954	0.14262	0.12994	11.7862	11.9161	0.12228	2.99600	3.11827	—	13,199.3	13,199.3	0.77802	0.81077	21.1625	13,481.5
Area	1.31958	1.31958	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.01259	0.00629	0.11444	0.09613	0.00069	0.00870	—	0.00870	0.00870	—	0.00870	—	564.197	564.197	0.08220	0.00887	—	568.894
Water	—	—	—	—	—	—	—	—	—	—	—	13.8044	15.8586	29.6630	1.41805	0.03394	—	75.2290
Waste	—	—	—	—	—	—	—	—	—	—	—	55.3606	0.00000	55.3606	5.53310	0.00000	—	193.688
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.2916	19.2916
Total	13.5642	12.8974	9.57697	63.9916	0.14331	0.13864	11.7862	11.9248	0.13097	2.99600	3.12697	69.1650	13,779.3	13,848.5	7.81136	0.85358	40.4541	14,338.6

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Regional Shopping Center	28.5008	27.1722	18.6985	150.616	0.32024	0.27414	24.8808	25.1549	0.25796	6.32458	6.58254	—	32,652.8	32,652.8	1.63919	1.83144	114.047	33,353.6
Medical Office Building	0.64282	0.61286	0.42174	3.39708	0.00722	0.00618	0.56117	0.56736	0.00582	0.14265	0.14847	—	736.469	736.469	0.03697	0.04131	2.57228	752.275
Convenience Market with Gas Pumps	29.7325	28.3465	19.5065	157.125	0.33408	0.28599	25.9560	26.2420	0.26911	6.59790	6.86701	—	34,063.9	34,063.9	1.71002	1.91058	118.976	34,795.0
Fast Food Restaurant with Drive Thru	21.1929	20.2050	13.9040	111.997	0.23813	0.20385	18.5011	18.7050	0.19182	4.70290	4.89472	—	24,280.3	24,280.3	1.21888	1.36184	84.8045	24,801.4
Automobile Care Center	1.41722	1.35116	0.92979	7.48950	0.01592	0.01363	1.23721	1.25085	0.01283	0.31449	0.32732	—	1,623.68	1,623.68	0.08151	0.09107	5.67107	1,658.53
Unrefrigerated Warehouse-No Rail	0.16330	0.15569	0.10714	0.86299	0.00183	0.00157	0.14256	0.14413	0.00148	0.03624	0.03772	—	187.091	187.091	0.00939	0.01049	0.65346	191.106
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	81.6496	77.8435	53.5677	431.488	0.91743	0.78536	71.2789	72.0643	0.73901	18.1188	18.8578	—	93,544.3	93,544.3	4.69596	5.24673	326.724	95,552.0

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	25.7409	24.2534	21.2644	140.250	0.29387	0.27455	24.8808	25.1554	0.25836	6.32458	6.58294	—	29,985.2	29,985.2	2.00840	1.96243	2.95739	30,623.2
Medical Office Building	0.58057	0.54703	0.47961	3.16328	0.00663	0.00619	0.56117	0.56737	0.00583	0.14265	0.14848	—	676.303	676.303	0.04530	0.04426	0.06670	690.692
Convenience Market with Gas Pumps	26.8533	25.3016	22.1833	146.311	0.30657	0.28642	25.9560	26.2425	0.26952	6.59790	6.86742	—	31,281.1	31,281.1	2.09519	2.04724	3.08520	31,946.6
Fast Food Restaurant with Drive Thru	19.1407	18.0346	15.8120	104.289	0.21852	0.20416	18.5011	18.7053	0.19211	4.70290	4.89502	—	22,296.8	22,296.8	1.49343	1.45924	2.19909	22,771.2
Automobile Care Center	1.27998	1.20602	1.05738	6.97405	0.01461	0.01365	1.23721	1.25087	0.01285	0.31449	0.32734	—	1,491.04	1,491.04	0.09987	0.09758	0.14706	1,522.76
Unrefrigerated Warehouse-No Rail	0.14749	0.13897	0.12184	0.80359	0.00168	0.00157	0.14256	0.14413	0.00148	0.03624	0.03772	—	171.807	171.807	0.01151	0.01124	0.01695	175.462
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Total	73.7429	69.4817	60.9185	401.792	0.84187	0.78655	71.2789	72.0655	0.74014	18.1188	18.8589	—	85,902.2	85,902.2	5.75370	5.62200	8.47239	87,729.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	4.31396	4.08100	3.33721	22.5344	0.05030	0.04583	4.15671	4.20254	0.04312	1.05662	1.09974	—	4,655.06	4,655.06	0.27439	0.28594	7.46350	4,754.59
Medical Office Building	0.07780	0.07360	0.06018	0.40639	0.00091	0.00083	0.07496	0.07579	0.00078	0.01906	0.01983	—	83.9504	83.9504	0.00495	0.00516	0.13460	85.7454
Convenience Market with Gas Pumps	4.90984	4.64470	3.79817	25.6470	0.05725	0.05216	4.73087	4.78303	0.04908	1.20257	1.25165	—	5,298.06	5,298.06	0.31229	0.32543	8.49442	5,411.34
Fast Food Restaurant with Drive Thru	2.67929	2.53460	2.07265	13.9955	0.03124	0.02846	2.58163	2.61009	0.02678	0.65624	0.68302	—	2,891.14	2,891.14	0.17042	0.17759	4.63539	2,952.96
Automobile Care Center	0.22667	0.21443	0.17534	1.18401	0.00264	0.00241	0.21840	0.22081	0.00227	0.05552	0.05778	—	244.588	244.588	0.01442	0.01502	0.39215	249.817
Unrefrigerated Warehouse-No Rail	0.02452	0.02320	0.01897	0.12809	0.00029	0.00026	0.02363	0.02389	0.00025	0.00601	0.00625	—	26.4606	26.4606	0.00156	0.00163	0.04242	27.0263
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Total	12.2321	11.5715	9.46253	63.8954	0.14262	0.12994	11.7862	11.9161	0.12228	2.99600	3.11827	—	13,199.3	13,199.3	0.77802	0.81077	21.1625	13,481.5

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	28.5008	27.1722	18.6985	150.616	0.32024	0.27414	24.8808	25.1549	0.25796	6.32458	6.58254	—	32,652.8	32,652.8	1.63919	1.83144	114.047	33,353.6
Medical Office Building	0.64282	0.61286	0.42174	3.39708	0.00722	0.00618	0.56117	0.56736	0.00582	0.14265	0.14847	—	736.469	736.469	0.03697	0.04131	2.57228	752.275
Convenience Market with Gas Pumps	29.7325	28.3465	19.5065	157.125	0.33408	0.28599	25.9560	26.2420	0.26911	6.59790	6.86701	—	34,063.9	34,063.9	1.71002	1.91058	118.976	34,795.0
Fast Food Restaurant with Drive Thru	21.1929	20.2050	13.9040	111.997	0.23813	0.20385	18.5011	18.7050	0.19182	4.70290	4.89472	—	24,280.3	24,280.3	1.21888	1.36184	84.8045	24,801.4
Automobile Care Center	1.41722	1.35116	0.92979	7.48950	0.01592	0.01363	1.23721	1.25085	0.01283	0.31449	0.32732	—	1,623.68	1,623.68	0.08151	0.09107	5.67107	1,658.53
Unrefrigerated Warehouse-No Rail	0.16330	0.15569	0.10714	0.86299	0.00183	0.00157	0.14256	0.14413	0.00148	0.03624	0.03772	—	187.091	187.091	0.00939	0.01049	0.65346	191.106

Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	81.6496	77.8435	53.5677	431.488	0.91743	0.78536	71.2789	72.0643	0.73901	18.1188	18.8578	—	93,544.3	93,544.3	4.69596	5.24673	326.724	95,552.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	25.7409	24.2534	21.2644	140.250	0.29387	0.27455	24.8808	25.1554	0.25836	6.32458	6.58294	—	29,985.2	29,985.2	2.00840	1.96243	2.95739	30,623.2
Medical Office Building	0.58057	0.54703	0.47961	3.16328	0.00663	0.00619	0.56117	0.56737	0.00583	0.14265	0.14848	—	676.303	676.303	0.04530	0.04426	0.06670	690.692
Convenience Market with Gas Pumps	26.8533	25.3016	22.1833	146.311	0.30657	0.28642	25.9560	26.2425	0.26952	6.59790	6.86742	—	31,281.1	31,281.1	2.09519	2.04724	3.08520	31,946.6
Fast Food Restaurant with Drive Thru	19.1407	18.0346	15.8120	104.289	0.21852	0.20416	18.5011	18.7053	0.19211	4.70290	4.89502	—	22,296.8	22,296.8	1.49343	1.45924	2.19909	22,771.2
Automobile Care Center	1.27998	1.20602	1.05738	6.97405	0.01461	0.01365	1.23721	1.25087	0.01285	0.31449	0.32734	—	1,491.04	1,491.04	0.09987	0.09758	0.14706	1,522.76

Unrefrigerated Warehouse-No Rail	0.14749	0.13897	0.12184	0.80359	0.00168	0.00157	0.14256	0.14413	0.00148	0.03624	0.03772	—	171.807	171.807	0.01151	0.01124	0.01695	175.462
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	73.7429	69.4817	60.9185	401.792	0.84187	0.78655	71.2789	72.0655	0.74014	18.1188	18.8589	—	85,902.2	85,902.2	5.75370	5.62200	8.47239	87,729.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	4.31396	4.08100	3.33721	22.5344	0.05030	0.04583	4.15671	4.20254	0.04312	1.05662	1.09974	—	4,655.06	4,655.06	0.27439	0.28594	7.46350	4,754.59
Medical Office Building	0.07780	0.07360	0.06018	0.40639	0.00091	0.00083	0.07496	0.07579	0.00078	0.01906	0.01983	—	83.9504	83.9504	0.00495	0.00516	0.13460	85.7454
Convenience Market with Gas Pumps	4.90984	4.64470	3.79817	25.6470	0.05725	0.05216	4.73087	4.78303	0.04908	1.20257	1.25165	—	5,298.06	5,298.06	0.31229	0.32543	8.49442	5,411.34
Fast Food Restaurant with Drive Thru	2.67929	2.53460	2.07265	13.9955	0.03124	0.02846	2.58163	2.61009	0.02678	0.65624	0.68302	—	2,891.14	2,891.14	0.17042	0.17759	4.63539	2,952.96
Automobile Care Center	0.22667	0.21443	0.17534	1.18401	0.00264	0.00241	0.21840	0.22081	0.00227	0.05552	0.05778	—	244.588	244.588	0.01442	0.01502	0.39215	249.817

Unrefrig Warehouse-No Rail	0.02452	0.02320	0.01897	0.12809	0.00029	0.00026	0.02363	0.02389	0.00025	0.00601	0.00625	—	26.4606	26.4606	0.00156	0.00163	0.04242	27.0263
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	12.2321	11.5715	9.46253	63.8954	0.14262	0.12994	11.7862	11.9161	0.12228	2.99600	3.11827	—	13,199.3	13,199.3	0.77802	0.81077	21.1625	13,481.5

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	1,279.63	1,279.63	0.20702	0.02509	—	1,292.28
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	179.338	179.338	0.02901	0.00352	—	181.111
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	16.3693	16.3693	0.00265	0.00032	—	16.5311

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	421.294	421.294	0.06816	0.00826	—	425.460
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	54.6993	54.6993	0.00885	0.00107	—	55.2402
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	275.029	275.029	0.04449	0.00539	—	277.748
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	430.769	430.769	0.06969	0.00845	—	435.028
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,657.13	2,657.13	0.42987	0.05210	—	2,683.40
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	1,279.63	1,279.63	0.20702	0.02509	—	1,292.28
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	179.338	179.338	0.02901	0.00352	—	181.111

Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	16.3693	16.3693	0.00265	0.00032	—	16.5311
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	421.294	421.294	0.06816	0.00826	—	425.460
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	54.6993	54.6993	0.00885	0.00107	—	55.2402
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	275.029	275.029	0.04449	0.00539	—	277.748
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	430.769	430.769	0.06969	0.00845	—	435.028
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,657.13	2,657.13	0.42987	0.05210	—	2,683.40
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	211.857	211.857	0.03427	0.00415	—	213.952
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	29.6915	29.6915	0.00480	0.00058	—	29.9851

Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	2.71012	2.71012	0.00044	0.00005	—	2.73692
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	69.7501	69.7501	0.01128	0.00137	—	70.4397
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	9.05609	9.05609	0.00147	0.00018	—	9.14564
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	45.5341	45.5341	0.00737	0.00089	—	45.9844
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	71.3187	71.3187	0.01154	0.00140	—	72.0239
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	439.918	439.918	0.07117	0.00863	—	444.268

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Regional	—	—	—	—	—	—	—	—	—	—	—	—	1,283.47	1,283.47	0.20764	0.02517	—	1,296.16
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	179.481	179.481	0.02904	0.00352	—	181.256
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	16.3760	16.3760	0.00265	0.00032	—	16.5379
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	421.559	421.559	0.06820	0.00827	—	425.727
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	54.7635	54.7635	0.00886	0.00107	—	55.3050
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	275.655	275.655	0.04460	0.00541	—	278.381
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	430.769	430.769	0.06969	0.00845	—	435.028
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,662.07	2,662.07	0.43067	0.05220	—	2,688.39
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Regional	—	—	—	—	—	—	—	—	—	—	—	—	1,279.63	1,279.63	0.20702	0.02509	—	1,292.28
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	179.338	179.338	0.02901	0.00352	—	181.111
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	16.3693	16.3693	0.00265	0.00032	—	16.5311
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	421.294	421.294	0.06816	0.00826	—	425.460
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	54.6993	54.6993	0.00885	0.00107	—	55.2402
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	275.029	275.029	0.04449	0.00539	—	277.748
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	430.769	430.769	0.06969	0.00845	—	435.028
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,657.13	2,657.13	0.42987	0.05210	—	2,683.40
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Regional Shopping	—	—	—	—	—	—	—	—	—	—	—	—	212.171	212.171	0.03432	0.00416	—	214.268
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	29.7032	29.7032	0.00481	0.00058	—	29.9969
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	2.71067	2.71067	0.00044	0.00005	—	2.73747
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	69.7716	69.7716	0.01129	0.00137	—	70.4615
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	9.06134	9.06134	0.00147	0.00018	—	9.15094
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	45.5853	45.5853	0.00737	0.00089	—	46.0361
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	71.3187	71.3187	0.01154	0.00140	—	72.0239
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	440.321	440.321	0.07123	0.00863	—	444.675

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.00665	0.00333	0.06048	0.05081	0.00036	0.00460	—	0.00460	0.00460	—	0.00460	—	72.1684	72.1684	0.00639	0.00014	—	72.3686
Medical Office Building	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Convenience Market with Gas Pumps	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Fast Food Restaurant with Drive Thru	0.06233	0.03116	0.56660	0.47594	0.00340	0.04306	—	0.04306	0.04306	—	0.04306	—	676.046	676.046	0.05983	0.00127	—	677.921
Automobile Care Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unrefrigerated Warehouse-No Rail	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.06898	0.03449	0.62708	0.52675	0.00376	0.04766	—	0.04766	0.04766	—	0.04766	—	748.214	748.214	0.06622	0.00141	—	750.289
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.00665	0.00333	0.06048	0.05081	0.00036	0.00460	—	0.00460	0.00460	—	0.00460	—	72.1684	72.1684	0.00639	0.00014	—	72.3686
Medical Office Building	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Convenience Market with Gas Pumps	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Fast Food Restaurant with Drive Thru	0.06233	0.03116	0.56660	0.47594	0.00340	0.04306	—	0.04306	0.04306	—	0.04306	—	676.046	676.046	0.05983	0.00127	—	677.921
Automobile Care Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unrefrigerated Warehouse-No Rail	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.06898	0.03449	0.62708	0.52675	0.00376	0.04766	—	0.04766	0.04766	—	0.04766	—	748.214	748.214	0.06622	0.00141	—	750.289
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.00121	0.00061	0.01104	0.00927	0.00007	0.00084	—	0.00084	0.00084	—	0.00084	—	11.9483	11.9483	0.00106	0.00002	—	11.9814
Medical Office Building	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Convenience Market with Gas Pumps	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Fast Food Restaurant with Drive Thru	0.01137	0.00569	0.10340	0.08686	0.00062	0.00786	—	0.00786	0.00786	—	0.00786	—	111.927	111.927	0.00991	0.00021	—	112.238
Automobile Care Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unrefrigerated Warehouse-No Rail	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.01259	0.00629	0.11444	0.09613	0.00069	0.00870	—	0.00870	0.00870	—	0.00870	—	123.875	123.875	0.01096	0.00023	—	124.219

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.00665	0.00333	0.06048	0.05081	0.00036	0.00460	—	0.00460	0.00460	—	0.00460	—	72.1684	72.1684	0.00639	0.00014	—	72.3686
Medical Office Building	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Convenience Market with Gas Pumps	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Fast Food Restaurant with Drive Thru	0.06233	0.03116	0.56660	0.47594	0.00340	0.04306	—	0.04306	0.04306	—	0.04306	—	676.046	676.046	0.05983	0.00127	—	677.921

Automobile Care Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unrefrigerated Warehouse-No Rail	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.06898	0.03449	0.62708	0.52675	0.00376	0.04766	—	0.04766	0.04766	—	0.04766	—	748.214	748.214	0.06622	0.00141	—	750.289
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.00665	0.00333	0.06048	0.05081	0.00036	0.00460	—	0.00460	0.00460	—	0.00460	—	72.1684	72.1684	0.00639	0.00014	—	72.3686
Medical Office Building	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Convenience Market with Gas Pumps	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

Fast Food Restaurant with Drive Thru	0.06233	0.03116	0.56660	0.47594	0.00340	0.04306	—	0.04306	0.04306	—	0.04306	—	676.046	676.046	0.05983	0.00127	—	677.921
Automobile Care Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unrefrigerated Warehouse-No Rail	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.06898	0.03449	0.62708	0.52675	0.00376	0.04766	—	0.04766	0.04766	—	0.04766	—	748.214	748.214	0.06622	0.00141	—	750.289
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.00121	0.00061	0.01104	0.00927	0.00007	0.00084	—	0.00084	0.00084	—	0.00084	—	11.9483	11.9483	0.00106	0.00002	—	11.9814
Medical Office Building	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Convenience Market with Gas Pumps	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

Fast Food Restaurant with Drive Thru	0.01137	0.00569	0.10340	0.08686	0.00062	0.00786	—	0.00786	0.00786	—	0.00786	—	111.927	111.927	0.00991	0.00021	—	112.238
Automobile Care Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unrefrigerated Warehouse-No Rail	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.01259	0.00629	0.11444	0.09613	0.00069	0.00870	—	0.00870	0.00870	—	0.00870	—	123.875	123.875	0.01096	0.00023	—	124.219

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	6.85515	6.85515	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	0.49947	0.49947	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.44133	2.25297	0.11551	13.7243	0.00082	0.02439	—	0.02439	0.01843	—	0.01843	—	56.4402	56.4402	0.00237	0.00048	—	56.6437
Total	9.79595	9.60758	0.11551	13.7243	0.00082	0.02439	—	0.02439	0.01843	—	0.01843	—	56.4402	56.4402	0.00237	0.00048	—	56.6437
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	6.85515	6.85515	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.49947	0.49947	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	7.35462	7.35462	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.25106	1.25106	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.09115	0.09115	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.21972	0.20277	0.01040	1.23519	0.00007	0.00220	—	0.00220	0.00166	—	0.00166	—	4.60816	4.60816	0.00019	0.00004	—	4.62478
Total	1.56194	1.54498	0.01040	1.23519	0.00007	0.00220	—	0.00220	0.00166	—	0.00166	—	4.60816	4.60816	0.00019	0.00004	—	4.62478

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	6.85515	6.85515	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.37540	0.37540	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	7.23055	7.23055	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	6.85515	6.85515	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.37540	0.37540	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	7.23055	7.23055	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.25106	1.25106	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.06851	0.06851	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	1.31958	1.31958	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	83.3793	95.7870	179.166	8.56508	0.20501	—	454.387
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	83.3793	95.7870	179.166	8.56508	0.20501	—	454.387
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	83.3793	95.7870	179.166	8.56508	0.20501	—	454.387
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	83.3793	95.7870	179.166	8.56508	0.20501	—	454.387
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	13.8044	15.8586	29.6630	1.41805	0.03394	—	75.2290
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Unrefrig Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	13.8044	15.8586	29.6630	1.41805	0.03394	—	75.2290

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	83.3793	95.7870	179.166	8.56508	0.20501	—	454.387
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	83.3793	95.7870	179.166	8.56508	0.20501	—	454.387
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	83.3793	95.7870	179.166	8.56508	0.20501	—	454.387
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	83.3793	95.7870	179.166	8.56508	0.20501	—	454.387
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	13.8044	15.8586	29.6630	1.41805	0.03394	—	75.2290
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	13.8044	15.8586	29.6630	1.41805	0.03394	—	75.2290

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	138.671	0.00000	138.671	13.8597	0.00000	—	485.162
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	53.1357	0.00000	53.1357	5.31072	0.00000	—	185.904
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	9.13479	0.00000	9.13479	0.91299	0.00000	—	31.9595
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	104.735	0.00000	104.735	10.4679	0.00000	—	366.432
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	8.44086	0.00000	8.44086	0.84363	0.00000	—	29.5317
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	20.2641	0.00000	20.2641	2.02532	0.00000	—	70.8972
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Total	—	—	—	—	—	—	—	—	—	—	—	334.381	0.00000	334.381	33.4202	0.00000	—	1,169.89
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	138.671	0.00000	138.671	13.8597	0.00000	—	485.162
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	53.1357	0.00000	53.1357	5.31072	0.00000	—	185.904
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	9.13479	0.00000	9.13479	0.91299	0.00000	—	31.9595
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	104.735	0.00000	104.735	10.4679	0.00000	—	366.432
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	8.44086	0.00000	8.44086	0.84363	0.00000	—	29.5317
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	20.2641	0.00000	20.2641	2.02532	0.00000	—	70.8972
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	334.381	0.00000	334.381	33.4202	0.00000	—	1,169.89
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	22.9585	0.00000	22.9585	2.29462	0.00000	—	80.3241
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	8.79722	0.00000	8.79722	0.87925	0.00000	—	30.7785
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	1.51237	0.00000	1.51237	0.15116	0.00000	—	5.29126
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	17.3401	0.00000	17.3401	1.73308	0.00000	—	60.6671
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	1.39748	0.00000	1.39748	0.13967	0.00000	—	4.88931
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	3.35495	0.00000	3.35495	0.33532	0.00000	—	11.7378
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	55.3606	0.00000	55.3606	5.53310	0.00000	—	193.688

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	138.671	0.00000	138.671	13.8597	0.00000	—	485.162
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	53.1357	0.00000	53.1357	5.31072	0.00000	—	185.904
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	9.13479	0.00000	9.13479	0.91299	0.00000	—	31.9595
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	104.735	0.00000	104.735	10.4679	0.00000	—	366.432
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	8.44086	0.00000	8.44086	0.84363	0.00000	—	29.5317

Unrefrigerated Wareho Rail	—	—	—	—	—	—	—	—	—	—	—	20.2641	0.00000	20.2641	2.02532	0.00000	—	70.8972
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	334.381	0.00000	334.381	33.4202	0.00000	—	1,169.89
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	138.671	0.00000	138.671	13.8597	0.00000	—	485.162
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	53.1357	0.00000	53.1357	5.31072	0.00000	—	185.904
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	9.13479	0.00000	9.13479	0.91299	0.00000	—	31.9595
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	104.735	0.00000	104.735	10.4679	0.00000	—	366.432
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	8.44086	0.00000	8.44086	0.84363	0.00000	—	29.5317

Unrefrig Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	20.2641	0.00000	20.2641	2.02532	0.00000	—	70.8972
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	334.381	0.00000	334.381	33.4202	0.00000	—	1,169.89
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	22.9585	0.00000	22.9585	2.29462	0.00000	—	80.3241
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	8.79722	0.00000	8.79722	0.87925	0.00000	—	30.7785
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	1.51237	0.00000	1.51237	0.15116	0.00000	—	5.29126
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	17.3401	0.00000	17.3401	1.73308	0.00000	—	60.6671
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	1.39748	0.00000	1.39748	0.13967	0.00000	—	4.88931

Unrefrigerated Wareho Rail	—	—	—	—	—	—	—	—	—	—	—	3.35495	0.00000	3.35495	0.33532	0.00000	—	11.7378
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	55.3606	0.00000	55.3606	5.53310	0.00000	—	193.688

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.17640	1.17640
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23326	0.23326
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	88.7327	88.7327

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	26.3737	26.3737
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00640	0.00640
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.522	116.522
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.17640	1.17640
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23326	0.23326
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	88.7327	88.7327
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	26.3737	26.3737
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00640	0.00640
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.522	116.522
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Regiona Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19477	0.19477
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03862	0.03862
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14.6907	14.6907
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.36646	4.36646
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00106	0.00106
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.2916	19.2916

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.17640	1.17640

Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23326	0.23326
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	88.7327	88.7327
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	26.3737	26.3737
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00640	0.00640
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.522	116.522
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.17640	1.17640
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23326	0.23326
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	88.7327	88.7327

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	26.3737	26.3737
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00640	0.00640
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116.522	116.522
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19477	0.19477
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03862	0.03862
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14.6907	14.6907
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.36646	4.36646
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00106	0.00106
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.2916	19.2916

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Regional Shopping Center	8,894.00	8,858.85	3,663.66	2,971,752	35,005.7	34,867.3	14,419.7	11,696,450
Medical Office Building	200.600	22.0800	2.73600	53,593.3	789.537	86.9042	10.7686	210,936
Convenience Market with Gas Pumps	9,278.36	9,236.50	9,236.50	3,382,236	36,518.5	36,353.7	36,353.7	13,312,064
Fast Food Restaurant with Drive Thru	4,917.90	6,613.50	4,193.58	1,845,679	19,356.2	26,029.9	16,505.4	7,264,364
Automobile Care Center	422.000	442.260	442.260	156,143	1,660.94	1,740.68	1,740.68	614,559

Unrefrigerated Warehouse-No Rail	47.3200	50.9600	36.4000	16,892.2	186.246	200.572	143.266	66,485.6
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Regional Shopping Center	8,894.00	8,858.85	3,663.66	2,971,752	35,005.7	34,867.3	14,419.7	11,696,450
Medical Office Building	200.600	22.0800	2.73600	53,593.3	789.537	86.9042	10.7686	210,936
Convenience Market with Gas Pumps	9,278.36	9,236.50	9,236.50	3,382,236	36,518.5	36,353.7	36,353.7	13,312,064
Fast Food Restaurant with Drive Thru	4,917.90	6,613.50	4,193.58	1,845,679	19,356.2	26,029.9	16,505.4	7,264,364
Automobile Care Center	422.000	442.260	442.260	156,143	1,660.94	1,740.68	1,740.68	614,559
Unrefrigerated Warehouse-No Rail	47.3200	50.9600	36.4000	16,892.2	186.246	200.572	143.266	66,485.6
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Regional Shopping Center	Wood Fireplaces	0	0
Regional Shopping Center	Gas Fireplaces	0	0
Regional Shopping Center	Propane Fireplaces	0	0
Regional Shopping Center	Electric Fireplaces	0	0
Regional Shopping Center	No Fireplaces	0	0
Regional Shopping Center	Conventional Wood Stoves	0	0
Regional Shopping Center	Catalytic Wood Stoves	0	0
Regional Shopping Center	Non-Catalytic Wood Stoves	0	0
Regional Shopping Center	Pellet Wood Stoves	0	0
Medical Office Building	Wood Fireplaces	0	0
Medical Office Building	Gas Fireplaces	0	0
Medical Office Building	Propane Fireplaces	0	0
Medical Office Building	Electric Fireplaces	0	0
Medical Office Building	No Fireplaces	0	0
Medical Office Building	Conventional Wood Stoves	0	0
Medical Office Building	Catalytic Wood Stoves	0	0
Medical Office Building	Non-Catalytic Wood Stoves	0	0
Medical Office Building	Pellet Wood Stoves	0	0
Convenience Market with Gas Pumps	Wood Fireplaces	0	0
Convenience Market with Gas Pumps	Gas Fireplaces	0	0
Convenience Market with Gas Pumps	Propane Fireplaces	0	0
Convenience Market with Gas Pumps	Electric Fireplaces	0	0
Convenience Market with Gas Pumps	No Fireplaces	0	0
Convenience Market with Gas Pumps	Conventional Wood Stoves	0	0
Convenience Market with Gas Pumps	Catalytic Wood Stoves	0	0
Convenience Market with Gas Pumps	Non-Catalytic Wood Stoves	0	0
Convenience Market with Gas Pumps	Pellet Wood Stoves	0	0

Fast Food Restaurant with Drive Thru	Wood Fireplaces	0	0
Fast Food Restaurant with Drive Thru	Gas Fireplaces	0	0
Fast Food Restaurant with Drive Thru	Propane Fireplaces	0	0
Fast Food Restaurant with Drive Thru	Electric Fireplaces	0	0
Fast Food Restaurant with Drive Thru	No Fireplaces	0	0
Fast Food Restaurant with Drive Thru	Conventional Wood Stoves	0	0
Fast Food Restaurant with Drive Thru	Catalytic Wood Stoves	0	0
Fast Food Restaurant with Drive Thru	Non-Catalytic Wood Stoves	0	0
Fast Food Restaurant with Drive Thru	Pellet Wood Stoves	0	0
Automobile Care Center	Wood Fireplaces	0	0
Automobile Care Center	Gas Fireplaces	0	0
Automobile Care Center	Propane Fireplaces	0	0
Automobile Care Center	Electric Fireplaces	0	0
Automobile Care Center	No Fireplaces	0	0
Automobile Care Center	Conventional Wood Stoves	0	0
Automobile Care Center	Catalytic Wood Stoves	0	0
Automobile Care Center	Non-Catalytic Wood Stoves	0	0
Automobile Care Center	Pellet Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Wood Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Gas Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Propane Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Electric Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	No Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Conventional Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Catalytic Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Non-Catalytic Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Pellet Wood Stoves	0	0
Parking Lot	Wood Fireplaces	0	0

Parking Lot	Gas Fireplaces	0	0
Parking Lot	Propane Fireplaces	0	0
Parking Lot	Electric Fireplaces	0	0
Parking Lot	No Fireplaces	0	0
Parking Lot	Conventional Wood Stoves	0	0
Parking Lot	Catalytic Wood Stoves	0	0
Parking Lot	Non-Catalytic Wood Stoves	0	0
Parking Lot	Pellet Wood Stoves	0	0
Other Asphalt Surfaces	Wood Fireplaces	0	0
Other Asphalt Surfaces	Gas Fireplaces	0	0
Other Asphalt Surfaces	Propane Fireplaces	0	0
Other Asphalt Surfaces	Electric Fireplaces	0	0
Other Asphalt Surfaces	No Fireplaces	0	0
Other Asphalt Surfaces	Conventional Wood Stoves	0	0
Other Asphalt Surfaces	Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Non-Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Pellet Wood Stoves	0	0
Other Non-Asphalt Surfaces	Wood Fireplaces	0	0
Other Non-Asphalt Surfaces	Gas Fireplaces	0	0
Other Non-Asphalt Surfaces	Propane Fireplaces	0	0
Other Non-Asphalt Surfaces	Electric Fireplaces	0	0
Other Non-Asphalt Surfaces	No Fireplaces	0	0
Other Non-Asphalt Surfaces	Conventional Wood Stoves	0	0
Other Non-Asphalt Surfaces	Catalytic Wood Stoves	0	0
Other Non-Asphalt Surfaces	Non-Catalytic Wood Stoves	0	0
Other Non-Asphalt Surfaces	Pellet Wood Stoves	0	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0.00000	0.00000	473,369	157,790	77,631.1

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	180.000

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	180.000

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Regional Shopping Center	2,289,721	203.983	0.0330	0.0040	225,185
Medical Office Building	320,901	203.983	0.0330	0.0040	0.00000
Convenience Market with Gas Pumps	29,290.6	203.983	0.0330	0.0040	0.00000
Fast Food Restaurant with Drive Thru	753,849	203.983	0.0330	0.0040	2,109,444
Automobile Care Center	97,877.0	203.983	0.0330	0.0040	0.00000
Unrefrigerated Warehouse-No Rail	492,127	203.983	0.0330	0.0040	0.00000
Parking Lot	770,803	203.983	0.0330	0.0040	0.00000

Other Asphalt Surfaces	0.00000	203.983	0.0330	0.0040	0.00000
Other Non-Asphalt Surfaces	0.00000	203.983	0.0330	0.0040	0.00000

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Regional Shopping Center	2,289,721	203.983	0.0330	0.0040	225,185
Medical Office Building	320,901	203.983	0.0330	0.0040	0.00000
Convenience Market with Gas Pumps	29,290.6	203.983	0.0330	0.0040	0.00000
Fast Food Restaurant with Drive Thru	753,849	203.983	0.0330	0.0040	2,109,444
Automobile Care Center	97,877.0	203.983	0.0330	0.0040	0.00000
Unrefrigerated Warehouse-No Rail	492,127	203.983	0.0330	0.0040	0.00000
Parking Lot	770,803	203.983	0.0330	0.0040	0.00000
Other Asphalt Surfaces	0.00000	203.983	0.0330	0.0040	0.00000
Other Non-Asphalt Surfaces	0.00000	203.983	0.0330	0.0040	0.00000

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Regional Shopping Center	43,512,007	0.00000
Medical Office Building	0.00000	0.00000
Convenience Market with Gas Pumps	0.00000	0.00000
Fast Food Restaurant with Drive Thru	0.00000	0.00000
Automobile Care Center	0.00000	0.00000
Unrefrigerated Warehouse-No Rail	0.00000	0.00000

Parking Lot	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Regional Shopping Center	43,512,007	0.00000
Medical Office Building	0.00000	0.00000
Convenience Market with Gas Pumps	0.00000	0.00000
Fast Food Restaurant with Drive Thru	0.00000	0.00000
Automobile Care Center	0.00000	0.00000
Unrefrigerated Warehouse-No Rail	0.00000	0.00000
Parking Lot	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Regional Shopping Center	257.304	0.00000
Medical Office Building	98.5932	0.00000
Convenience Market with Gas Pumps	16.9496	0.00000
Fast Food Restaurant with Drive Thru	194.336	0.00000
Automobile Care Center	15.6620	0.00000
Unrefrigerated Warehouse-No Rail	37.6000	0.00000
Parking Lot	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000

Other Non-Asphalt Surfaces	0.00000	0.00000

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Regional Shopping Center	257.304	0.00000
Medical Office Building	98.5932	0.00000
Convenience Market with Gas Pumps	16.9496	0.00000
Fast Food Restaurant with Drive Thru	194.336	0.00000
Automobile Care Center	15.6620	0.00000
Unrefrigerated Warehouse-No Rail	37.6000	0.00000
Parking Lot	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430.00	0.03750	1.000000	0.00000	1.000000
Medical Office Building	Household refrigerators and/or freezers	R-134a	1,430.00	0.45455	0.60000	0.00000	1.000000
Medical Office Building	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00230	4.00000	4.00000	18.0000
Convenience Market with Gas Pumps	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000

Convenience Market with Gas Pumps	Supermarket refrigeration and condensing units	R-404A	3,922.00	26.5200	16.5000	16.5000	18.0000
Fast Food Restaurant with Drive Thru	Household refrigerators and/or freezers	R-134a	1,430.00	0.00000	0.60000	0.00000	1.000000
Fast Food Restaurant with Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088.00	1.80000	4.00000	4.00000	18.0000
Fast Food Restaurant with Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922.00	0.00040	7.50000	7.50000	20.0000
Automobile Care Center	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000

5.14.2. Mitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430.00	0.03750	1.000000	0.00000	1.000000
Medical Office Building	Household refrigerators and/or freezers	R-134a	1,430.00	0.45455	0.60000	0.00000	1.000000
Medical Office Building	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00230	4.00000	4.00000	18.0000
Convenience Market with Gas Pumps	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Convenience Market with Gas Pumps	Supermarket refrigeration and condensing units	R-404A	3,922.00	26.5200	16.5000	16.5000	18.0000
Fast Food Restaurant with Drive Thru	Household refrigerators and/or freezers	R-134a	1,430.00	0.00000	0.60000	0.00000	1.000000
Fast Food Restaurant with Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088.00	1.80000	4.00000	4.00000	18.0000

Fast Food Restaurant with Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922.00	0.00040	7.50000	7.50000	20.0000
Automobile Care Center	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	20.0600	annual days of extreme heat
Extreme Precipitation	0.00000	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00000	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	1	1	1	2
Drought	1	1	1	2

Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	—
AQ-PM	—
AQ-DPM	—
Drinking Water	—
Lead Risk Housing	—
Pesticides	—
Toxic Releases	—
Traffic	—
Effect Indicators	—
CleanUp Sites	—
Groundwater	—
Haz Waste Facilities/Generators	—
Impaired Water Bodies	—
Solid Waste	—

Sensitive Population	—
Asthma	—
Cardio-vascular	—
Low Birth Weights	—
Socioeconomic Factor Indicators	—
Education	—
Housing	—
Linguistic	—
Poverty	—
Unemployment	—

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	—
Employed	—
Median HI	—
Education	—
Bachelor's or higher	—
High school enrollment	—
Preschool enrollment	—
Transportation	—
Auto Access	—
Active commuting	—
Social	—
2-parent households	—
Voting	—

Neighborhood	—
Alcohol availability	—
Park access	—
Retail density	—
Supermarket access	—
Tree canopy	—
Housing	—
Homeownership	—
Housing habitability	—
Low-inc homeowner severe housing cost burden	—
Low-inc renter severe housing cost burden	—
Uncrowded housing	—
Health Outcomes	—
Insured adults	—
Arthritis	—
Asthma ER Admissions	—
High Blood Pressure	—
Cancer (excluding skin)	—
Asthma	—
Coronary Heart Disease	—
Chronic Obstructive Pulmonary Disease	—
Diagnosed Diabetes	—
Life Expectancy at Birth	—
Cognitively Disabled	—
Physically Disabled	—
Heart Attack ER Admissions	—
Mental Health Not Good	—
Chronic Kidney Disease	—

Obesity	—
Pedestrian Injuries	—
Physical Health Not Good	—
Stroke	—
Health Risk Behaviors	—
Binge Drinking	—
Current Smoker	—
No Leisure Time for Physical Activity	—
Climate Change Exposures	—
Wildfire Risk	—
SLR Inundation Area	—
Children	—
Elderly	—
English Speaking	—
Foreign-born	—
Outdoor Workers	—
Climate Change Adaptive Capacity	—
Impervious Surface Cover	—
Traffic Density	—
Traffic Access	—
Other Indices	—
Hardship	—
Other Decision Support	—
2016 Voting	—

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	—

Healthy Places Index Score for Project Location (b)	—
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Land Use	Based on information provided.
Operations: Vehicle Data	Based on information provided by the project traffic consultant.
Operations: Fleet Mix	Based on information provided by the traffic consultant.
Operations: Energy Use	The estimated 935,329 kWh/yr of renewable electricity generated from onsite PV system for Phase 1 is subtracted from the Title 24 electricity default total. Includes incorporation of Reduction Measure GHG-1, which require all-electric building systems and appliance for all land uses except for restaurant land uses.
Operations: Water and Waste Water	Based on the full buildout demand from the Water Supply and Demand Analysis Coffee and Rosedale Commercial Retail Development Project study prepared by PlaceWorks. For purposes of modeling, all project water demand is assigned to the Regional Shopping Center land use.

8.2. Project Characteristics

8.2.1. Project Details

Model Parameter	Default Value	New Value
Windspeed (m/s)	—	1.000000

8.3. Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	acre	5.62560	5.63000
Landscape Area	sq. ft	—	328,275
Special Landscape Area	sq. ft	—	0.00000
Lot Area	acre	0.12964	0.01000
Building Area	sq. ft	5,647.00	428.000
Landscape Area	sq. ft	—	0.00000
Lot Area	acre	0.00900	20.2000
Landscape Area	sq. ft	—	0.00000

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

Land Use	Model Parameter	Units	Default Value	New Value
Regional Shopping Center	Weekday Trip Rate	size/day	37.7500	36.2945
Regional Shopping Center	Saturday Trip Rate	size/day	46.1200	36.1510
Regional Shopping Center	Sunday Trip Rate	size/day	21.1000	14.9506
Regional Shopping Center	Non-Res H-W Trip Length	miles	8.50253	3.93588
Regional Shopping Center	Non-Res W-O Trip Length	miles	4.80598	0.00000

Regional Shopping Center	Non-Res O-O Trip Length	miles	5.08225	0.00000
Regional Shopping Center	Weekday Primary Trip	%	37.9200	100.0000
Regional Shopping Center	Weekday Divert Trip	%	28.0800	0.00000
Regional Shopping Center	Weekday Pass-By Trip	%	34.0000	0.00000
Regional Shopping Center	Saturday Primary Trip	%	42.5100	100.0000
Regional Shopping Center	Saturday Divert Trip	%	31.4900	0.00000
Regional Shopping Center	Saturday Pass-By Trip	%	26.0000	0.00000
Regional Shopping Center	Sunday Primary Trip	%	42.5100	100.0000
Regional Shopping Center	Sunday Divert Trip	%	31.4900	0.00000
Regional Shopping Center	Sunday Pass-By Trip	%	26.0000	0.00000
Regional Shopping Center	Non-Res H-W Trip	%	31.7132	100.0000
Regional Shopping Center	Non-Res W-O Trip	%	14.8513	0.00000
Regional Shopping Center	Non-Res O-O Trip	%	53.4356	0.00000
Medical Office Building	Weekday Trip Rate	size/day	34.8000	21.9739
Medical Office Building	Saturday Trip Rate	size/day	8.57000	2.41867
Medical Office Building	Sunday Trip Rate	size/day	1.42000	0.29970
Medical Office Building	Non-Res H-W Trip Length	miles	8.50253	3.93588
Medical Office Building	Non-Res W-O Trip Length	miles	4.80598	0.00000
Medical Office Building	Non-Res O-O Trip Length	miles	5.08225	0.00000
Medical Office Building	Non-Res H-W Trip	%	31.7132	100.0000
Medical Office Building	Non-Res W-O Trip	%	14.8513	0.00000
Medical Office Building	Non-Res O-O Trip	%	53.4356	0.00000
Convenience Market with Gas Pumps	Weekday Trip Rate	size/day	322.500	231.959
Convenience Market with Gas Pumps	Saturday Trip Rate	size/day	322.500	230.912
Convenience Market with Gas Pumps	Sunday Trip Rate	size/day	322.500	230.912
Convenience Market with Gas Pumps	Non-Res H-W Trip Length	miles	8.50253	3.93588

Convenience Market with Gas Pumps	Non-Res W-O Trip Length	miles	4.80598	0.00000
Convenience Market with Gas Pumps	Non-Res O-O Trip Length	miles	5.08225	0.00000
Convenience Market with Gas Pumps	Weekday Primary Trip	%	14.2400	100.0000
Convenience Market with Gas Pumps	Weekday Divert Trip	%	21.2600	0.00000
Convenience Market with Gas Pumps	Weekday Pass-By Trip	%	64.5000	0.00000
Convenience Market with Gas Pumps	Non-Res H-W Trip	%	31.7132	100.0000
Convenience Market with Gas Pumps	Non-Res W-O Trip	%	14.8513	0.00000
Convenience Market with Gas Pumps	Non-Res O-O Trip	%	53.4356	0.00000
Fast Food Restaurant with Drive Thru	Weekday Trip Rate	size/day	470.950	291.500
Fast Food Restaurant with Drive Thru	Saturday Trip Rate	size/day	616.120	392.004
Fast Food Restaurant with Drive Thru	Sunday Trip Rate	size/day	472.580	248.567
Fast Food Restaurant with Drive Thru	Non-Res H-W Trip Length	miles	8.50253	3.93588
Fast Food Restaurant with Drive Thru	Non-Res W-O Trip Length	miles	4.80598	0.00000
Fast Food Restaurant with Drive Thru	Non-Res O-O Trip Length	miles	5.08225	0.00000
Fast Food Restaurant with Drive Thru	Weekday Primary Trip	%	26.5000	100.0000
Fast Food Restaurant with Drive Thru	Weekday Divert Trip	%	24.0000	0.00000
Fast Food Restaurant with Drive Thru	Weekday Pass-By Trip	%	49.5000	0.00000

Fast Food Restaurant with Drive Thru	Non-Res H-W Trip	%	31.7132	100.0000
Fast Food Restaurant with Drive Thru	Non-Res W-O Trip	%	14.8513	0.00000
Fast Food Restaurant with Drive Thru	Non-Res O-O Trip	%	53.4356	0.00000
Automobile Care Center	Weekday Trip Rate	size/day	23.7200	102.927
Automobile Care Center	Saturday Trip Rate	size/day	23.7200	107.868
Automobile Care Center	Sunday Trip Rate	size/day	11.8800	107.868
Automobile Care Center	Non-Res H-W Trip Length	miles	8.50253	3.93588
Automobile Care Center	Non-Res W-O Trip Length	miles	4.80598	0.00000
Automobile Care Center	Non-Res O-O Trip Length	miles	5.08225	0.00000
Automobile Care Center	Weekday Primary Trip	%	53.3000	100.0000
Automobile Care Center	Weekday Divert Trip	%	11.2000	0.00000
Automobile Care Center	Weekday Pass-By Trip	%	35.5000	0.00000
Automobile Care Center	Non-Res H-W Trip	%	31.7132	100.0000
Automobile Care Center	Non-Res W-O Trip	%	14.8513	0.00000
Automobile Care Center	Non-Res O-O Trip	%	53.4356	0.00000
Unrefrigerated Warehouse-No Rail	Weekday Trip Rate	size/day	1.74000	1.18300
Unrefrigerated Warehouse-No Rail	Saturday Trip Rate	size/day	1.74000	1.27400
Unrefrigerated Warehouse-No Rail	Sunday Trip Rate	size/day	1.74000	0.91000
Unrefrigerated Warehouse-No Rail	Non-Res H-W Trip Length	miles	8.50253	3.93588
Unrefrigerated Warehouse-No Rail	Non-Res W-O Trip Length	miles	4.80598	0.00000
Unrefrigerated Warehouse-No Rail	Non-Res O-O Trip Length	miles	5.08225	0.00000
Unrefrigerated Warehouse-No Rail	Non-Res H-W Trip	%	31.7132	100.0000
Unrefrigerated Warehouse-No Rail	Non-Res W-O Trip	%	14.8513	0.00000
Unrefrigerated Warehouse-No Rail	Non-Res O-O Trip	%	53.4356	0.00000
Parking Lot	Non-Res H-W Trip	%	31.7132	100.0000
Parking Lot	Non-Res W-O Trip	%	14.8513	0.00000

Parking Lot	Non-Res O-O Trip	%	53.4356	0.00000
Other Asphalt Surfaces	Non-Res H-W Trip	%	31.7132	100.0000
Other Asphalt Surfaces	Non-Res W-O Trip	%	14.8513	0.00000
Other Asphalt Surfaces	Non-Res O-O Trip	%	53.4356	0.00000
Other Non-Asphalt Surfaces	Non-Res H-W Trip	%	31.7132	100.0000
Other Non-Asphalt Surfaces	Non-Res W-O Trip	%	14.8513	0.00000
Other Non-Asphalt Surfaces	Non-Res O-O Trip	%	53.4356	0.00000

8.5.1.2. Fleet Mix

Land Use	Season	Model Parameter	Units	Default Value	New Value
Regional Shopping Center	A	Heavy-Heavy-Duty Trucks	%	4%	1%
Regional Shopping Center	A	Passenger Cars	%	43%	43%
Regional Shopping Center	A	Light-Duty Trucks 1	%	4%	4%
Regional Shopping Center	A	Light-Duty Trucks 2	%	21%	21%
Regional Shopping Center	A	Light Heavy-Duty Trucks 1	%	4%	5%
Regional Shopping Center	A	Light Heavy-Duty Trucks 2	%	1%	2%
Regional Shopping Center	A	Motorcycles	%	2%	2%
Regional Shopping Center	A	Medium-Duty Trucks	%	19%	19%
Regional Shopping Center	A	Motor Homes	%	< 0.5%	0%
Regional Shopping Center	A	Medium-Heavy-Duty Trucks	%	2%	3%
Regional Shopping Center	A	Other Buses	%	< 0.5%	0%
Regional Shopping Center	A	School Buses	%	< 0.5%	0%
Regional Shopping Center	A	Urban Buses	%	< 0.5%	0%
Regional Shopping Center	S	Heavy-Heavy-Duty Trucks	%	4%	1%
Regional Shopping Center	S	Passenger Cars	%	43%	43%
Regional Shopping Center	S	Light-Duty Trucks 1	%	4%	4%
Regional Shopping Center	S	Light-Duty Trucks 2	%	21%	21%
Regional Shopping Center	S	Light Heavy-Duty Trucks 1	%	4%	5%

Regional Shopping Center	S	Light Heavy-Duty Trucks 2	%	1%	2%
Regional Shopping Center	S	Motorcycles	%	2%	2%
Regional Shopping Center	S	Medium-Duty Trucks	%	19%	19%
Regional Shopping Center	S	Motor Homes	%	< 0.5%	0%
Regional Shopping Center	S	Medium-Heavy-Duty Trucks	%	2%	3%
Regional Shopping Center	S	Other Buses	%	< 0.5%	0%
Regional Shopping Center	S	School Buses	%	< 0.5%	0%
Regional Shopping Center	S	Urban Buses	%	< 0.5%	0%
Regional Shopping Center	W	Heavy-Heavy-Duty Trucks	%	4%	1%
Regional Shopping Center	W	Passenger Cars	%	43%	43%
Regional Shopping Center	W	Light-Duty Trucks 1	%	4%	4%
Regional Shopping Center	W	Light-Duty Trucks 2	%	21%	21%
Regional Shopping Center	W	Light Heavy-Duty Trucks 1	%	4%	5%
Regional Shopping Center	W	Light Heavy-Duty Trucks 2	%	1%	2%
Regional Shopping Center	W	Motorcycles	%	2%	2%
Regional Shopping Center	W	Medium-Duty Trucks	%	19%	19%
Regional Shopping Center	W	Motor Homes	%	< 0.5%	0%
Regional Shopping Center	W	Medium-Heavy-Duty Trucks	%	2%	3%
Regional Shopping Center	W	Other Buses	%	< 0.5%	0%
Regional Shopping Center	W	School Buses	%	< 0.5%	0%
Regional Shopping Center	W	Urban Buses	%	< 0.5%	0%
Medical Office Building	A	Heavy-Heavy-Duty Trucks	%	4%	1%
Medical Office Building	A	Passenger Cars	%	43%	43%
Medical Office Building	A	Light-Duty Trucks 1	%	4%	4%
Medical Office Building	A	Light-Duty Trucks 2	%	21%	21%
Medical Office Building	A	Light Heavy-Duty Trucks 1	%	4%	5%
Medical Office Building	A	Light Heavy-Duty Trucks 2	%	1%	2%
Medical Office Building	A	Motorcycles	%	2%	2%

Medical Office Building	A	Medium-Duty Trucks	%	19%	19%
Medical Office Building	A	Motor Homes	%	< 0.5%	0%
Medical Office Building	A	Medium-Heavy-Duty Trucks	%	2%	3%
Medical Office Building	A	Other Buses	%	< 0.5%	0%
Medical Office Building	A	School Buses	%	< 0.5%	0%
Medical Office Building	A	Urban Buses	%	< 0.5%	0%
Medical Office Building	S	Heavy-Heavy-Duty Trucks	%	4%	1%
Medical Office Building	S	Passenger Cars	%	43%	43%
Medical Office Building	S	Light-Duty Trucks 1	%	4%	4%
Medical Office Building	S	Light-Duty Trucks 2	%	21%	21%
Medical Office Building	S	Light Heavy-Duty Trucks 1	%	4%	5%
Medical Office Building	S	Light Heavy-Duty Trucks 2	%	1%	2%
Medical Office Building	S	Motorcycles	%	2%	2%
Medical Office Building	S	Medium-Duty Trucks	%	19%	19%
Medical Office Building	S	Motor Homes	%	< 0.5%	0%
Medical Office Building	S	Medium-Heavy-Duty Trucks	%	2%	3%
Medical Office Building	S	Other Buses	%	< 0.5%	0%
Medical Office Building	S	School Buses	%	< 0.5%	0%
Medical Office Building	S	Urban Buses	%	< 0.5%	0%
Medical Office Building	W	Heavy-Heavy-Duty Trucks	%	4%	1%
Medical Office Building	W	Passenger Cars	%	43%	43%
Medical Office Building	W	Light-Duty Trucks 1	%	4%	4%
Medical Office Building	W	Light-Duty Trucks 2	%	21%	21%
Medical Office Building	W	Light Heavy-Duty Trucks 1	%	4%	5%
Medical Office Building	W	Light Heavy-Duty Trucks 2	%	1%	2%
Medical Office Building	W	Motorcycles	%	2%	2%
Medical Office Building	W	Medium-Duty Trucks	%	19%	19%
Medical Office Building	W	Motor Homes	%	< 0.5%	0%

Medical Office Building	W	Medium-Heavy-Duty Trucks	%	2%	3%
Medical Office Building	W	Other Buses	%	< 0.5%	0%
Medical Office Building	W	School Buses	%	< 0.5%	0%
Medical Office Building	W	Urban Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	A	Heavy-Heavy-Duty Trucks	%	4%	1%
Convenience Market with Gas Pumps	A	Passenger Cars	%	43%	43%
Convenience Market with Gas Pumps	A	Light-Duty Trucks 1	%	4%	4%
Convenience Market with Gas Pumps	A	Light-Duty Trucks 2	%	21%	21%
Convenience Market with Gas Pumps	A	Light Heavy-Duty Trucks 1	%	4%	5%
Convenience Market with Gas Pumps	A	Light Heavy-Duty Trucks 2	%	1%	2%
Convenience Market with Gas Pumps	A	Motorcycles	%	2%	2%
Convenience Market with Gas Pumps	A	Medium-Duty Trucks	%	19%	19%
Convenience Market with Gas Pumps	A	Motor Homes	%	< 0.5%	0%
Convenience Market with Gas Pumps	A	Medium-Heavy-Duty Trucks	%	2%	3%
Convenience Market with Gas Pumps	A	Other Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	A	School Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	A	Urban Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	S	Heavy-Heavy-Duty Trucks	%	4%	1%
Convenience Market with Gas Pumps	S	Passenger Cars	%	43%	43%

Convenience Market with Gas Pumps	S	Light-Duty Trucks 1	%	4%	4%
Convenience Market with Gas Pumps	S	Light-Duty Trucks 2	%	21%	21%
Convenience Market with Gas Pumps	S	Light Heavy-Duty Trucks 1	%	4%	5%
Convenience Market with Gas Pumps	S	Light Heavy-Duty Trucks 2	%	1%	2%
Convenience Market with Gas Pumps	S	Motorcycles	%	2%	2%
Convenience Market with Gas Pumps	S	Medium-Duty Trucks	%	19%	19%
Convenience Market with Gas Pumps	S	Motor Homes	%	< 0.5%	0%
Convenience Market with Gas Pumps	S	Medium-Heavy-Duty Trucks	%	2%	3%
Convenience Market with Gas Pumps	S	Other Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	S	School Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	S	Urban Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	W	Heavy-Heavy-Duty Trucks	%	4%	1%
Convenience Market with Gas Pumps	W	Passenger Cars	%	43%	43%
Convenience Market with Gas Pumps	W	Light-Duty Trucks 1	%	4%	4%
Convenience Market with Gas Pumps	W	Light-Duty Trucks 2	%	21%	21%
Convenience Market with Gas Pumps	W	Light Heavy-Duty Trucks 1	%	4%	5%
Convenience Market with Gas Pumps	W	Light Heavy-Duty Trucks 2	%	1%	2%

Convenience Market with Gas Pumps	W	Motorcycles	%	2%	2%
Convenience Market with Gas Pumps	W	Medium-Duty Trucks	%	19%	19%
Convenience Market with Gas Pumps	W	Motor Homes	%	< 0.5%	0%
Convenience Market with Gas Pumps	W	Medium-Heavy-Duty Trucks	%	2%	3%
Convenience Market with Gas Pumps	W	Other Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	W	School Buses	%	< 0.5%	0%
Convenience Market with Gas Pumps	W	Urban Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	A	Heavy-Heavy-Duty Trucks	%	4%	1%
Fast Food Restaurant with Drive Thru	A	Passenger Cars	%	43%	43%
Fast Food Restaurant with Drive Thru	A	Light-Duty Trucks 1	%	4%	4%
Fast Food Restaurant with Drive Thru	A	Light-Duty Trucks 2	%	21%	21%
Fast Food Restaurant with Drive Thru	A	Light Heavy-Duty Trucks 1	%	4%	5%
Fast Food Restaurant with Drive Thru	A	Light Heavy-Duty Trucks 2	%	1%	2%
Fast Food Restaurant with Drive Thru	A	Motorcycles	%	2%	2%
Fast Food Restaurant with Drive Thru	A	Medium-Duty Trucks	%	19%	19%
Fast Food Restaurant with Drive Thru	A	Motor Homes	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	A	Medium-Heavy-Duty Trucks	%	2%	3%

Fast Food Restaurant with Drive Thru	A	Other Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	A	School Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	A	Urban Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	S	Heavy-Heavy-Duty Trucks	%	4%	1%
Fast Food Restaurant with Drive Thru	S	Passenger Cars	%	43%	43%
Fast Food Restaurant with Drive Thru	S	Light-Duty Trucks 1	%	4%	4%
Fast Food Restaurant with Drive Thru	S	Light-Duty Trucks 2	%	21%	21%
Fast Food Restaurant with Drive Thru	S	Light Heavy-Duty Trucks 1	%	4%	5%
Fast Food Restaurant with Drive Thru	S	Light Heavy-Duty Trucks 2	%	1%	2%
Fast Food Restaurant with Drive Thru	S	Motorcycles	%	2%	2%
Fast Food Restaurant with Drive Thru	S	Medium-Duty Trucks	%	19%	19%
Fast Food Restaurant with Drive Thru	S	Motor Homes	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	S	Medium-Heavy-Duty Trucks	%	2%	3%
Fast Food Restaurant with Drive Thru	S	Other Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	S	School Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	S	Urban Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	W	Heavy-Heavy-Duty Trucks	%	4%	1%

Fast Food Restaurant with Drive Thru	W	Passenger Cars	%	43%	43%
Fast Food Restaurant with Drive Thru	W	Light-Duty Trucks 1	%	4%	4%
Fast Food Restaurant with Drive Thru	W	Light-Duty Trucks 2	%	21%	21%
Fast Food Restaurant with Drive Thru	W	Light Heavy-Duty Trucks 1	%	4%	5%
Fast Food Restaurant with Drive Thru	W	Light Heavy-Duty Trucks 2	%	1%	2%
Fast Food Restaurant with Drive Thru	W	Motorcycles	%	2%	2%
Fast Food Restaurant with Drive Thru	W	Medium-Duty Trucks	%	19%	19%
Fast Food Restaurant with Drive Thru	W	Motor Homes	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	W	Medium-Heavy-Duty Trucks	%	2%	3%
Fast Food Restaurant with Drive Thru	W	Other Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	W	School Buses	%	< 0.5%	0%
Fast Food Restaurant with Drive Thru	W	Urban Buses	%	< 0.5%	0%
Automobile Care Center	A	Heavy-Heavy-Duty Trucks	%	4%	1%
Automobile Care Center	A	Passenger Cars	%	43%	43%
Automobile Care Center	A	Light-Duty Trucks 1	%	4%	4%
Automobile Care Center	A	Light-Duty Trucks 2	%	21%	21%
Automobile Care Center	A	Light Heavy-Duty Trucks 1	%	4%	5%
Automobile Care Center	A	Light Heavy-Duty Trucks 2	%	1%	2%
Automobile Care Center	A	Motorcycles	%	2%	2%
Automobile Care Center	A	Medium-Duty Trucks	%	19%	19%
Automobile Care Center	A	Motor Homes	%	< 0.5%	0%

Automobile Care Center	A	Medium-Heavy-Duty Trucks	%	2%	3%
Automobile Care Center	A	Other Buses	%	< 0.5%	0%
Automobile Care Center	A	School Buses	%	< 0.5%	0%
Automobile Care Center	A	Urban Buses	%	< 0.5%	0%
Automobile Care Center	S	Heavy-Heavy-Duty Trucks	%	4%	1%
Automobile Care Center	S	Passenger Cars	%	43%	43%
Automobile Care Center	S	Light-Duty Trucks 1	%	4%	4%
Automobile Care Center	S	Light-Duty Trucks 2	%	21%	21%
Automobile Care Center	S	Light Heavy-Duty Trucks 1	%	4%	5%
Automobile Care Center	S	Light Heavy-Duty Trucks 2	%	1%	2%
Automobile Care Center	S	Motorcycles	%	2%	2%
Automobile Care Center	S	Medium-Duty Trucks	%	19%	19%
Automobile Care Center	S	Motor Homes	%	< 0.5%	0%
Automobile Care Center	S	Medium-Heavy-Duty Trucks	%	2%	3%
Automobile Care Center	S	Other Buses	%	< 0.5%	0%
Automobile Care Center	S	School Buses	%	< 0.5%	0%
Automobile Care Center	S	Urban Buses	%	< 0.5%	0%
Automobile Care Center	W	Heavy-Heavy-Duty Trucks	%	4%	1%
Automobile Care Center	W	Passenger Cars	%	43%	43%
Automobile Care Center	W	Light-Duty Trucks 1	%	4%	4%
Automobile Care Center	W	Light-Duty Trucks 2	%	21%	21%
Automobile Care Center	W	Light Heavy-Duty Trucks 1	%	4%	5%
Automobile Care Center	W	Light Heavy-Duty Trucks 2	%	1%	2%
Automobile Care Center	W	Motorcycles	%	2%	2%
Automobile Care Center	W	Medium-Duty Trucks	%	19%	19%
Automobile Care Center	W	Motor Homes	%	< 0.5%	0%
Automobile Care Center	W	Medium-Heavy-Duty Trucks	%	2%	3%
Automobile Care Center	W	Other Buses	%	< 0.5%	0%

Automobile Care Center	W	School Buses	%	< 0.5%	0%
Automobile Care Center	W	Urban Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	A	Heavy-Heavy-Duty Trucks	%	4%	1%
Unrefrigerated Warehouse-No Rail	A	Passenger Cars	%	43%	43%
Unrefrigerated Warehouse-No Rail	A	Light-Duty Trucks 1	%	4%	4%
Unrefrigerated Warehouse-No Rail	A	Light-Duty Trucks 2	%	21%	21%
Unrefrigerated Warehouse-No Rail	A	Light Heavy-Duty Trucks 1	%	4%	5%
Unrefrigerated Warehouse-No Rail	A	Light Heavy-Duty Trucks 2	%	1%	2%
Unrefrigerated Warehouse-No Rail	A	Motorcycles	%	2%	2%
Unrefrigerated Warehouse-No Rail	A	Medium-Duty Trucks	%	19%	19%
Unrefrigerated Warehouse-No Rail	A	Motor Homes	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	A	Medium-Heavy-Duty Trucks	%	2%	3%
Unrefrigerated Warehouse-No Rail	A	Other Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	A	School Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	A	Urban Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	S	Heavy-Heavy-Duty Trucks	%	4%	1%
Unrefrigerated Warehouse-No Rail	S	Passenger Cars	%	43%	43%
Unrefrigerated Warehouse-No Rail	S	Light-Duty Trucks 1	%	4%	4%

Unrefrigerated Warehouse-No Rail	S	Light-Duty Trucks 2	%	21%	21%
Unrefrigerated Warehouse-No Rail	S	Light Heavy-Duty Trucks 1	%	4%	5%
Unrefrigerated Warehouse-No Rail	S	Light Heavy-Duty Trucks 2	%	1%	2%
Unrefrigerated Warehouse-No Rail	S	Motorcycles	%	2%	2%
Unrefrigerated Warehouse-No Rail	S	Medium-Duty Trucks	%	19%	19%
Unrefrigerated Warehouse-No Rail	S	Motor Homes	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	S	Medium-Heavy-Duty Trucks	%	2%	3%
Unrefrigerated Warehouse-No Rail	S	Other Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	S	School Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	S	Urban Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	W	Heavy-Heavy-Duty Trucks	%	4%	1%
Unrefrigerated Warehouse-No Rail	W	Passenger Cars	%	43%	43%
Unrefrigerated Warehouse-No Rail	W	Light-Duty Trucks 1	%	4%	4%
Unrefrigerated Warehouse-No Rail	W	Light-Duty Trucks 2	%	21%	21%
Unrefrigerated Warehouse-No Rail	W	Light Heavy-Duty Trucks 1	%	4%	5%
Unrefrigerated Warehouse-No Rail	W	Light Heavy-Duty Trucks 2	%	1%	2%
Unrefrigerated Warehouse-No Rail	W	Motorcycles	%	2%	2%

Unrefrigerated Warehouse-No Rail	W	Medium-Duty Trucks	%	19%	19%
Unrefrigerated Warehouse-No Rail	W	Motor Homes	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	W	Medium-Heavy-Duty Trucks	%	2%	3%
Unrefrigerated Warehouse-No Rail	W	Other Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	W	School Buses	%	< 0.5%	0%
Unrefrigerated Warehouse-No Rail	W	Urban Buses	%	< 0.5%	0%

8.5.3. Energy Usage

Land Use	Model Parameter	Units	Default Value	New Value
Regional Shopping Center	Electricity	kWh/yr	2,587,758	2,289,721
Regional Shopping Center	Electricity (Subject to Title 24)	kWh/yr	1,998,734	1,693,504
Regional Shopping Center	Electricity (Not Subject to Title 24)	kWh/yr	589,025	596,217
Regional Shopping Center	Natural Gas	kBTU/yr	2,399,623	225,185
Regional Shopping Center	Natural Gas (Subject to Title 24)	kBTU/yr	2,372,541	222,643
Regional Shopping Center	Natural Gas (Not Subject to Title 24)	kBTU/yr	27,082.0	2,541.42
Medical Office Building	Electricity	kWh/yr	214,042	320,901
Medical Office Building	Electricity (Subject to Title 24)	kWh/yr	148,179	241,869
Medical Office Building	Electricity (Not Subject to Title 24)	kWh/yr	65,863.0	79,032.2
Medical Office Building	Natural Gas	kBTU/yr	364,604	0.00000
Medical Office Building	Natural Gas (Subject to Title 24)	kBTU/yr	319,671	0.00000
Medical Office Building	Natural Gas (Not Subject to Title 24)	kBTU/yr	44,933.1	0.00000
Convenience Market with Gas Pumps	Electricity	kWh/yr	25,106.0	29,290.6
Convenience Market with Gas Pumps	Electricity (Subject to Title 24)	kWh/yr	11,606.9	14,453.7

Convenience Market with Gas Pumps	Electricity (Not Subject to Title 24)	kWh/yr	13,499.1	14,836.9
Convenience Market with Gas Pumps	Natural Gas	kBTU/yr	14,277.8	0.00000
Convenience Market with Gas Pumps	Natural Gas (Subject to Title 24)	kBTU/yr	9,713.10	0.00000
Convenience Market with Gas Pumps	Natural Gas (Not Subject to Title 24)	kBTU/yr	4,564.75	0.00000
Automobile Care Center	Electricity	kWh/yr	48,642.9	97,877.0
Automobile Care Center	Electricity (Subject to Title 24)	kWh/yr	24,182.7	44,007.3
Automobile Care Center	Electricity (Not Subject to Title 24)	kWh/yr	24,460.3	53,869.7
Automobile Care Center	Natural Gas	kBTU/yr	167,987	0.00000
Automobile Care Center	Natural Gas (Subject to Title 24)	kBTU/yr	67,641.4	0.00000
Automobile Care Center	Natural Gas (Not Subject to Title 24)	kBTU/yr	100,345	0.00000
Unrefrigerated Warehouse-No Rail	Electricity	kWh/yr	429,593	492,127
Unrefrigerated Warehouse-No Rail	Electricity (Subject to Title 24)	kWh/yr	158,782	211,423
Unrefrigerated Warehouse-No Rail	Electricity (Not Subject to Title 24)	kWh/yr	270,811	280,704
Unrefrigerated Warehouse-No Rail	Natural Gas	kBTU/yr	213,366	0.00000
Unrefrigerated Warehouse-No Rail	Natural Gas (Subject to Title 24)	kBTU/yr	179,609	0.00000
Unrefrigerated Warehouse-No Rail	Natural Gas (Not Subject to Title 24)	kBTU/yr	33,756.8	0.00000

8.5.4. Water and Waste Water

Land Use	Model Parameter	Units	Default Value	New Value
Regional Shopping Center	Indoor Water	gal/year	18,151,545	43,512,007
Regional Shopping Center	Outdoor Water	gal/year	5,354,055	0.00000
Medical Office Building	Indoor Water	gal/year	1,145,512	0.00000
Convenience Market with Gas Pumps	Indoor Water	gal/year	418,287	0.00000
Fast Food Restaurant with Drive Thru	Indoor Water	gal/year	5,120,917	0.00000

Automobile Care Center	Indoor Water	gal/year	385,733	0.00000
Unrefrigerated Warehouse-No Rail	Indoor Water	gal/year	9,250,000	0.00000

8.6. Measure Input Overrides

8.6.2. Operations Measure Inputs

Sector	Measure Number	Land Use Subtype	Equipment Type	Model Parameter	Default Value	New Value
Area Sources	AS-2	—	Non-residential Exterior	ROG Ef	2.00000	25.0000
Area Sources	AS-2	—	Parking	ROG Ef	2.00000	25.0000

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	LOKH-01_Operation Phase 2
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70000
Precipitation (days)	18.0000
Location	35.382244024302594, -119.09464262587437
County	Kern-San Joaquin
City	Bakersfield
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2817
EDFZ	5
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Southern California Gas
App Version	2022.1.1.41

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Regional Shopping Center	89.9520	1000sqft	1.77000	89,952.0	51,171.0	0.00000	—	—
Parking Lot	371.000	Space	4.95000	0.00000	0.00000	—	—	—

Other Asphalt Surfaces	108.717	1000sqft	2.49580	0.00000	0.00000	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.3. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	12.8481	12.3243	6.68852	56.5675	0.11677	0.12012	9.14141	9.26153	0.11279	2.32363	2.43642	71.6853	12,547.6	12,619.3	7.89485	0.71311	38.0964	13,067.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	11.1911	10.6669	7.52978	49.0062	0.10706	0.11330	9.14141	9.25471	0.10766	2.32363	2.43129	71.6853	11,573.8	11,645.5	8.02119	0.75886	1.40853	12,073.6
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	10.7957	10.3171	6.52610	45.1341	0.10061	0.10859	8.27199	8.38059	0.10260	2.10304	2.20564	71.6853	10,909.7	10,981.4	7.90049	0.67555	15.3195	11,395.6
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.97021	1.88287	1.19101	8.23698	0.01836	0.01982	1.50964	1.52946	0.01872	0.38380	0.40253	11.8683	1,806.23	1,818.10	1.30802	0.11184	2.53631	1,886.66

2.4. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	10.0365	9.57941	6.41901	52.4567	0.11511	0.09519	9.14141	9.23660	0.08955	2.32363	2.41319	—	11,737.9	11,737.9	0.56791	0.65178	37.6646	11,984.0
Area	2.78559	2.73190	0.03292	3.91211	0.00023	0.00695	—	0.00695	0.00525	—	0.00525	—	16.0876	16.0876	0.00067	0.00014	—	16.1456
Energy	0.02603	0.01301	0.23659	0.19874	0.00142	0.01798	—	0.01798	0.01798	—	0.01798	—	769.721	769.721	0.10384	0.01009	—	775.324
Water	—	—	—	—	—	—	—	—	—	—	—	20.7828	23.8755	44.6582	2.13490	0.05110	—	113.259
Waste	—	—	—	—	—	—	—	—	—	—	—	50.9026	0.00000	50.9026	5.08753	0.00000	—	178.091
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43183	0.43183
Total	12.8481	12.3243	6.68852	56.5675	0.11677	0.12012	9.14141	9.26153	0.11279	2.32363	2.43642	71.6853	12,547.6	12,619.3	7.89485	0.71311	38.0964	13,067.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	9.07564	8.56445	7.29318	48.8075	0.10564	0.09532	9.14141	9.23673	0.08968	2.32363	2.41331	—	10,780.2	10,780.2	0.69493	0.69767	0.97670	11,006.5
Area	2.08946	2.08946	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.02603	0.01301	0.23659	0.19874	0.00142	0.01798	—	0.01798	0.01798	—	0.01798	—	769.721	769.721	0.10384	0.01009	—	775.324
Water	—	—	—	—	—	—	—	—	—	—	—	20.7828	23.8755	44.6582	2.13490	0.05110	—	113.259
Waste	—	—	—	—	—	—	—	—	—	—	—	50.9026	0.00000	50.9026	5.08753	0.00000	—	178.091
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43183	0.43183
Total	11.1911	10.6669	7.52978	49.0062	0.10706	0.11330	9.14141	9.25471	0.10766	2.32363	2.43129	71.6853	11,573.8	11,645.5	8.02119	0.75886	1.40853	12,073.6
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	8.33690	7.89783	6.27328	43.0061	0.09908	0.08719	8.27199	8.35918	0.08203	2.10304	2.18507	—	10,108.2	10,108.2	0.57389	0.61429	14.8876	10,320.5
Area	2.43276	2.40628	0.01623	1.92926	0.00012	0.00343	—	0.00343	0.00259	—	0.00259	—	7.93362	7.93362	0.00033	0.00007	—	7.96222
Energy	0.02603	0.01301	0.23659	0.19874	0.00142	0.01798	—	0.01798	0.01798	—	0.01798	—	769.721	769.721	0.10384	0.01009	—	775.324
Water	—	—	—	—	—	—	—	—	—	—	—	20.7828	23.8755	44.6582	2.13490	0.05110	—	113.259
Waste	—	—	—	—	—	—	—	—	—	—	—	50.9026	0.00000	50.9026	5.08753	0.00000	—	178.091
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43183	0.43183
Total	10.7957	10.3171	6.52610	45.1341	0.10061	0.10859	8.27199	8.38059	0.10260	2.10304	2.20564	71.6853	10,909.7	10,981.4	7.90049	0.67555	15.3195	11,395.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	1.52148	1.44135	1.14487	7.84862	0.01808	0.01591	1.50964	1.52555	0.01497	0.38380	0.39877	—	1,673.53	1,673.53	0.09501	0.10170	2.46482	1,708.67
Area	0.44398	0.43915	0.00296	0.35209	0.00002	0.00063	—	0.00063	0.00047	—	0.00047	—	1.31350	1.31350	0.00006	0.00001	—	1.31824
Energy	0.00475	0.00237	0.04318	0.03627	0.00026	0.00328	—	0.00328	0.00328	—	0.00328	—	127.436	127.436	0.01719	0.00167	—	128.364
Water	—	—	—	—	—	—	—	—	—	—	—	3.44082	3.95285	7.39368	0.35346	0.00846	—	18.7513
Waste	—	—	—	—	—	—	—	—	—	—	—	8.42750	0.00000	8.42750	0.84230	0.00000	—	29.4850
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07149	0.07149
Total	1.97021	1.88287	1.19101	8.23698	0.01836	0.01982	1.50964	1.52946	0.01872	0.38380	0.40253	11.8683	1,806.23	1,818.10	1.30802	0.11184	2.53631	1,886.66

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	10.0365	9.57941	6.41901	52.4567	0.11511	0.09519	9.14141	9.23660	0.08955	2.32363	2.41319	—	11,737.9	11,737.9	0.56791	0.65178	37.6646	11,984.0
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	10.0365	9.57941	6.41901	52.4567	0.11511	0.09519	9.14141	9.23660	0.08955	2.32363	2.41319	—	11,737.9	11,737.9	0.56791	0.65178	37.6646	11,984.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Regiona Shopping Center	9.07564	8.56445	7.29318	48.8075	0.10564	0.09532	9.14141	9.23673	0.08968	2.32363	2.41331	—	10,780.2	10,780.2	0.69493	0.69767	0.97670	11,006.5
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	9.07564	8.56445	7.29318	48.8075	0.10564	0.09532	9.14141	9.23673	0.08968	2.32363	2.41331	—	10,780.2	10,780.2	0.69493	0.69767	0.97670	11,006.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	1.52148	1.44135	1.14487	7.84862	0.01808	0.01591	1.50964	1.52555	0.01497	0.38380	0.39877	—	1,673.53	1,673.53	0.09501	0.10170	2.46482	1,708.67
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	1.52148	1.44135	1.14487	7.84862	0.01808	0.01591	1.50964	1.52555	0.01497	0.38380	0.39877	—	1,673.53	1,673.53	0.09501	0.10170	2.46482	1,708.67

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	381.865	381.865	0.06178	0.00749	—	385.641
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	105.560	105.560	0.01708	0.00207	—	106.604
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	487.425	487.425	0.07885	0.00956	—	492.245
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	381.865	381.865	0.06178	0.00749	—	385.641
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	105.560	105.560	0.01708	0.00207	—	106.604
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	487.425	487.425	0.07885	0.00956	—	492.245
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	63.2221	63.2221	0.01023	0.00124	—	63.8473
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	17.4766	17.4766	0.00283	0.00034	—	17.6494
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	80.6988	80.6988	0.01306	0.00158	—	81.4967

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.02603	0.01301	0.23659	0.19874	0.00142	0.01798	—	0.01798	0.01798	—	0.01798	—	282.297	282.297	0.02498	0.00053	—	283.079
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.02603	0.01301	0.23659	0.19874	0.00142	0.01798	—	0.01798	0.01798	—	0.01798	—	282.297	282.297	0.02498	0.00053	—	283.079
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.02603	0.01301	0.23659	0.19874	0.00142	0.01798	—	0.01798	0.01798	—	0.01798	—	282.297	282.297	0.02498	0.00053	—	283.079
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.02603	0.01301	0.23659	0.19874	0.00142	0.01798	—	0.01798	0.01798	—	0.01798	—	282.297	282.297	0.02498	0.00053	—	283.079
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Regional Shopping	0.00475	0.00237	0.04318	0.03627	0.00026	0.00328	—	0.00328	0.00328	—	0.00328	—	46.7374	46.7374	0.00414	0.00009	—	46.8670
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00475	0.00237	0.04318	0.03627	0.00026	0.00328	—	0.00328	0.00328	—	0.00328	—	46.7374	46.7374	0.00414	0.00009	—	46.8670

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.95048	1.95048	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.13898	0.13898	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.69613	0.64244	0.03292	3.91211	0.00023	0.00695	—	0.00695	0.00525	—	0.00525	—	16.0876	16.0876	0.00067	0.00014	—	16.1456
Total	2.78559	2.73190	0.03292	3.91211	0.00023	0.00695	—	0.00695	0.00525	—	0.00525	—	16.0876	16.0876	0.00067	0.00014	—	16.1456
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consum Products	1.95048	1.95048	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.13898	0.13898	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	2.08946	2.08946	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.35596	0.35596	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.02536	0.02536	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.06265	0.05782	0.00296	0.35209	0.00002	0.00063	—	0.00063	0.00047	—	0.00047	—	1.31350	1.31350	0.00006	0.00001	—	1.31824
Total	0.44398	0.43915	0.00296	0.35209	0.00002	0.00063	—	0.00063	0.00047	—	0.00047	—	1.31350	1.31350	0.00006	0.00001	—	1.31824

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	20.7828	23.8755	44.6582	2.13490	0.05110	—	113.259

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	20.7828	23.8755	44.6582	2.13490	0.05110	—	113.259
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	20.7828	23.8755	44.6582	2.13490	0.05110	—	113.259
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	20.7828	23.8755	44.6582	2.13490	0.05110	—	113.259
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	3.44082	3.95285	7.39368	0.35346	0.00846	—	18.7513
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	3.44082	3.95285	7.39368	0.35346	0.00846	—	18.7513

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	50.9026	0.00000	50.9026	5.08753	0.00000	—	178.091
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	50.9026	0.00000	50.9026	5.08753	0.00000	—	178.091
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	50.9026	0.00000	50.9026	5.08753	0.00000	—	178.091
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	50.9026	0.00000	50.9026	5.08753	0.00000	—	178.091
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Regional Shopping	—	—	—	—	—	—	—	—	—	—	—	8.42750	0.00000	8.42750	0.84230	0.00000	—	29.4850
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	8.42750	0.00000	8.42750	0.84230	0.00000	—	29.4850

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43183	0.43183
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43183	0.43183
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43183	0.43183
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43183	0.43183

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07149	0.07149
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07149	0.07149

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Regional Shopping Center	3,268.00	3,255.07	1,345.89	1,091,921	12,862.4	12,811.6	5,297.26	4,297,668
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Regional Shopping Center	Wood Fireplaces	0	0
Regional Shopping Center	Gas Fireplaces	0	0
Regional Shopping Center	Propane Fireplaces	0	0
Regional Shopping Center	Electric Fireplaces	0	0
Regional Shopping Center	No Fireplaces	0	0
Regional Shopping Center	Conventional Wood Stoves	0	0
Regional Shopping Center	Catalytic Wood Stoves	0	0
Regional Shopping Center	Non-Catalytic Wood Stoves	0	0
Regional Shopping Center	Pellet Wood Stoves	0	0
Parking Lot	Wood Fireplaces	0	0

Parking Lot	Gas Fireplaces	0	0
Parking Lot	Propane Fireplaces	0	0
Parking Lot	Electric Fireplaces	0	0
Parking Lot	No Fireplaces	0	0
Parking Lot	Conventional Wood Stoves	0	0
Parking Lot	Catalytic Wood Stoves	0	0
Parking Lot	Non-Catalytic Wood Stoves	0	0
Parking Lot	Pellet Wood Stoves	0	0
Other Asphalt Surfaces	Wood Fireplaces	0	0
Other Asphalt Surfaces	Gas Fireplaces	0	0
Other Asphalt Surfaces	Propane Fireplaces	0	0
Other Asphalt Surfaces	Electric Fireplaces	0	0
Other Asphalt Surfaces	No Fireplaces	0	0
Other Asphalt Surfaces	Conventional Wood Stoves	0	0
Other Asphalt Surfaces	Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Non-Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Pellet Wood Stoves	0	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0.00000	0.00000	134,928	44,976.0	19,460.3

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	180.000

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Regional Shopping Center	683,296	203.983	0.0330	0.0040	880,841
Parking Lot	188,885	203.983	0.0330	0.0040	0.00000
Other Asphalt Surfaces	0.00000	203.983	0.0330	0.0040	0.00000

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Regional Shopping Center	10,845,618	0.00000
Parking Lot	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Regional Shopping Center	94.4496	0.00000
Parking Lot	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430.00	0.03750	1.000000	0.00000	1.000000

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	20.0600	annual days of extreme heat
Extreme Precipitation	0.00000	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00000	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A

Wildfire	N/A	N/A	N/A	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	93.6279
AQ-PM	99.3155
AQ-DPM	54.8102
Drinking Water	72.9986
Lead Risk Housing	7.14556
Pesticides	0.00000
Toxic Releases	39.1223
Traffic	67.1875
Effect Indicators	—
CleanUp Sites	27.4916
Groundwater	59.6048
Haz Waste Facilities/Generators	53.5142
Impaired Water Bodies	0.00000
Solid Waste	0.00000
Sensitive Population	—
Asthma	21.0867
Cardio-vascular	30.7951
Low Birth Weights	28.0729
Socioeconomic Factor Indicators	—
Education	29.6760
Housing	15.5006
Linguistic	21.4237
Poverty	22.0101
Unemployment	67.4779

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	74.07930194
Employed	65.05838573
Median HI	66.79070961
Education	—
Bachelor's or higher	57.08969588
High school enrollment	100
Preschool enrollment	17.9006801
Transportation	—
Auto Access	52.9449506
Active commuting	56.70473502
Social	—
2-parent households	19.17105094
Voting	67.22699859
Neighborhood	—
Alcohol availability	71.87219299
Park access	52.55998973
Retail density	27.37071731
Supermarket access	19.78698832
Tree canopy	9.187732581
Housing	—
Homeownership	39.93327345
Housing habitability	84.98652637
Low-inc homeowner severe housing cost burden	93.301681
Low-inc renter severe housing cost burden	84.08828436

Uncrowded housing	70.21686129
Health Outcomes	—
Insured adults	92.01847812
Arthritis	31.2
Asthma ER Admissions	73.6
High Blood Pressure	29.0
Cancer (excluding skin)	16.1
Asthma	51.9
Coronary Heart Disease	37.1
Chronic Obstructive Pulmonary Disease	50.7
Diagnosed Diabetes	80.8
Life Expectancy at Birth	53.0
Cognitively Disabled	66.4
Physically Disabled	26.6
Heart Attack ER Admissions	46.6
Mental Health Not Good	60.0
Chronic Kidney Disease	45.1
Obesity	52.4
Pedestrian Injuries	74.9
Physical Health Not Good	65.0
Stroke	45.2
Health Risk Behaviors	—
Binge Drinking	11.3
Current Smoker	53.5
No Leisure Time for Physical Activity	58.6
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0

Children	53.3
Elderly	40.9
English Speaking	76.1
Foreign-born	16.0
Outdoor Workers	46.6
Climate Change Adaptive Capacity	—
Impervious Surface Cover	59.7
Traffic Density	56.7
Traffic Access	0.0
Other Indices	—
Hardship	35.5
Other Decision Support	—
2016 Voting	53.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	30.0000
Healthy Places Index Score for Project Location (b)	57.0000
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Land Use	Based on information provided.
Operations: Vehicle Data	Based on information provided by the project traffic consultant.
Operations: Fleet Mix	Based on information provided by the traffic consultant.
Operations: Energy Use	The estimated 266,604 kWh/yr of renewable electricity generated from onsite PV system for Phase 2 is subtracted from the Title 24 electricity default total.
Operations: Water and Waste Water	Based on the full buildout demand from the Water Supply and Demand Analysis Coffee and Rosedale Commercial Retail Development Project study prepared by PlaceWorks. For purposes of modeling, all project water demand assigned to the Regional Shopping Center land use.

8.3. Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	acre	2.06501	1.77000
Landscape Area	sq. ft	—	51,171.0
Special Landscape Area	sq. ft	—	0.00000
Lot Area	acre	3.33900	4.95000
Landscape Area	sq. ft	—	0.00000

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

Land Use	Model Parameter	Units	Default Value	New Value
Regional Shopping Center	Weekday Trip Rate	size/day	37.7500	36.3305
Regional Shopping Center	Saturday Trip Rate	size/day	46.1200	36.1867
Regional Shopping Center	Sunday Trip Rate	size/day	21.1000	14.9623
Regional Shopping Center	Non-Res H-W Trip Length	miles	8.50253	3.93588
Regional Shopping Center	Non-Res W-O Trip Length	miles	4.80598	0.00000
Regional Shopping Center	Non-Res O-O Trip Length	miles	5.08225	0.00000
Regional Shopping Center	Weekday Primary Trip	%	37.9200	100.0000
Regional Shopping Center	Weekday Divert Trip	%	28.0800	0.00000
Regional Shopping Center	Weekday Pass-By Trip	%	34.0000	0.00000
Regional Shopping Center	Saturday Primary Trip	%	42.5100	100.0000
Regional Shopping Center	Saturday Divert Trip	%	31.4900	0.00000
Regional Shopping Center	Saturday Pass-By Trip	%	26.0000	0.00000
Regional Shopping Center	Sunday Primary Trip	%	42.5100	100.0000
Regional Shopping Center	Sunday Divert Trip	%	31.4900	0.00000
Regional Shopping Center	Sunday Pass-By Trip	%	26.0000	0.00000
Regional Shopping Center	Non-Res H-W Trip	%	31.7132	100.0000
Regional Shopping Center	Non-Res W-O Trip	%	14.8513	0.00000
Regional Shopping Center	Non-Res O-O Trip	%	53.4356	0.00000
Parking Lot	Non-Res H-W Trip	%	31.7132	100.0000
Parking Lot	Non-Res W-O Trip	%	14.8513	0.00000
Parking Lot	Non-Res O-O Trip	%	53.4356	0.00000
Other Asphalt Surfaces	Non-Res H-W Trip	%	31.7132	100.0000
Other Asphalt Surfaces	Non-Res W-O Trip	%	14.8513	0.00000
Other Asphalt Surfaces	Non-Res O-O Trip	%	53.4356	0.00000

8.5.1.2. Fleet Mix

Land Use	Season	Model Parameter	Units	Default Value	New Value
Regional Shopping Center	A	Heavy-Heavy-Duty Trucks	%	4%	1%
Regional Shopping Center	A	Passenger Cars	%	43%	43%
Regional Shopping Center	A	Light-Duty Trucks 1	%	4%	4%
Regional Shopping Center	A	Light-Duty Trucks 2	%	22%	22%
Regional Shopping Center	A	Light Heavy-Duty Trucks 1	%	3%	5%
Regional Shopping Center	A	Light Heavy-Duty Trucks 2	%	1%	2%
Regional Shopping Center	A	Motorcycles	%	2%	2%
Regional Shopping Center	A	Medium-Duty Trucks	%	19%	19%
Regional Shopping Center	A	Motor Homes	%	< 0.5%	0%
Regional Shopping Center	A	Medium-Heavy-Duty Trucks	%	2%	3%
Regional Shopping Center	A	Other Buses	%	< 0.5%	0%
Regional Shopping Center	A	School Buses	%	< 0.5%	0%
Regional Shopping Center	A	Urban Buses	%	< 0.5%	0%
Regional Shopping Center	S	Heavy-Heavy-Duty Trucks	%	4%	1%
Regional Shopping Center	S	Passenger Cars	%	43%	43%
Regional Shopping Center	S	Light-Duty Trucks 1	%	4%	4%
Regional Shopping Center	S	Light-Duty Trucks 2	%	22%	22%
Regional Shopping Center	S	Light Heavy-Duty Trucks 1	%	3%	5%
Regional Shopping Center	S	Light Heavy-Duty Trucks 2	%	1%	2%
Regional Shopping Center	S	Motorcycles	%	2%	2%
Regional Shopping Center	S	Medium-Duty Trucks	%	19%	19%
Regional Shopping Center	S	Motor Homes	%	< 0.5%	0%
Regional Shopping Center	S	Medium-Heavy-Duty Trucks	%	2%	3%
Regional Shopping Center	S	Other Buses	%	< 0.5%	0%
Regional Shopping Center	S	School Buses	%	< 0.5%	0%
Regional Shopping Center	S	Urban Buses	%	< 0.5%	0%

Regional Shopping Center	W	Heavy-Heavy-Duty Trucks	%	4%	1%
Regional Shopping Center	W	Passenger Cars	%	43%	43%
Regional Shopping Center	W	Light-Duty Trucks 1	%	4%	4%
Regional Shopping Center	W	Light-Duty Trucks 2	%	22%	22%
Regional Shopping Center	W	Light Heavy-Duty Trucks 1	%	3%	5%
Regional Shopping Center	W	Light Heavy-Duty Trucks 2	%	1%	2%
Regional Shopping Center	W	Motorcycles	%	2%	2%
Regional Shopping Center	W	Medium-Duty Trucks	%	19%	19%
Regional Shopping Center	W	Motor Homes	%	< 0.5%	0%
Regional Shopping Center	W	Medium-Heavy-Duty Trucks	%	2%	3%
Regional Shopping Center	W	Other Buses	%	< 0.5%	0%
Regional Shopping Center	W	School Buses	%	< 0.5%	0%
Regional Shopping Center	W	Urban Buses	%	< 0.5%	0%

8.5.3. Energy Usage

Land Use	Model Parameter	Units	Default Value	New Value
Regional Shopping Center	Electricity	kWh/yr	949,900	683,296
Regional Shopping Center	Electricity (Subject to Title 24)	kWh/yr	733,684	467,080
Regional Shopping Center	Natural Gas (Not Subject to Title 24)	kBTU/yr	9,941.11	9,941.11

8.5.4. Water and Waste Water

Land Use	Model Parameter	Units	Default Value	New Value
Regional Shopping Center	Indoor Water	gal/year	6,662,971	10,845,618
Regional Shopping Center	Outdoor Water	gal/year	834,582	0.00000

LOKH-01_Operation Phase 2_Mitigated_AQ Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	LOKH-01_Operation Phase 2_Mitigated_AQ
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70000
Precipitation (days)	18.0000
Location	35.382244024302594, -119.09464262587437
County	Kern-San Joaquin
City	Bakersfield
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2817
EDFZ	5
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Southern California Gas
App Version	2022.1.1.41

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Regional Shopping Center	89.9520	1000sqft	1.77000	89,952.0	51,171.0	0.00000	—	—
Parking Lot	371.000	Space	4.95000	0.00000	0.00000	—	—	—

Other Asphalt Surfaces	108.717	1000sqft	2.49580	0.00000	0.00000	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Area Sources	LL-1	Replace Gas Powered Landscape Equipment with Zero-Emission Landscape Equipment
Area Sources	AS-2	Use Low-VOC Paints

2. Emissions Summary

2.3. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	12.8481	12.3243	6.68852	56.5675	0.11677	0.12012	9.14141	9.26153	0.11279	2.32363	2.43642	71.6853	12,547.6	12,619.3	7.89485	0.71311	38.0964	13,067.3
Mit.	12.1191	11.6491	6.65560	52.6554	0.11653	0.11317	9.14141	9.25458	0.10753	2.32363	2.43117	71.6853	12,532.9	12,604.6	7.89440	0.71300	38.0964	13,052.5
% Reduced	6%	5%	< 0.5%	7%	—	6%	—	< 0.5%	5%	—	< 0.5%	—	< 0.5%	< 0.5%	—	—	—	< 0.5%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	11.1911	10.6669	7.52978	49.0062	0.10706	0.11330	9.14141	9.25471	0.10766	2.32363	2.43129	71.6853	11,573.8	11,645.5	8.02119	0.75886	1.40853	12,073.6
Mit.	11.1583	10.6341	7.52978	49.0062	0.10706	0.11330	9.14141	9.25471	0.10766	2.32363	2.43129	71.6853	11,573.8	11,645.5	8.02119	0.75886	1.40853	12,073.6
% Reduced	< 0.5%	< 0.5%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	10.7957	10.3171	6.52610	45.1341	0.10061	0.10859	8.27199	8.38059	0.10260	2.10304	2.20564	71.6853	10,909.7	10,981.4	7.90049	0.67555	15.3195	11,395.6
Mit.	10.4196	9.96748	6.50987	43.2049	0.10050	0.10517	8.27199	8.37716	0.10001	2.10304	2.20305	71.6853	10,902.5	10,974.2	7.90027	0.67550	15.3195	11,388.3
% Reduced	3%	3%	< 0.5%	4%	—	3%	—	< 0.5%	3%	—	< 0.5%	—	< 0.5%	< 0.5%	—	—	—	< 0.5%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.97021	1.88287	1.19101	8.23698	0.01836	0.01982	1.50964	1.52946	0.01872	0.38380	0.40253	11.8683	1,806.23	1,818.10	1.30802	0.11184	2.53631	1,886.66
Mit.	1.90157	1.81907	1.18805	7.88489	0.01834	0.01919	1.50964	1.52883	0.01825	0.38380	0.40206	11.8683	1,805.03	1,816.90	1.30798	0.11184	2.53631	1,885.46
% Reduced	3%	3%	< 0.5%	4%	< 0.5%	3%	—	< 0.5%	3%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

2.4. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	10.0365	9.57941	6.41901	52.4567	0.11511	0.09519	9.14141	9.23660	0.08955	2.32363	2.41319	—	11,737.9	11,737.9	0.56791	0.65178	37.6646	11,984.0
Area	2.78559	2.73190	0.03292	3.91211	0.00023	0.00695	—	0.00695	0.00525	—	0.00525	—	16.0876	16.0876	0.00067	0.00014	—	16.1456
Energy	0.02603	0.01301	0.23659	0.19874	0.00142	0.01798	—	0.01798	0.01798	—	0.01798	—	769.721	769.721	0.10384	0.01009	—	775.324
Water	—	—	—	—	—	—	—	—	—	—	—	20.7828	23.8755	44.6582	2.13490	0.05110	—	113.259
Waste	—	—	—	—	—	—	—	—	—	—	—	50.9026	0.00000	50.9026	5.08753	0.00000	—	178.091
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43183	0.43183
Total	12.8481	12.3243	6.68852	56.5675	0.11677	0.12012	9.14141	9.26153	0.11279	2.32363	2.43642	71.6853	12,547.6	12,619.3	7.89485	0.71311	38.0964	13,067.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	9.07564	8.56445	7.29318	48.8075	0.10564	0.09532	9.14141	9.23673	0.08968	2.32363	2.41331	—	10,780.2	10,780.2	0.69493	0.69767	0.97670	11,006.5
Area	2.08946	2.08946	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.02603	0.01301	0.23659	0.19874	0.00142	0.01798	—	0.01798	0.01798	—	0.01798	—	769.721	769.721	0.10384	0.01009	—	775.324
Water	—	—	—	—	—	—	—	—	—	—	—	20.7828	23.8755	44.6582	2.13490	0.05110	—	113.259

Waste	—	—	—	—	—	—	—	—	—	—	—	50.9026	0.00000	50.9026	5.08753	0.00000	—	178.091
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43183	0.43183
Total	11.1911	10.6669	7.52978	49.0062	0.10706	0.11330	9.14141	9.25471	0.10766	2.32363	2.43129	71.6853	11,573.8	11,645.5	8.02119	0.75886	1.40853	12,073.6
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	8.33690	7.89783	6.27328	43.0061	0.09908	0.08719	8.27199	8.35918	0.08203	2.10304	2.18507	—	10,108.2	10,108.2	0.57389	0.61429	14.8876	10,320.5
Area	2.43276	2.40628	0.01623	1.92926	0.00012	0.00343	—	0.00343	0.00259	—	0.00259	—	7.93362	7.93362	0.00033	0.00007	—	7.96222
Energy	0.02603	0.01301	0.23659	0.19874	0.00142	0.01798	—	0.01798	0.01798	—	0.01798	—	769.721	769.721	0.10384	0.01009	—	775.324
Water	—	—	—	—	—	—	—	—	—	—	—	20.7828	23.8755	44.6582	2.13490	0.05110	—	113.259
Waste	—	—	—	—	—	—	—	—	—	—	—	50.9026	0.00000	50.9026	5.08753	0.00000	—	178.091
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43183	0.43183
Total	10.7957	10.3171	6.52610	45.1341	0.10061	0.10859	8.27199	8.38059	0.10260	2.10304	2.20564	71.6853	10,909.7	10,981.4	7.90049	0.67555	15.3195	11,395.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.52148	1.44135	1.14487	7.84862	0.01808	0.01591	1.50964	1.52555	0.01497	0.38380	0.39877	—	1,673.53	1,673.53	0.09501	0.10170	2.46482	1,708.67
Area	0.44398	0.43915	0.00296	0.35209	0.00002	0.00063	—	0.00063	0.00047	—	0.00047	—	1.31350	1.31350	0.00006	0.00001	—	1.31824
Energy	0.00475	0.00237	0.04318	0.03627	0.00026	0.00328	—	0.00328	0.00328	—	0.00328	—	127.436	127.436	0.01719	0.00167	—	128.364
Water	—	—	—	—	—	—	—	—	—	—	—	3.44082	3.95285	7.39368	0.35346	0.00846	—	18.7513
Waste	—	—	—	—	—	—	—	—	—	—	—	8.42750	0.00000	8.42750	0.84230	0.00000	—	29.4850
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07149	0.07149
Total	1.97021	1.88287	1.19101	8.23698	0.01836	0.01982	1.50964	1.52946	0.01872	0.38380	0.40253	11.8683	1,806.23	1,818.10	1.30802	0.11184	2.53631	1,886.66

2.5. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	10.0365	9.57941	6.41901	52.4567	0.11511	0.09519	9.14141	9.23660	0.08955	2.32363	2.41319	—	11,737.9	11,737.9	0.56791	0.65178	37.6646	11,984.0
Area	2.05664	2.05664	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Energy	0.02603	0.01301	0.23659	0.19874	0.00142	0.01798	—	0.01798	0.01798	—	0.01798	—	771.131	771.131	0.10407	0.01012	—	776.748
Water	—	—	—	—	—	—	—	—	—	—	—	20.7828	23.8755	44.6582	2.13490	0.05110	—	113.259
Waste	—	—	—	—	—	—	—	—	—	—	—	50.9026	0.00000	50.9026	5.08753	0.00000	—	178.091
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43183	0.43183
Total	12.1191	11.6491	6.65560	52.6554	0.11653	0.11317	9.14141	9.25458	0.10753	2.32363	2.43117	71.6853	12,532.9	12,604.6	7.89440	0.71300	38.0964	13,052.5
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	9.07564	8.56445	7.29318	48.8075	0.10564	0.09532	9.14141	9.23673	0.08968	2.32363	2.41331	—	10,780.2	10,780.2	0.69493	0.69767	0.97670	11,006.5
Area	2.05664	2.05664	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.02603	0.01301	0.23659	0.19874	0.00142	0.01798	—	0.01798	0.01798	—	0.01798	—	769.721	769.721	0.10384	0.01009	—	775.324
Water	—	—	—	—	—	—	—	—	—	—	—	20.7828	23.8755	44.6582	2.13490	0.05110	—	113.259
Waste	—	—	—	—	—	—	—	—	—	—	—	50.9026	0.00000	50.9026	5.08753	0.00000	—	178.091
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43183	0.43183
Total	11.1583	10.6341	7.52978	49.0062	0.10706	0.11330	9.14141	9.25471	0.10766	2.32363	2.43129	71.6853	11,573.8	11,645.5	8.02119	0.75886	1.40853	12,073.6
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	8.33690	7.89783	6.27328	43.0061	0.09908	0.08719	8.27199	8.35918	0.08203	2.10304	2.18507	—	10,108.2	10,108.2	0.57389	0.61429	14.8876	10,320.5
Area	2.05664	2.05664	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.02603	0.01301	0.23659	0.19874	0.00142	0.01798	—	0.01798	0.01798	—	0.01798	—	770.417	770.417	0.10395	0.01010	—	776.026
Water	—	—	—	—	—	—	—	—	—	—	—	20.7828	23.8755	44.6582	2.13490	0.05110	—	113.259
Waste	—	—	—	—	—	—	—	—	—	—	—	50.9026	0.00000	50.9026	5.08753	0.00000	—	178.091
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43183	0.43183
Total	10.4196	9.96748	6.50987	43.2049	0.10050	0.10517	8.27199	8.37716	0.10001	2.10304	2.20305	71.6853	10,902.5	10,974.2	7.90027	0.67550	15.3195	11,388.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.52148	1.44135	1.14487	7.84862	0.01808	0.01591	1.50964	1.52555	0.01497	0.38380	0.39877	—	1,673.53	1,673.53	0.09501	0.10170	2.46482	1,708.67
Area	0.37534	0.37534	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00475	0.00237	0.04318	0.03627	0.00026	0.00328	—	0.00328	0.00328	—	0.00328	—	127.551	127.551	0.01721	0.00167	—	128.480
Water	—	—	—	—	—	—	—	—	—	—	—	3.44082	3.95285	7.39368	0.35346	0.00846	—	18.7513

Waste	—	—	—	—	—	—	—	—	—	—	—	8.42750	0.00000	8.42750	0.84230	0.00000	—	29.4850
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07149	0.07149
Total	1.90157	1.81907	1.18805	7.88489	0.01834	0.01919	1.50964	1.52883	0.01825	0.38380	0.40206	11.8683	1,805.03	1,816.90	1.30798	0.11184	2.53631	1,885.46

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	10.0365	9.57941	6.41901	52.4567	0.11511	0.09519	9.14141	9.23660	0.08955	2.32363	2.41319	—	11,737.9	11,737.9	0.56791	0.65178	37.6646	11,984.0
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	10.0365	9.57941	6.41901	52.4567	0.11511	0.09519	9.14141	9.23660	0.08955	2.32363	2.41319	—	11,737.9	11,737.9	0.56791	0.65178	37.6646	11,984.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	9.07564	8.56445	7.29318	48.8075	0.10564	0.09532	9.14141	9.23673	0.08968	2.32363	2.41331	—	10,780.2	10,780.2	0.69493	0.69767	0.97670	11,006.5

Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	9.07564	8.56445	7.29318	48.8075	0.10564	0.09532	9.14141	9.23673	0.08968	2.32363	2.41331	—	10,780.2	10,780.2	0.69493	0.69767	0.97670	11,006.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	1.52148	1.44135	1.14487	7.84862	0.01808	0.01591	1.50964	1.52555	0.01497	0.38380	0.39877	—	1,673.53	1,673.53	0.09501	0.10170	2.46482	1,708.67
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	1.52148	1.44135	1.14487	7.84862	0.01808	0.01591	1.50964	1.52555	0.01497	0.38380	0.39877	—	1,673.53	1,673.53	0.09501	0.10170	2.46482	1,708.67

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	10.0365	9.57941	6.41901	52.4567	0.11511	0.09519	9.14141	9.23660	0.08955	2.32363	2.41319	—	11,737.9	11,737.9	0.56791	0.65178	37.6646	11,984.0
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Total	10.0365	9.57941	6.41901	52.4567	0.11511	0.09519	9.14141	9.23660	0.08955	2.32363	2.41319	—	11,737.9	11,737.9	0.56791	0.65178	37.6646	11,984.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	9.07564	8.56445	7.29318	48.8075	0.10564	0.09532	9.14141	9.23673	0.08968	2.32363	2.41331	—	10,780.2	10,780.2	0.69493	0.69767	0.97670	11,006.5
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	9.07564	8.56445	7.29318	48.8075	0.10564	0.09532	9.14141	9.23673	0.08968	2.32363	2.41331	—	10,780.2	10,780.2	0.69493	0.69767	0.97670	11,006.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	1.52148	1.44135	1.14487	7.84862	0.01808	0.01591	1.50964	1.52555	0.01497	0.38380	0.39877	—	1,673.53	1,673.53	0.09501	0.10170	2.46482	1,708.67
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	1.52148	1.44135	1.14487	7.84862	0.01808	0.01591	1.50964	1.52555	0.01497	0.38380	0.39877	—	1,673.53	1,673.53	0.09501	0.10170	2.46482	1,708.67

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	381.865	381.865	0.06178	0.00749	—	385.641
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	105.560	105.560	0.01708	0.00207	—	106.604
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	487.425	487.425	0.07885	0.00956	—	492.245
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	381.865	381.865	0.06178	0.00749	—	385.641
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	105.560	105.560	0.01708	0.00207	—	106.604
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	487.425	487.425	0.07885	0.00956	—	492.245
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	63.2221	63.2221	0.01023	0.00124	—	63.8473
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	17.4766	17.4766	0.00283	0.00034	—	17.6494

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	80.6988	80.6988	0.01306	0.00158	—	81.4967

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	383.275	383.275	0.06201	0.00752	—	387.065
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	105.560	105.560	0.01708	0.00207	—	106.604
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	488.834	488.834	0.07908	0.00959	—	493.668
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	381.865	381.865	0.06178	0.00749	—	385.641
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	105.560	105.560	0.01708	0.00207	—	106.604
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

Total	—	—	—	—	—	—	—	—	—	—	—	—	487.425	487.425	0.07885	0.00956	—	492.245
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	63.3372	63.3372	0.01025	0.00124	—	63.9635
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	17.4766	17.4766	0.00283	0.00034	—	17.6494
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	80.8138	80.8138	0.01307	0.00158	—	81.6129

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.02603	0.01301	0.23659	0.19874	0.00142	0.01798	—	0.01798	0.01798	—	0.01798	—	282.297	282.297	0.02498	0.00053	—	283.079
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.02603	0.01301	0.23659	0.19874	0.00142	0.01798	—	0.01798	0.01798	—	0.01798	—	282.297	282.297	0.02498	0.00053	—	283.079
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Regional Shopping Center	0.02603	0.01301	0.23659	0.19874	0.00142	0.01798	—	0.01798	0.01798	—	0.01798	—	282.297	282.297	0.02498	0.00053	—	283.079
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.02603	0.01301	0.23659	0.19874	0.00142	0.01798	—	0.01798	0.01798	—	0.01798	—	282.297	282.297	0.02498	0.00053	—	283.079
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.00475	0.00237	0.04318	0.03627	0.00026	0.00328	—	0.00328	0.00328	—	0.00328	—	46.7374	46.7374	0.00414	0.00009	—	46.8670
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00475	0.00237	0.04318	0.03627	0.00026	0.00328	—	0.00328	0.00328	—	0.00328	—	46.7374	46.7374	0.00414	0.00009	—	46.8670

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.02603	0.01301	0.23659	0.19874	0.00142	0.01798	—	0.01798	0.01798	—	0.01798	—	282.297	282.297	0.02498	0.00053	—	283.079
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.02603	0.01301	0.23659	0.19874	0.00142	0.01798	—	0.01798	0.01798	—	0.01798	—	282.297	282.297	0.02498	0.00053	—	283.079
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.02603	0.01301	0.23659	0.19874	0.00142	0.01798	—	0.01798	0.01798	—	0.01798	—	282.297	282.297	0.02498	0.00053	—	283.079
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.02603	0.01301	0.23659	0.19874	0.00142	0.01798	—	0.01798	0.01798	—	0.01798	—	282.297	282.297	0.02498	0.00053	—	283.079
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.00475	0.00237	0.04318	0.03627	0.00026	0.00328	—	0.00328	0.00328	—	0.00328	—	46.7374	46.7374	0.00414	0.00009	—	46.8670
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00475	0.00237	0.04318	0.03627	0.00026	0.00328	—	0.00328	0.00328	—	0.00328	—	46.7374	46.7374	0.00414	0.00009	—	46.8670

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.95048	1.95048	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.13898	0.13898	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.69613	0.64244	0.03292	3.91211	0.00023	0.00695	—	0.00695	0.00525	—	0.00525	—	16.0876	16.0876	0.00067	0.00014	—	16.1456
Total	2.78559	2.73190	0.03292	3.91211	0.00023	0.00695	—	0.00695	0.00525	—	0.00525	—	16.0876	16.0876	0.00067	0.00014	—	16.1456
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.95048	1.95048	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.13898	0.13898	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	2.08946	2.08946	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.35596	0.35596	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.02536	0.02536	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landsca Equipment	0.06265	0.05782	0.00296	0.35209	0.00002	0.00063	—	0.00063	0.00047	—	0.00047	—	1.31350	1.31350	0.00006	0.00001	—	1.31824
Total	0.44398	0.43915	0.00296	0.35209	0.00002	0.00063	—	0.00063	0.00047	—	0.00047	—	1.31350	1.31350	0.00006	0.00001	—	1.31824

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.95048	1.95048	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.10616	0.10616	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	2.05664	2.05664	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.95048	1.95048	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.10616	0.10616	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	2.05664	2.05664	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.35596	0.35596	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	0.01937	0.01937	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.37534	0.37534	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	20.7828	23.8755	44.6582	2.13490	0.05110	—	113.259
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	20.7828	23.8755	44.6582	2.13490	0.05110	—	113.259
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	20.7828	23.8755	44.6582	2.13490	0.05110	—	113.259
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	20.7828	23.8755	44.6582	2.13490	0.05110	—	113.259
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	3.44082	3.95285	7.39368	0.35346	0.00846	—	18.7513
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	3.44082	3.95285	7.39368	0.35346	0.00846	—	18.7513

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	20.7828	23.8755	44.6582	2.13490	0.05110	—	113.259
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	20.7828	23.8755	44.6582	2.13490	0.05110	—	113.259

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	20.7828	23.8755	44.6582	2.13490	0.05110	—	113.259
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	20.7828	23.8755	44.6582	2.13490	0.05110	—	113.259
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	3.44082	3.95285	7.39368	0.35346	0.00846	—	18.7513
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	3.44082	3.95285	7.39368	0.35346	0.00846	—	18.7513

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	50.9026	0.00000	50.9026	5.08753	0.00000	—	178.091
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	50.9026	0.00000	50.9026	5.08753	0.00000	—	178.091
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	50.9026	0.00000	50.9026	5.08753	0.00000	—	178.091
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	50.9026	0.00000	50.9026	5.08753	0.00000	—	178.091
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	8.42750	0.00000	8.42750	0.84230	0.00000	—	29.4850
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	8.42750	0.00000	8.42750	0.84230	0.00000	—	29.4850

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	50.9026	0.00000	50.9026	5.08753	0.00000	—	178.091
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	50.9026	0.00000	50.9026	5.08753	0.00000	—	178.091
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	50.9026	0.00000	50.9026	5.08753	0.00000	—	178.091
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Total	—	—	—	—	—	—	—	—	—	—	—	50.9026	0.00000	50.9026	5.08753	0.00000	—	178.091
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	8.42750	0.00000	8.42750	0.84230	0.00000	—	29.4850
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	8.42750	0.00000	8.42750	0.84230	0.00000	—	29.4850

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43183	0.43183
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43183	0.43183
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Regional Shopping	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43183	0.43183
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43183	0.43183
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07149	0.07149
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07149	0.07149

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43183	0.43183
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43183	0.43183
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43183	0.43183
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43183	0.43183
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Regiona Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07149	0.07149
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07149	0.07149

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year

Regional Shopping Center	3,268.00	3,255.07	1,345.89	1,091,921	12,862.4	12,811.6	5,297.26	4,297,668
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Regional Shopping Center	3,268.00	3,255.07	1,345.89	1,091,921	12,862.4	12,811.6	5,297.26	4,297,668
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Regional Shopping Center	Wood Fireplaces	0	0
Regional Shopping Center	Gas Fireplaces	0	0
Regional Shopping Center	Propane Fireplaces	0	0
Regional Shopping Center	Electric Fireplaces	0	0
Regional Shopping Center	No Fireplaces	0	0
Regional Shopping Center	Conventional Wood Stoves	0	0
Regional Shopping Center	Catalytic Wood Stoves	0	0
Regional Shopping Center	Non-Catalytic Wood Stoves	0	0
Regional Shopping Center	Pellet Wood Stoves	0	0
Parking Lot	Wood Fireplaces	0	0
Parking Lot	Gas Fireplaces	0	0

Parking Lot	Propane Fireplaces	0	0
Parking Lot	Electric Fireplaces	0	0
Parking Lot	No Fireplaces	0	0
Parking Lot	Conventional Wood Stoves	0	0
Parking Lot	Catalytic Wood Stoves	0	0
Parking Lot	Non-Catalytic Wood Stoves	0	0
Parking Lot	Pellet Wood Stoves	0	0
Other Asphalt Surfaces	Wood Fireplaces	0	0
Other Asphalt Surfaces	Gas Fireplaces	0	0
Other Asphalt Surfaces	Propane Fireplaces	0	0
Other Asphalt Surfaces	Electric Fireplaces	0	0
Other Asphalt Surfaces	No Fireplaces	0	0
Other Asphalt Surfaces	Conventional Wood Stoves	0	0
Other Asphalt Surfaces	Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Non-Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Pellet Wood Stoves	0	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0.00000	0.00000	134,928	44,976.0	19,460.3

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	180.000

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	180.000

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Regional Shopping Center	683,296	203.983	0.0330	0.0040	880,841
Parking Lot	188,885	203.983	0.0330	0.0040	0.00000
Other Asphalt Surfaces	0.00000	203.983	0.0330	0.0040	0.00000

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Regional Shopping Center	683,296	203.983	0.0330	0.0040	880,841
Parking Lot	188,885	203.983	0.0330	0.0040	0.00000
Other Asphalt Surfaces	0.00000	203.983	0.0330	0.0040	0.00000

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Regional Shopping Center	10,845,618	0.00000
Parking Lot	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Regional Shopping Center	10,845,618	0.00000
Parking Lot	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Regional Shopping Center	94.4496	0.00000
Parking Lot	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Regional Shopping Center	94.4496	0.00000
Parking Lot	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000

Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430.00	0.03750	1.000000	0.00000	1.000000

5.14.2. Mitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430.00	0.03750	1.000000	0.00000	1.000000

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	20.0600	annual days of extreme heat
Extreme Precipitation	0.00000	annual days with precipitation above 20 mm

Sea Level Rise	—	meters of inundation depth
Wildfire	0.00000	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2

Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	93.6279
AQ-PM	99.3155
AQ-DPM	54.8102
Drinking Water	72.9986
Lead Risk Housing	7.14556
Pesticides	0.00000
Toxic Releases	39.1223
Traffic	67.1875
Effect Indicators	—

CleanUp Sites	27.4916
Groundwater	59.6048
Haz Waste Facilities/Generators	53.5142
Impaired Water Bodies	0.00000
Solid Waste	0.00000
Sensitive Population	—
Asthma	21.0867
Cardio-vascular	30.7951
Low Birth Weights	28.0729
Socioeconomic Factor Indicators	—
Education	29.6760
Housing	15.5006
Linguistic	21.4237
Poverty	22.0101
Unemployment	67.4779

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	74.07930194
Employed	65.05838573
Median HI	66.79070961
Education	—
Bachelor's or higher	57.08969588
High school enrollment	100
Preschool enrollment	17.9006801
Transportation	—

Auto Access	52.9449506
Active commuting	56.70473502
Social	—
2-parent households	19.17105094
Voting	67.22699859
Neighborhood	—
Alcohol availability	71.87219299
Park access	52.55998973
Retail density	27.37071731
Supermarket access	19.78698832
Tree canopy	9.187732581
Housing	—
Homeownership	39.93327345
Housing habitability	84.98652637
Low-inc homeowner severe housing cost burden	93.301681
Low-inc renter severe housing cost burden	84.08828436
Uncrowded housing	70.21686129
Health Outcomes	—
Insured adults	92.01847812
Arthritis	31.2
Asthma ER Admissions	73.6
High Blood Pressure	29.0
Cancer (excluding skin)	16.1
Asthma	51.9
Coronary Heart Disease	37.1
Chronic Obstructive Pulmonary Disease	50.7
Diagnosed Diabetes	80.8
Life Expectancy at Birth	53.0

Cognitively Disabled	66.4
Physically Disabled	26.6
Heart Attack ER Admissions	46.6
Mental Health Not Good	60.0
Chronic Kidney Disease	45.1
Obesity	52.4
Pedestrian Injuries	74.9
Physical Health Not Good	65.0
Stroke	45.2
Health Risk Behaviors	—
Binge Drinking	11.3
Current Smoker	53.5
No Leisure Time for Physical Activity	58.6
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	53.3
Elderly	40.9
English Speaking	76.1
Foreign-born	16.0
Outdoor Workers	46.6
Climate Change Adaptive Capacity	—
Impervious Surface Cover	59.7
Traffic Density	56.7
Traffic Access	0.0
Other Indices	—
Hardship	35.5
Other Decision Support	—

2016 Voting	53.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	30.0000
Healthy Places Index Score for Project Location (b)	57.0000
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Land Use	Based on information provided.
Operations: Vehicle Data	Based on information provided by the project traffic consultant.
Operations: Fleet Mix	Based on information provided by the traffic consultant.
Operations: Energy Use	The estimated 266,604 kWh/yr of renewable electricity generated from onsite PV system for Phase 2 is subtracted from the Title 24 electricity default total.

Operations: Water and Waste Water	Based on the full buildout demand from the Water Supply and Demand Analysis Coffee and Rosedale Commercial Retail Development Project study prepared by PlaceWorks. For purposes of modeling, all project water demand assigned to the Regional Shopping Center land use.

8.3. Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	acre	2.06501	1.77000
Landscape Area	sq. ft	—	51,171.0
Special Landscape Area	sq. ft	—	0.00000
Lot Area	acre	3.33900	4.95000
Landscape Area	sq. ft	—	0.00000

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

Land Use	Model Parameter	Units	Default Value	New Value
Regional Shopping Center	Weekday Trip Rate	size/day	37.7500	36.3305
Regional Shopping Center	Saturday Trip Rate	size/day	46.1200	36.1867
Regional Shopping Center	Sunday Trip Rate	size/day	21.1000	14.9623
Regional Shopping Center	Non-Res H-W Trip Length	miles	8.50253	3.93588
Regional Shopping Center	Non-Res W-O Trip Length	miles	4.80598	0.00000
Regional Shopping Center	Non-Res O-O Trip Length	miles	5.08225	0.00000
Regional Shopping Center	Weekday Primary Trip	%	37.9200	100.0000
Regional Shopping Center	Weekday Divert Trip	%	28.0800	0.00000
Regional Shopping Center	Weekday Pass-By Trip	%	34.0000	0.00000
Regional Shopping Center	Saturday Primary Trip	%	42.5100	100.0000

Regional Shopping Center	Saturday Divert Trip	%	31.4900	0.00000
Regional Shopping Center	Saturday Pass-By Trip	%	26.0000	0.00000
Regional Shopping Center	Sunday Primary Trip	%	42.5100	100.0000
Regional Shopping Center	Sunday Divert Trip	%	31.4900	0.00000
Regional Shopping Center	Sunday Pass-By Trip	%	26.0000	0.00000
Regional Shopping Center	Non-Res H-W Trip	%	31.7132	100.0000
Regional Shopping Center	Non-Res W-O Trip	%	14.8513	0.00000
Regional Shopping Center	Non-Res O-O Trip	%	53.4356	0.00000
Parking Lot	Non-Res H-W Trip	%	31.7132	100.0000
Parking Lot	Non-Res W-O Trip	%	14.8513	0.00000
Parking Lot	Non-Res O-O Trip	%	53.4356	0.00000
Other Asphalt Surfaces	Non-Res H-W Trip	%	31.7132	100.0000
Other Asphalt Surfaces	Non-Res W-O Trip	%	14.8513	0.00000
Other Asphalt Surfaces	Non-Res O-O Trip	%	53.4356	0.00000

8.5.1.2. Fleet Mix

Land Use	Season	Model Parameter	Units	Default Value	New Value
Regional Shopping Center	A	Heavy-Heavy-Duty Trucks	%	4%	1%
Regional Shopping Center	A	Passenger Cars	%	43%	43%
Regional Shopping Center	A	Light-Duty Trucks 1	%	4%	4%
Regional Shopping Center	A	Light-Duty Trucks 2	%	22%	22%
Regional Shopping Center	A	Light Heavy-Duty Trucks 1	%	3%	5%
Regional Shopping Center	A	Light Heavy-Duty Trucks 2	%	1%	2%
Regional Shopping Center	A	Motorcycles	%	2%	2%
Regional Shopping Center	A	Medium-Duty Trucks	%	19%	19%
Regional Shopping Center	A	Motor Homes	%	< 0.5%	0%
Regional Shopping Center	A	Medium-Heavy-Duty Trucks	%	2%	3%
Regional Shopping Center	A	Other Buses	%	< 0.5%	0%

Regional Shopping Center	A	School Buses	%	< 0.5%	0%
Regional Shopping Center	A	Urban Buses	%	< 0.5%	0%
Regional Shopping Center	S	Heavy-Heavy-Duty Trucks	%	4%	1%
Regional Shopping Center	S	Passenger Cars	%	43%	43%
Regional Shopping Center	S	Light-Duty Trucks 1	%	4%	4%
Regional Shopping Center	S	Light-Duty Trucks 2	%	22%	22%
Regional Shopping Center	S	Light Heavy-Duty Trucks 1	%	3%	5%
Regional Shopping Center	S	Light Heavy-Duty Trucks 2	%	1%	2%
Regional Shopping Center	S	Motorcycles	%	2%	2%
Regional Shopping Center	S	Medium-Duty Trucks	%	19%	19%
Regional Shopping Center	S	Motor Homes	%	< 0.5%	0%
Regional Shopping Center	S	Medium-Heavy-Duty Trucks	%	2%	3%
Regional Shopping Center	S	Other Buses	%	< 0.5%	0%
Regional Shopping Center	S	School Buses	%	< 0.5%	0%
Regional Shopping Center	S	Urban Buses	%	< 0.5%	0%
Regional Shopping Center	W	Heavy-Heavy-Duty Trucks	%	4%	1%
Regional Shopping Center	W	Passenger Cars	%	43%	43%
Regional Shopping Center	W	Light-Duty Trucks 1	%	4%	4%
Regional Shopping Center	W	Light-Duty Trucks 2	%	22%	22%
Regional Shopping Center	W	Light Heavy-Duty Trucks 1	%	3%	5%
Regional Shopping Center	W	Light Heavy-Duty Trucks 2	%	1%	2%
Regional Shopping Center	W	Motorcycles	%	2%	2%
Regional Shopping Center	W	Medium-Duty Trucks	%	19%	19%
Regional Shopping Center	W	Motor Homes	%	< 0.5%	0%
Regional Shopping Center	W	Medium-Heavy-Duty Trucks	%	2%	3%
Regional Shopping Center	W	Other Buses	%	< 0.5%	0%
Regional Shopping Center	W	School Buses	%	< 0.5%	0%
Regional Shopping Center	W	Urban Buses	%	< 0.5%	0%

8.5.3. Energy Usage

Land Use	Model Parameter	Units	Default Value	New Value
Regional Shopping Center	Electricity	kWh/yr	949,900	683,296
Regional Shopping Center	Electricity (Subject to Title 24)	kWh/yr	733,684	467,080
Regional Shopping Center	Natural Gas (Not Subject to Title 24)	kBTU/yr	9,941.11	9,941.11

8.5.4. Water and Waste Water

Land Use	Model Parameter	Units	Default Value	New Value
Regional Shopping Center	Indoor Water	gal/year	6,662,971	10,845,618
Regional Shopping Center	Outdoor Water	gal/year	834,582	0.00000

8.6. Measure Input Overrides

8.6.2. Operations Measure Inputs

Sector	Measure Number	Land Use Subtype	Equipment Type	Model Parameter	Default Value	New Value
Area Sources	AS-2	—	Non-residential Exterior	ROG Ef	2.00000	25.0000
Area Sources	AS-2	—	Parking	ROG Ef	2.00000	25.0000

LOKH-01_Operation Phase 2_Mitigated_GHG Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	LOKH-01_Operation Phase 2_Mitigated_GHG
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70000
Precipitation (days)	18.0000
Location	35.382244024302594, -119.09464262587437
County	Kern-San Joaquin
City	Bakersfield
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2817
EDFZ	5
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Southern California Gas
App Version	2022.1.1.41

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Regional Shopping Center	89.9520	1000sqft	1.77000	89,952.0	51,171.0	0.00000	—	—
Parking Lot	371.000	Space	4.95000	0.00000	0.00000	—	—	—

Other Asphalt Surfaces	108.717	1000sqft	2.49580	0.00000	0.00000	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Area Sources	LL-1	Replace Gas Powered Landscape Equipment with Zero-Emission Landscape Equipment
Area Sources	AS-2	Use Low-VOC Paints

2. Emissions Summary

2.3. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	12.8246	12.3126	6.47507	56.3882	0.11548	0.10390	9.14141	9.24531	0.09657	2.32363	2.42020	71.6853	12,423.1	12,494.8	7.89337	0.71518	38.0964	12,943.3
Mit.	12.0957	11.6373	6.44215	52.4761	0.11525	0.09695	9.14141	9.23836	0.09131	2.32363	2.41495	71.6853	12,408.4	12,480.1	7.89292	0.71507	38.0964	12,928.6
% Reduced	6%	5%	1%	7%	—	7%	—	< 0.5%	5%	—	< 0.5%	—	< 0.5%	< 0.5%	—	—	—	< 0.5%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	11.1676	10.6552	7.31633	48.8269	0.10578	0.09708	9.14141	9.23849	0.09144	2.32363	2.41507	71.6853	11,449.3	11,521.0	8.01971	0.76093	1.40853	11,949.6
Mit.	11.1348	10.6224	7.31633	48.8269	0.10578	0.09708	9.14141	9.23849	0.09144	2.32363	2.41507	71.6853	11,449.3	11,521.0	8.01971	0.76093	1.40853	11,949.6
% Reduced	< 0.5%	< 0.5%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	10.7722	10.3054	6.31265	44.9548	0.09933	0.09237	8.27199	8.36436	0.08638	2.10304	2.18942	71.6853	10,785.2	10,856.9	7.89900	0.67762	15.3195	11,271.6
Mit.	10.3961	9.95574	6.29642	43.0256	0.09922	0.08894	8.27199	8.36094	0.08378	2.10304	2.18683	71.6853	10,778.0	10,849.6	7.89878	0.67757	15.3195	11,264.4
% Reduced	3%	3%	< 0.5%	4%	—	4%	—	< 0.5%	3%	—	< 0.5%	—	< 0.5%	< 0.5%	—	—	—	< 0.5%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.96593	1.88073	1.15206	8.20426	0.01813	0.01686	1.50964	1.52650	0.01576	0.38380	0.39957	11.8683	1,785.61	1,797.48	1.30777	0.11219	2.53631	1,866.14
Mit.	1.89729	1.81692	1.14910	7.85217	0.01811	0.01623	1.50964	1.52587	0.01529	0.38380	0.39910	11.8683	1,784.41	1,796.28	1.30773	0.11218	2.53631	1,864.94
% Reduced	3%	3%	< 0.5%	4%	< 0.5%	4%	—	< 0.5%	3%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

2.4. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	10.0365	9.57941	6.41901	52.4567	0.11511	0.09519	9.14141	9.23660	0.08955	2.32363	2.41319	—	11,737.9	11,737.9	0.56791	0.65178	37.6646	11,984.0
Area	2.78559	2.73190	0.03292	3.91211	0.00023	0.00695	—	0.00695	0.00525	—	0.00525	—	16.0876	16.0876	0.00067	0.00014	—	16.1456
Energy	0.00255	0.00127	0.02314	0.01944	0.00014	0.00176	—	0.00176	0.00176	—	0.00176	—	645.201	645.201	0.10236	0.01216	—	651.384
Water	—	—	—	—	—	—	—	—	—	—	—	20.7828	23.8755	44.6582	2.13490	0.05110	—	113.259
Waste	—	—	—	—	—	—	—	—	—	—	—	50.9026	0.00000	50.9026	5.08753	0.00000	—	178.091
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43183	0.43183
Total	12.8246	12.3126	6.47507	56.3882	0.11548	0.10390	9.14141	9.24531	0.09657	2.32363	2.42020	71.6853	12,423.1	12,494.8	7.89337	0.71518	38.0964	12,943.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	9.07564	8.56445	7.29318	48.8075	0.10564	0.09532	9.14141	9.23673	0.08968	2.32363	2.41331	—	10,780.2	10,780.2	0.69493	0.69767	0.97670	11,006.5
Area	2.08946	2.08946	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00255	0.00127	0.02314	0.01944	0.00014	0.00176	—	0.00176	0.00176	—	0.00176	—	645.201	645.201	0.10236	0.01216	—	651.384
Water	—	—	—	—	—	—	—	—	—	—	—	20.7828	23.8755	44.6582	2.13490	0.05110	—	113.259

Waste	—	—	—	—	—	—	—	—	—	—	—	50.9026	0.00000	50.9026	5.08753	0.00000	—	178.091
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43183	0.43183
Total	11.1676	10.6552	7.31633	48.8269	0.10578	0.09708	9.14141	9.23849	0.09144	2.32363	2.41507	71.6853	11,449.3	11,521.0	8.01971	0.76093	1.40853	11,949.6
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	8.33690	7.89783	6.27328	43.0061	0.09908	0.08719	8.27199	8.35918	0.08203	2.10304	2.18507	—	10,108.2	10,108.2	0.57389	0.61429	14.8876	10,320.5
Area	2.43276	2.40628	0.01623	1.92926	0.00012	0.00343	—	0.00343	0.00259	—	0.00259	—	7.93362	7.93362	0.00033	0.00007	—	7.96222
Energy	0.00255	0.00127	0.02314	0.01944	0.00014	0.00176	—	0.00176	0.00176	—	0.00176	—	645.201	645.201	0.10236	0.01216	—	651.384
Water	—	—	—	—	—	—	—	—	—	—	—	20.7828	23.8755	44.6582	2.13490	0.05110	—	113.259
Waste	—	—	—	—	—	—	—	—	—	—	—	50.9026	0.00000	50.9026	5.08753	0.00000	—	178.091
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43183	0.43183
Total	10.7722	10.3054	6.31265	44.9548	0.09933	0.09237	8.27199	8.36436	0.08638	2.10304	2.18942	71.6853	10,785.2	10,856.9	7.89900	0.67762	15.3195	11,271.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.52148	1.44135	1.14487	7.84862	0.01808	0.01591	1.50964	1.52555	0.01497	0.38380	0.39877	—	1,673.53	1,673.53	0.09501	0.10170	2.46482	1,708.67
Area	0.44398	0.43915	0.00296	0.35209	0.00002	0.00063	—	0.00063	0.00047	—	0.00047	—	1.31350	1.31350	0.00006	0.00001	—	1.31824
Energy	0.00046	0.00023	0.00422	0.00355	0.00003	0.00032	—	0.00032	0.00032	—	0.00032	—	106.820	106.820	0.01695	0.00201	—	107.844
Water	—	—	—	—	—	—	—	—	—	—	—	3.44082	3.95285	7.39368	0.35346	0.00846	—	18.7513
Waste	—	—	—	—	—	—	—	—	—	—	—	8.42750	0.00000	8.42750	0.84230	0.00000	—	29.4850
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07149	0.07149
Total	1.96593	1.88073	1.15206	8.20426	0.01813	0.01686	1.50964	1.52650	0.01576	0.38380	0.39957	11.8683	1,785.61	1,797.48	1.30777	0.11219	2.53631	1,866.14

2.5. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	10.0365	9.57941	6.41901	52.4567	0.11511	0.09519	9.14141	9.23660	0.08955	2.32363	2.41319	—	11,737.9	11,737.9	0.56791	0.65178	37.6646	11,984.0
Area	2.05664	2.05664	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Energy	0.00255	0.00127	0.02314	0.01944	0.00014	0.00176	—	0.00176	0.00176	—	0.00176	—	646.610	646.610	0.10258	0.01219	—	652.807
Water	—	—	—	—	—	—	—	—	—	—	—	20.7828	23.8755	44.6582	2.13490	0.05110	—	113.259
Waste	—	—	—	—	—	—	—	—	—	—	—	50.9026	0.00000	50.9026	5.08753	0.00000	—	178.091
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43183	0.43183
Total	12.0957	11.6373	6.44215	52.4761	0.11525	0.09695	9.14141	9.23836	0.09131	2.32363	2.41495	71.6853	12,408.4	12,480.1	7.89292	0.71507	38.0964	12,928.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	9.07564	8.56445	7.29318	48.8075	0.10564	0.09532	9.14141	9.23673	0.08968	2.32363	2.41331	—	10,780.2	10,780.2	0.69493	0.69767	0.97670	11,006.5
Area	2.05664	2.05664	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00255	0.00127	0.02314	0.01944	0.00014	0.00176	—	0.00176	0.00176	—	0.00176	—	645.201	645.201	0.10236	0.01216	—	651.384
Water	—	—	—	—	—	—	—	—	—	—	—	20.7828	23.8755	44.6582	2.13490	0.05110	—	113.259
Waste	—	—	—	—	—	—	—	—	—	—	—	50.9026	0.00000	50.9026	5.08753	0.00000	—	178.091
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43183	0.43183
Total	11.1348	10.6224	7.31633	48.8269	0.10578	0.09708	9.14141	9.23849	0.09144	2.32363	2.41507	71.6853	11,449.3	11,521.0	8.01971	0.76093	1.40853	11,949.6
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	8.33690	7.89783	6.27328	43.0061	0.09908	0.08719	8.27199	8.35918	0.08203	2.10304	2.18507	—	10,108.2	10,108.2	0.57389	0.61429	14.8876	10,320.5
Area	2.05664	2.05664	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00255	0.00127	0.02314	0.01944	0.00014	0.00176	—	0.00176	0.00176	—	0.00176	—	645.896	645.896	0.10247	0.01218	—	652.086
Water	—	—	—	—	—	—	—	—	—	—	—	20.7828	23.8755	44.6582	2.13490	0.05110	—	113.259
Waste	—	—	—	—	—	—	—	—	—	—	—	50.9026	0.00000	50.9026	5.08753	0.00000	—	178.091
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43183	0.43183
Total	10.3961	9.95574	6.29642	43.0256	0.09922	0.08894	8.27199	8.36094	0.08378	2.10304	2.18683	71.6853	10,778.0	10,849.6	7.89878	0.67757	15.3195	11,264.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.52148	1.44135	1.14487	7.84862	0.01808	0.01591	1.50964	1.52555	0.01497	0.38380	0.39877	—	1,673.53	1,673.53	0.09501	0.10170	2.46482	1,708.67
Area	0.37534	0.37534	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00046	0.00023	0.00422	0.00355	0.00003	0.00032	—	0.00032	0.00032	—	0.00032	—	106.935	106.935	0.01696	0.00202	—	107.960
Water	—	—	—	—	—	—	—	—	—	—	—	3.44082	3.95285	7.39368	0.35346	0.00846	—	18.7513

Waste	—	—	—	—	—	—	—	—	—	—	—	8.42750	0.00000	8.42750	0.84230	0.00000	—	29.4850
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07149	0.07149
Total	1.89729	1.81692	1.14910	7.85217	0.01811	0.01623	1.50964	1.52587	0.01529	0.38380	0.39910	11.8683	1,784.41	1,796.28	1.30773	0.11218	2.53631	1,864.94

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	10.0365	9.57941	6.41901	52.4567	0.11511	0.09519	9.14141	9.23660	0.08955	2.32363	2.41319	—	11,737.9	11,737.9	0.56791	0.65178	37.6646	11,984.0
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	10.0365	9.57941	6.41901	52.4567	0.11511	0.09519	9.14141	9.23660	0.08955	2.32363	2.41319	—	11,737.9	11,737.9	0.56791	0.65178	37.6646	11,984.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	9.07564	8.56445	7.29318	48.8075	0.10564	0.09532	9.14141	9.23673	0.08968	2.32363	2.41331	—	10,780.2	10,780.2	0.69493	0.69767	0.97670	11,006.5

Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	9.07564	8.56445	7.29318	48.8075	0.10564	0.09532	9.14141	9.23673	0.08968	2.32363	2.41331	—	10,780.2	10,780.2	0.69493	0.69767	0.97670	11,006.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	1.52148	1.44135	1.14487	7.84862	0.01808	0.01591	1.50964	1.52555	0.01497	0.38380	0.39877	—	1,673.53	1,673.53	0.09501	0.10170	2.46482	1,708.67
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	1.52148	1.44135	1.14487	7.84862	0.01808	0.01591	1.50964	1.52555	0.01497	0.38380	0.39877	—	1,673.53	1,673.53	0.09501	0.10170	2.46482	1,708.67

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	10.0365	9.57941	6.41901	52.4567	0.11511	0.09519	9.14141	9.23660	0.08955	2.32363	2.41319	—	11,737.9	11,737.9	0.56791	0.65178	37.6646	11,984.0
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Total	10.0365	9.57941	6.41901	52.4567	0.11511	0.09519	9.14141	9.23660	0.08955	2.32363	2.41319	—	11,737.9	11,737.9	0.56791	0.65178	37.6646	11,984.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	9.07564	8.56445	7.29318	48.8075	0.10564	0.09532	9.14141	9.23673	0.08968	2.32363	2.41331	—	10,780.2	10,780.2	0.69493	0.69767	0.97670	11,006.5
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	9.07564	8.56445	7.29318	48.8075	0.10564	0.09532	9.14141	9.23673	0.08968	2.32363	2.41331	—	10,780.2	10,780.2	0.69493	0.69767	0.97670	11,006.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	1.52148	1.44135	1.14487	7.84862	0.01808	0.01591	1.50964	1.52555	0.01497	0.38380	0.39877	—	1,673.53	1,673.53	0.09501	0.10170	2.46482	1,708.67
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	1.52148	1.44135	1.14487	7.84862	0.01808	0.01591	1.50964	1.52555	0.01497	0.38380	0.39877	—	1,673.53	1,673.53	0.09501	0.10170	2.46482	1,708.67

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	512.027	512.027	0.08283	0.01004	—	517.090
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	105.560	105.560	0.01708	0.00207	—	106.604
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	617.587	617.587	0.09991	0.01211	—	623.693
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	512.027	512.027	0.08283	0.01004	—	517.090
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	105.560	105.560	0.01708	0.00207	—	106.604
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	617.587	617.587	0.09991	0.01211	—	623.693
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	84.7719	84.7719	0.01371	0.00166	—	85.6101
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	17.4766	17.4766	0.00283	0.00034	—	17.6494

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	102.249	102.249	0.01654	0.00201	—	103.260

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	513.436	513.436	0.08306	0.01007	—	518.513
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	105.560	105.560	0.01708	0.00207	—	106.604
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	618.996	618.996	0.10014	0.01214	—	625.117
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	512.027	512.027	0.08283	0.01004	—	517.090
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	105.560	105.560	0.01708	0.00207	—	106.604
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

Total	—	—	—	—	—	—	—	—	—	—	—	—	617.587	617.587	0.09991	0.01211	—	623.693
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	84.8870	84.8870	0.01373	0.00166	—	85.7264
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	17.4766	17.4766	0.00283	0.00034	—	17.6494
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	102.364	102.364	0.01656	0.00201	—	103.376

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.00255	0.00127	0.02314	0.01944	0.00014	0.00176	—	0.00176	0.00176	—	0.00176	—	27.6139	27.6139	0.00244	0.00005	—	27.6905
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00255	0.00127	0.02314	0.01944	0.00014	0.00176	—	0.00176	0.00176	—	0.00176	—	27.6139	27.6139	0.00244	0.00005	—	27.6905
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Regional Shopping Center	0.00255	0.00127	0.02314	0.01944	0.00014	0.00176	—	0.00176	0.00176	—	0.00176	—	27.6139	27.6139	0.00244	0.00005	—	27.6905
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00255	0.00127	0.02314	0.01944	0.00014	0.00176	—	0.00176	0.00176	—	0.00176	—	27.6139	27.6139	0.00244	0.00005	—	27.6905
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.00046	0.00023	0.00422	0.00355	0.00003	0.00032	—	0.00032	0.00032	—	0.00032	—	4.57180	4.57180	0.00040	0.00001	—	4.58448
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00046	0.00023	0.00422	0.00355	0.00003	0.00032	—	0.00032	0.00032	—	0.00032	—	4.57180	4.57180	0.00040	0.00001	—	4.58448

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.00255	0.00127	0.02314	0.01944	0.00014	0.00176	—	0.00176	0.00176	—	0.00176	—	27.6139	27.6139	0.00244	0.00005	—	27.6905
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00255	0.00127	0.02314	0.01944	0.00014	0.00176	—	0.00176	0.00176	—	0.00176	—	27.6139	27.6139	0.00244	0.00005	—	27.6905
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.00255	0.00127	0.02314	0.01944	0.00014	0.00176	—	0.00176	0.00176	—	0.00176	—	27.6139	27.6139	0.00244	0.00005	—	27.6905
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00255	0.00127	0.02314	0.01944	0.00014	0.00176	—	0.00176	0.00176	—	0.00176	—	27.6139	27.6139	0.00244	0.00005	—	27.6905
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.00046	0.00023	0.00422	0.00355	0.00003	0.00032	—	0.00032	0.00032	—	0.00032	—	4.57180	4.57180	0.00040	0.00001	—	4.58448
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00046	0.00023	0.00422	0.00355	0.00003	0.00032	—	0.00032	0.00032	—	0.00032	—	4.57180	4.57180	0.00040	0.00001	—	4.58448

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.95048	1.95048	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.13898	0.13898	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.69613	0.64244	0.03292	3.91211	0.00023	0.00695	—	0.00695	0.00525	—	0.00525	—	16.0876	16.0876	0.00067	0.00014	—	16.1456
Total	2.78559	2.73190	0.03292	3.91211	0.00023	0.00695	—	0.00695	0.00525	—	0.00525	—	16.0876	16.0876	0.00067	0.00014	—	16.1456
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.95048	1.95048	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.13898	0.13898	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	2.08946	2.08946	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.35596	0.35596	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.02536	0.02536	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landsca Equipment	0.06265	0.05782	0.00296	0.35209	0.00002	0.00063	—	0.00063	0.00047	—	0.00047	—	1.31350	1.31350	0.00006	0.00001	—	1.31824
Total	0.44398	0.43915	0.00296	0.35209	0.00002	0.00063	—	0.00063	0.00047	—	0.00047	—	1.31350	1.31350	0.00006	0.00001	—	1.31824

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.95048	1.95048	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.10616	0.10616	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	2.05664	2.05664	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.95048	1.95048	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.10616	0.10616	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	2.05664	2.05664	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.35596	0.35596	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	0.01937	0.01937	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.37534	0.37534	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	20.7828	23.8755	44.6582	2.13490	0.05110	—	113.259
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	20.7828	23.8755	44.6582	2.13490	0.05110	—	113.259
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	20.7828	23.8755	44.6582	2.13490	0.05110	—	113.259
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	20.7828	23.8755	44.6582	2.13490	0.05110	—	113.259
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	3.44082	3.95285	7.39368	0.35346	0.00846	—	18.7513
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	3.44082	3.95285	7.39368	0.35346	0.00846	—	18.7513

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	20.7828	23.8755	44.6582	2.13490	0.05110	—	113.259
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	20.7828	23.8755	44.6582	2.13490	0.05110	—	113.259

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	20.7828	23.8755	44.6582	2.13490	0.05110	—	113.259
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	20.7828	23.8755	44.6582	2.13490	0.05110	—	113.259
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	3.44082	3.95285	7.39368	0.35346	0.00846	—	18.7513
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	3.44082	3.95285	7.39368	0.35346	0.00846	—	18.7513

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	50.9026	0.00000	50.9026	5.08753	0.00000	—	178.091
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	50.9026	0.00000	50.9026	5.08753	0.00000	—	178.091
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	50.9026	0.00000	50.9026	5.08753	0.00000	—	178.091
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	50.9026	0.00000	50.9026	5.08753	0.00000	—	178.091
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	8.42750	0.00000	8.42750	0.84230	0.00000	—	29.4850
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	8.42750	0.00000	8.42750	0.84230	0.00000	—	29.4850

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	50.9026	0.00000	50.9026	5.08753	0.00000	—	178.091
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	50.9026	0.00000	50.9026	5.08753	0.00000	—	178.091
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	50.9026	0.00000	50.9026	5.08753	0.00000	—	178.091
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Total	—	—	—	—	—	—	—	—	—	—	—	50.9026	0.00000	50.9026	5.08753	0.00000	—	178.091
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	8.42750	0.00000	8.42750	0.84230	0.00000	—	29.4850
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	8.42750	0.00000	8.42750	0.84230	0.00000	—	29.4850

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43183	0.43183
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43183	0.43183
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Regional Shopping	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43183	0.43183
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43183	0.43183
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07149	0.07149
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07149	0.07149

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43183	0.43183
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43183	0.43183
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43183	0.43183
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43183	0.43183
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Regiona Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07149	0.07149
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07149	0.07149

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year

Regional Shopping Center	3,268.00	3,255.07	1,345.89	1,091,921	12,862.4	12,811.6	5,297.26	4,297,668
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Regional Shopping Center	3,268.00	3,255.07	1,345.89	1,091,921	12,862.4	12,811.6	5,297.26	4,297,668
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Regional Shopping Center	Wood Fireplaces	0	0
Regional Shopping Center	Gas Fireplaces	0	0
Regional Shopping Center	Propane Fireplaces	0	0
Regional Shopping Center	Electric Fireplaces	0	0
Regional Shopping Center	No Fireplaces	0	0
Regional Shopping Center	Conventional Wood Stoves	0	0
Regional Shopping Center	Catalytic Wood Stoves	0	0
Regional Shopping Center	Non-Catalytic Wood Stoves	0	0
Regional Shopping Center	Pellet Wood Stoves	0	0
Parking Lot	Wood Fireplaces	0	0
Parking Lot	Gas Fireplaces	0	0

Parking Lot	Propane Fireplaces	0	0
Parking Lot	Electric Fireplaces	0	0
Parking Lot	No Fireplaces	0	0
Parking Lot	Conventional Wood Stoves	0	0
Parking Lot	Catalytic Wood Stoves	0	0
Parking Lot	Non-Catalytic Wood Stoves	0	0
Parking Lot	Pellet Wood Stoves	0	0
Other Asphalt Surfaces	Wood Fireplaces	0	0
Other Asphalt Surfaces	Gas Fireplaces	0	0
Other Asphalt Surfaces	Propane Fireplaces	0	0
Other Asphalt Surfaces	Electric Fireplaces	0	0
Other Asphalt Surfaces	No Fireplaces	0	0
Other Asphalt Surfaces	Conventional Wood Stoves	0	0
Other Asphalt Surfaces	Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Non-Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Pellet Wood Stoves	0	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0.00000	0.00000	134,928	44,976.0	19,460.3

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	180.000

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	180.000

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Regional Shopping Center	916,203	203.983	0.0330	0.0040	86,162.8
Parking Lot	188,885	203.983	0.0330	0.0040	0.00000
Other Asphalt Surfaces	0.00000	203.983	0.0330	0.0040	0.00000

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Regional Shopping Center	916,203	203.983	0.0330	0.0040	86,162.8
Parking Lot	188,885	203.983	0.0330	0.0040	0.00000
Other Asphalt Surfaces	0.00000	203.983	0.0330	0.0040	0.00000

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Regional Shopping Center	10,845,618	0.00000
Parking Lot	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Regional Shopping Center	10,845,618	0.00000
Parking Lot	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Regional Shopping Center	94.4496	0.00000
Parking Lot	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Regional Shopping Center	94.4496	0.00000
Parking Lot	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000

Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430.00	0.03750	1.000000	0.00000	1.000000

5.14.2. Mitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430.00	0.03750	1.000000	0.00000	1.000000

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	20.0600	annual days of extreme heat
Extreme Precipitation	0.00000	annual days with precipitation above 20 mm

Sea Level Rise	—	meters of inundation depth
Wildfire	0.00000	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2

Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	93.6279
AQ-PM	99.3155
AQ-DPM	54.8102
Drinking Water	72.9986
Lead Risk Housing	7.14556
Pesticides	0.00000
Toxic Releases	39.1223
Traffic	67.1875
Effect Indicators	—

CleanUp Sites	27.4916
Groundwater	59.6048
Haz Waste Facilities/Generators	53.5142
Impaired Water Bodies	0.00000
Solid Waste	0.00000
Sensitive Population	—
Asthma	21.0867
Cardio-vascular	30.7951
Low Birth Weights	28.0729
Socioeconomic Factor Indicators	—
Education	29.6760
Housing	15.5006
Linguistic	21.4237
Poverty	22.0101
Unemployment	67.4779

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	74.07930194
Employed	65.05838573
Median HI	66.79070961
Education	—
Bachelor's or higher	57.08969588
High school enrollment	100
Preschool enrollment	17.9006801
Transportation	—

Auto Access	52.9449506
Active commuting	56.70473502
Social	—
2-parent households	19.17105094
Voting	67.22699859
Neighborhood	—
Alcohol availability	71.87219299
Park access	52.55998973
Retail density	27.37071731
Supermarket access	19.78698832
Tree canopy	9.187732581
Housing	—
Homeownership	39.93327345
Housing habitability	84.98652637
Low-inc homeowner severe housing cost burden	93.301681
Low-inc renter severe housing cost burden	84.08828436
Uncrowded housing	70.21686129
Health Outcomes	—
Insured adults	92.01847812
Arthritis	31.2
Asthma ER Admissions	73.6
High Blood Pressure	29.0
Cancer (excluding skin)	16.1
Asthma	51.9
Coronary Heart Disease	37.1
Chronic Obstructive Pulmonary Disease	50.7
Diagnosed Diabetes	80.8
Life Expectancy at Birth	53.0

Cognitively Disabled	66.4
Physically Disabled	26.6
Heart Attack ER Admissions	46.6
Mental Health Not Good	60.0
Chronic Kidney Disease	45.1
Obesity	52.4
Pedestrian Injuries	74.9
Physical Health Not Good	65.0
Stroke	45.2
Health Risk Behaviors	—
Binge Drinking	11.3
Current Smoker	53.5
No Leisure Time for Physical Activity	58.6
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	53.3
Elderly	40.9
English Speaking	76.1
Foreign-born	16.0
Outdoor Workers	46.6
Climate Change Adaptive Capacity	—
Impervious Surface Cover	59.7
Traffic Density	56.7
Traffic Access	0.0
Other Indices	—
Hardship	35.5
Other Decision Support	—

2016 Voting	53.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	30.0000
Healthy Places Index Score for Project Location (b)	57.0000
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Land Use	Based on information provided.
Operations: Vehicle Data	Based on information provided by the project traffic consultant.
Operations: Fleet Mix	Based on information provided by the traffic consultant.

Operations: Energy Use	The estimated 266,604 kWh/yr of renewable electricity generated from onsite PV system for Phase 2 is subtracted from the Title 24 electricity default total. Includes incorporation of Reduction Measure GHG-1, which requires all-electric building systems and appliances for all land uses except for restaurant land uses.
Operations: Water and Waste Water	Based on the full buildout demand from the Water Supply and Demand Analysis Coffee and Rosedale Commercial Retail Development Project study prepared by PlaceWorks. For purposes of modeling, all project water demand assigned to the Regional Shopping Center land use.

8.3. Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	acre	2.06501	1.77000
Landscape Area	sq. ft	—	51,171.0
Special Landscape Area	sq. ft	—	0.00000
Lot Area	acre	3.33900	4.95000
Landscape Area	sq. ft	—	0.00000

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

Land Use	Model Parameter	Units	Default Value	New Value
Regional Shopping Center	Weekday Trip Rate	size/day	37.7500	36.3305
Regional Shopping Center	Saturday Trip Rate	size/day	46.1200	36.1867
Regional Shopping Center	Sunday Trip Rate	size/day	21.1000	14.9623
Regional Shopping Center	Non-Res H-W Trip Length	miles	8.50253	3.93588
Regional Shopping Center	Non-Res W-O Trip Length	miles	4.80598	0.00000
Regional Shopping Center	Non-Res O-O Trip Length	miles	5.08225	0.00000
Regional Shopping Center	Weekday Primary Trip	%	37.9200	100.0000

Regional Shopping Center	Weekday Divert Trip	%	28.0800	0.00000
Regional Shopping Center	Weekday Pass-By Trip	%	34.0000	0.00000
Regional Shopping Center	Saturday Primary Trip	%	42.5100	100.0000
Regional Shopping Center	Saturday Divert Trip	%	31.4900	0.00000
Regional Shopping Center	Saturday Pass-By Trip	%	26.0000	0.00000
Regional Shopping Center	Sunday Primary Trip	%	42.5100	100.0000
Regional Shopping Center	Sunday Divert Trip	%	31.4900	0.00000
Regional Shopping Center	Sunday Pass-By Trip	%	26.0000	0.00000
Regional Shopping Center	Non-Res H-W Trip	%	31.7132	100.0000
Regional Shopping Center	Non-Res W-O Trip	%	14.8513	0.00000
Regional Shopping Center	Non-Res O-O Trip	%	53.4356	0.00000
Parking Lot	Non-Res H-W Trip	%	31.7132	100.0000
Parking Lot	Non-Res W-O Trip	%	14.8513	0.00000
Parking Lot	Non-Res O-O Trip	%	53.4356	0.00000
Other Asphalt Surfaces	Non-Res H-W Trip	%	31.7132	100.0000
Other Asphalt Surfaces	Non-Res W-O Trip	%	14.8513	0.00000
Other Asphalt Surfaces	Non-Res O-O Trip	%	53.4356	0.00000

8.5.1.2. Fleet Mix

Land Use	Season	Model Parameter	Units	Default Value	New Value
Regional Shopping Center	A	Heavy-Heavy-Duty Trucks	%	4%	1%
Regional Shopping Center	A	Passenger Cars	%	43%	43%
Regional Shopping Center	A	Light-Duty Trucks 1	%	4%	4%
Regional Shopping Center	A	Light-Duty Trucks 2	%	22%	22%
Regional Shopping Center	A	Light Heavy-Duty Trucks 1	%	3%	5%
Regional Shopping Center	A	Light Heavy-Duty Trucks 2	%	1%	2%
Regional Shopping Center	A	Motorcycles	%	2%	2%
Regional Shopping Center	A	Medium-Duty Trucks	%	19%	19%

Regional Shopping Center	A	Motor Homes	%	< 0.5%	0%
Regional Shopping Center	A	Medium-Heavy-Duty Trucks	%	2%	3%
Regional Shopping Center	A	Other Buses	%	< 0.5%	0%
Regional Shopping Center	A	School Buses	%	< 0.5%	0%
Regional Shopping Center	A	Urban Buses	%	< 0.5%	0%
Regional Shopping Center	S	Heavy-Heavy-Duty Trucks	%	4%	1%
Regional Shopping Center	S	Passenger Cars	%	43%	43%
Regional Shopping Center	S	Light-Duty Trucks 1	%	4%	4%
Regional Shopping Center	S	Light-Duty Trucks 2	%	22%	22%
Regional Shopping Center	S	Light Heavy-Duty Trucks 1	%	3%	5%
Regional Shopping Center	S	Light Heavy-Duty Trucks 2	%	1%	2%
Regional Shopping Center	S	Motorcycles	%	2%	2%
Regional Shopping Center	S	Medium-Duty Trucks	%	19%	19%
Regional Shopping Center	S	Motor Homes	%	< 0.5%	0%
Regional Shopping Center	S	Medium-Heavy-Duty Trucks	%	2%	3%
Regional Shopping Center	S	Other Buses	%	< 0.5%	0%
Regional Shopping Center	S	School Buses	%	< 0.5%	0%
Regional Shopping Center	S	Urban Buses	%	< 0.5%	0%
Regional Shopping Center	W	Heavy-Heavy-Duty Trucks	%	4%	1%
Regional Shopping Center	W	Passenger Cars	%	43%	43%
Regional Shopping Center	W	Light-Duty Trucks 1	%	4%	4%
Regional Shopping Center	W	Light-Duty Trucks 2	%	22%	22%
Regional Shopping Center	W	Light Heavy-Duty Trucks 1	%	3%	5%
Regional Shopping Center	W	Light Heavy-Duty Trucks 2	%	1%	2%
Regional Shopping Center	W	Motorcycles	%	2%	2%
Regional Shopping Center	W	Medium-Duty Trucks	%	19%	19%
Regional Shopping Center	W	Motor Homes	%	< 0.5%	0%
Regional Shopping Center	W	Medium-Heavy-Duty Trucks	%	2%	3%

Regional Shopping Center	W	Other Buses	%	< 0.5%	0%
Regional Shopping Center	W	School Buses	%	< 0.5%	0%
Regional Shopping Center	W	Urban Buses	%	< 0.5%	0%

8.5.3. Energy Usage

Land Use	Model Parameter	Units	Default Value	New Value
Regional Shopping Center	Electricity	kWh/yr	949,900	916,203
Regional Shopping Center	Electricity (Subject to Title 24)	kWh/yr	733,684	697,358
Regional Shopping Center	Electricity (Not Subject to Title 24)	kWh/yr	216,216	218,845
Regional Shopping Center	Natural Gas	kBTU/yr	880,841	86,162.8
Regional Shopping Center	Natural Gas (Subject to Title 24)	kBTU/yr	870,900	85,190.4
Regional Shopping Center	Natural Gas (Not Subject to Title 24)	kBTU/yr	9,941.11	972.430

8.5.4. Water and Waste Water

Land Use	Model Parameter	Units	Default Value	New Value
Regional Shopping Center	Indoor Water	gal/year	6,662,971	10,845,618
Regional Shopping Center	Outdoor Water	gal/year	834,582	0.00000

8.6. Measure Input Overrides

8.6.2. Operations Measure Inputs

Sector	Measure Number	Land Use Subtype	Equipment Type	Model Parameter	Default Value	New Value
Area Sources	AS-2	—	Non-residential Exterior	ROG Ef	2.00000	25.0000
Area Sources	AS-2	—	Parking	ROG Ef	2.00000	25.0000

Appendix C. Off-Road Equipment and On-Road Vehicle Fuel Consumption

Appendix

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Operation-Related Annual Vehicle Fuel/Energy Usage Summary

Proposed Project

Year	Gas			Diesel			CNG			Electricity		
	VMT	Gallons	Miles/Gal	VMT	Gallons	Miles/Gal	VMT	Gallons	Miles/Gal	VMT	kWh	Miles/kWh
Proposed Project	32,807,847	1,328,437	24.70	2,787,487	251,080	11.10	10,571	313	33.73	1,856,622	646,405	2.87

Notes

** VMT based on trip generation data provided by Integrated Engineering Group (2026).*

*** Fuel consumption rates based on data obtained from EMFAC2021 Web Database, Version 1.0.2. https://arb.ca.gov/emfac/*

Construction-Related Fuel/Energy Usage

CONSTRUCTION WORKER COMMUTE

Year	Gas		Diesel		Electricity	
	VMT	Gallons	VMT	Gallons	VMT	kWh
2026	326,134	12,311	464	12	9,288	3,385
2027	196,259	7,261	266	7	6,280	2,290
Total	**522,393**	**19,572**	**729**	**19**	**15,568**	**5,675**

CONSTRUCTION WORKER COMMUTE

Phase	Gas		Diesel		Electricity	
	VMT	Gallons	VMT	Gallons	VMT	kWh
Phase 1	317,886	12,000	452	12	9,053	3,299
Phase 2	196,259	7,261	266	7	6,280	2,290
Left Turn	2,873	108	4	0	82	30
Traffic Signal	5,375	203	8	0	153	56
Total	**522,393**	**19,572**	**729**	**19**	**15,568**	**5,675**

CONSTRUCTION VENDOR TRIPS

Year	Gas		Diesel	
	VMT	Gallons	VMT	Gallons
2026	3,609	752	51,789	7,104
2027	1,067	220	15,980	2,160
Total	**4,676**	**972**	**67,769**	**9,264**

CONSTRUCTION VENDOR TRIPS

Phase	Gas		Diesel	
	VMT	Gallons	VMT	Gallons
Phase 1	3,516	733	50,463	6,922
Phase 2	1,067	220	15,980	2,160
Left Turn	38	8	544	75
Traffic Signal	54	11	782	107
Total	**4,676**	**972**	**67,769**	**9,264**

CONSTRUCTION TRUCK HAUL TRIPS & ONSITE TRUCKS

Year	Gas		Diesel	
	VMT	Gallons	VMT	Gallons
2026	0.0000	0.0000	2,925	463
2027	0.0000	0.0000	23	4
Total	**0.0000**	**0.0000**	**2,947**	**467**

CONSTRUCTION TRUCK HAUL TRIPS & ONSITE TRUCKS

Phase	Gas		Diesel	
	VMT	Gallons	VMT	Gallons
Phase 1	0	0	25	4
Phase 2	0	0	23	4
Left Turn	0	0	2,900	460
Traffic Signal	0	0	0	0
Total	**0**	**0**	**2,947**	**467**

CONSTRUCTION OFF-ROAD EQUIPMENT

Year	Gasoline gallons	Diesel gallons
2026	758	11,477
2027	272	8,350
Total	**1,030**	**19,827**

CONSTRUCTION OFF-ROAD EQUIPMENT

Phase	Gasoline	Diesel
Phase 1	744	10,685
Phase 2	272	8,350
Left Turn	14	625
Traffic Signal	0	167
Total	**1,030**	**19,827**

CONSTRUCTION TOTAL

Year	Gas		Diesel		Electricity	
	VMT	Gallons	VMT	Gallons	VMT	kWh
2026	329,743	13,821	55,178	19,057	9,288	3,385
2027	197,326	7,753	16,268	10,521	6,280	2,290
Total	**527,069**	**21,574**	**71,446**	**29,578**	**15,568**	**5,675**

CONSTRUCTION TOTAL

Phase	Gas		Diesel		Electricity	
	VMT	Gallons	VMT	Gallons	VMT	kWh
Phase 1	321,403	13,477	50,940	17,623	9,053	3,299
Phase 2	197,326	7,753	16,268	10,521	6,280	2,290
Left Turn	2,911	130	3,448	1,160	82	30
Traffic Signal	5,430	214	790	274	153	56
Total	**527,069**	**21,574**	**71,446**	**29,578**	**15,568**	**5,675**

Transportation Fuel Usage: Operation Year 2027

Vehicle type	Land Use: Fleet percent[1]	Land Use: VMT[2]											
	Regional Shopping	Regional Shopping	Medical Office	Medical Office	Convenience Mart/Gas Station	Convenience Mart/Gas Station	Fast Food Restaurant w/Drive-Thru	Fast Food Restaurant w/Drive-Thru	Automated Carwash	Automated Carwash	Unrefrigerated Ware House	Unrefrigerated Ware House	Total
HHD	0.73%	117,030	0.73%	1,543	0.73%	97,405	0.73%	53,154	0.73%	4,497	0.73%	486	274,115
LDA	43.24%	6,915,440	43.24%	91,203	43.24%	5,755,789	43.24%	3,140,922	43.24%	265,719	43.24%	28,747	16,197,821
LDT1	3.57%	571,110	3.57%	7,532	3.57%	475,341	3.57%	259,392	3.57%	21,944	3.57%	2,374	1,337,694
LDT2	21.60%	3,453,996	21.60%	45,553	21.60%	2,874,795	21.60%	1,568,770	21.60%	132,717	21.60%	14,358	8,090,188
LHD1	5.36%	858,008	5.36%	11,316	5.36%	714,128	5.36%	389,698	5.36%	32,968	5.36%	3,567	2,009,684
LHD2	1.68%	268,813	1.68%	3,545	1.68%	223,736	1.68%	122,092	1.68%	10,329	1.68%	1,117	629,632
MCY	2.03%	324,789	2.03%	4,283	2.03%	270,325	2.03%	147,516	2.03%	12,480	2.03%	1,350	760,743
MDV	18.58%	2,972,246	18.58%	39,199	18.58%	2,473,830	18.58%	1,349,964	18.58%	114,206	18.58%	12,355	6,961,799
MH	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0
MHD	3.21%	512,687	3.21%	6,762	3.21%	426,714	3.21%	232,857	3.21%	19,700	3.21%	2,131	1,200,851
OBUS	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0
SBUS	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0
UBUS	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0
	100%	15,994,119	100%	210,936	100%	13,312,064	100%	7,264,364	100%	614,559	100%	66,486	37,462,527

[1] *EMFAC2021, v1.0.2*

[2] *CalEEMod, V2022*

Vehicle type	Proposed Conditions[1]: Gas percent	Diesel percent	CNG percent	Electricity percent	
HHD	0.00%	98.05%	0.59%	1.36%	<< Equal to T7 (https://www.arb.ca.gov/msei/downloads/emfac2014/emfac2014-vol3-technical-documentation-052015.pdf)
LDA	90.68%	0.17%	0.00%	9.15%	
LDT1	99.21%	0.01%	0.00%	0.78%	
LDT2	97.98%	0.34%	0.00%	1.68%	
LHD1	52.56%	45.30%	0.00%	2.14%	
LHD2	28.82%	69.46%	0.00%	1.72%	
MCY	100.00%	0.00%	0.00%	0.00%	
MDV	96.55%	1.49%	0.00%	1.96%	
MH	66.42%	33.58%	0.00%	0.00%	
MHD	12.08%	84.26%	0.74%	2.91%	<< Equal to T6 (https://www.arb.ca.gov/msei/downloads/emfac2014/emfac2014-vol3-technical-documentation-052015.pdf)
OBUS	59.59%	38.40%	0.59%	1.42%	<< Motor coach, all other buses, and OBUS (https://www.arb.ca.gov/msei/downloads/emfac2014/emfac2014-vol3-technical-documentation-052015.pdf)
SBUS	29.19%	57.87%	11.56%	1.38%	
UBUS	15.63%	13.85%	62.02%	8.50%	

[1] *EMFAC2021, v1.0.2*

Proposed Conditions

Vehicle type	Gasoline: VMT	Gasoline: mpg	Gasoline: Gallons	Diesel: VMT	Diesel: mpg	Diesel: Gallons	CNG: VMT	CNG: mpg	CNG: Gallons	Electricity: VMT	Electricity: m/kWh	Electricity: kWh
HHD	9	4.01	2	268,757	6.42	41,853	1,627	5.19	313	3,723	0.55	0
LDA	14,688,326	31.39	467,883	28,146	45.56	618	0	0.00	0	1,481,349	2.71	546,432
LDT1	1,327,154	25.96	51,114	89	25.23	4	0	0.00	0	10,451	2.80	3,733
LDT2	7,927,092	25.85	306,618	27,234	36.03	756	0	0.00	0	135,861	2.87	47,346
LHD1	1,056,370	9.94	106,261	910,388	15.87	57,351	0	0.00	0	42,926	1.54	0
LHD2	181,456	8.65	20,982	437,320	13.15	33,268	0	0.00	0	10,856	1.56	0
MCY	760,743	41.98	18,120	0	0.00	0	0	0.00	0	0	0.00	0
MDV	6,721,650	20.52	327,546	103,695	25.49	4,068	0	0.00	0	136,454	2.79	48,895
MH	0	4.41	0	0	9.41	0	0	0.00	0	0	0.00	0
MHD	145,047	4.85	29,910	1,011,858	8.94	113,163	8,944	7.14	0	35,001	0.00	0
OBUS	0	4.89	0	0	7.23	0	0	7.82	0	0	0.00	0
SBUS	0	9.99	0	0	8.20	0	0	5.81	0	0	0.95	0
UBUS	0	5.86	0	0	10.05	0	0	6.64	0	0	0.57	0
	32,807,847		**1,328,437**	**2,787,487**		**251,080**	**10,571**		**313**	**1,856,622**		**646,405**

Off-Road Construction Equipment Fuel Usage Worksheet

Year	Total Gasoline	Total Diesel Gallons	Total Natural Gas
2026	758	11,477	0
2027	272	8,350	0
Total	**1,030**	**19,827**	**0**

Year	Total Gasoline	Total Diesel Gallons	Total Natural Gas
Phase 1	744	10,685	0
Phase 2	272	8,350	0
Left Turn Lane	14	625	0
Traffic Signal	0	167	0
Total	**1,030**	**19,827**	**0**

Equipment Type[1]	Number of Equipment[1]	Horsepower	OFFROAD Horsepower Category	Fuel Type	Working days[1]	Hours Per Day	Total Hours of Operation	Gasoline Gal/Hr[2]	Total Gasoline gallons	Diesel Gal/Hr[2]	Total Diesel gallons	Natural Gas Gal/Hr[2]	Total Natural Gas gallons
2026													
P1 Site Preparation													
Tractors/Loaders/Backhoes	1	84	*100*	*Diesel*	5	8.00	40	0.00	0	1.47	59	0.00	0
P1 Rough Grading													
Tractors/Loaders/Backhoes	1	84	*100*	*Diesel*	10	8	80	0.00	0	1.47	117	0.00	0
Scrapers	2	453	*600*	*Diesel*	10	8	160	0.00	0	6.28	1,005	0.00	0
P1 Fine Grading													
Graders	1	149	*175*	*Diesel*	15	8	120	0.00	0	2.18	261	0.00	0
Tractors/Loaders/Backhoes	2	84	*100*	*Diesel*	15	8	240	0.00	0	1.47	352	0.00	0
P1 Building Construction													
Forklifts	2	82	*100*	*Diesel*	196	8	3,136	0.00	0	1.24	3,879	0.00	0
Generator Sets	1	14	*25*	*Diesel*	196	8	1,568	0.00	0	0.00	0	0.00	0
Welders	1	46	*50*	*Diesel*	196	8	1,568	0.00	0	1.19	1,863	0.00	0
P1 Asphalt Paving													
Pavers	1	81	*100*	*Diesel*	10	8	80	0.00	0	1.41	113	0.00	0
Rollers	2	36	*50*	*Diesel*	10	8	160	0.00	0	0.58	93	0.00	0
Tractors/Loaders/Backhoes	1	84	*100*	*Diesel*	10	8	80	0.00	0	1.47	117	0.00	0
P1 Architectural Coatings													
Air Compressors	1	37	*50*	*Gasoline*	55	6	330	2.26	744	0.00	0	0.00	0
P1 Utility Trenching													
Tractors/Loaders/Backhoes	2	84	*100*	*Diesel*	45	8	720	0.00	0	1.47	1,055	0.00	0
Excavators	2	36	*50*	*Diesel*	45	8	720	0.00	0	0.59	427	0.00	0
P1 Finishing/Landscaping													
Tractors/Loaders/Backhoes	1	84	*100*	*Diesel*	65	8.00	520	0.00	0	1.47	762	0.00	0
Skid Steer Loaders	1	71	*75*	*Diesel*	65	8	520	0.00	0	1.12	581	0.00	0
Left Turn Lane Demolition													
Skid Steer Loaders	1	71	*75*	*Diesel*	5	8	40	0.00	0	1.12	45	0.00	0
Tractors/Loaders/Backhoes	2	84	*100*	*Diesel*	5	6	60	0.00	0	1.47	88	0.00	0
Left Turn Lane Site Preparation													
Tractors/Loaders/Backhoes	1	84	*100*	*Diesel*	5	8	40	0.00	0	1.47	59	0.00	0
Skid Steer Loaders	1	71	*75*	*Diesel*	5	8	40	0.00	0	1.12	45	0.00	0
Left Turn Lane Rough Grading													
Tractors/Loaders/Backhoes	1	84	*100*	*Diesel*	10	8	80	0.00	0	1.47	117	0.00	0
Left Turn Lane Fine Grading													
Tractors/Loaders/Backhoes	1	84	*100*	*Diesel*	5	8	40	0.00	0	1.47	59	0.00	0
Left Turn Lane Fine Paving													
Pavers	1	225	*300*	*Diesel*	5	8	40	0.00	0	3.29	131	0.00	0
Rollers	1	50	*50*	*Diesel*	5	8	40	0.00	0	0.58	23	0.00	0
Tractors/Loaders/Backhoes	1	80	*100*	*Diesel*	5	8	40	0.00	0	1.47	59	0.00	0
Left Turn Lane Architectural Coating													
Air Compressors	1	37	*50*	*Gasoline*	1	6	6	2.26	14	0.00	0	0.00	0
Traffic Signal Utility Trenching													
Tractors/Loaders/Backhoes	1	84	*100*	*Diesel*	20	2.4	48	0.00	0	1.47	70	0.00	0
Traffic Signal Installation													
Cranes	1	367	*600*	*Diesel*	20	0.8	16	0.00	0	6.02	96	0.00	0
							TOTAL		**758**		**11,477**		**0**
2027													
P2 Site Preparation													
Tractors/Loaders/Backhoes	1	84	*100*	*Diesel*	5	8	40	0.00	0	1.46	59	0.00	0
P2 Rough Grading													
Tractors/Loaders/Backhoes	1	84	*100*	*Diesel*	10	8	80	0.00	0	1.46	117	0.00	0
Scrapers	2	423	*600*	*Diesel*	10	8	160	0.00	0	6.28	1,004	0.00	0
P2 Fine Grading													
Graders	1	148	*175*	*Diesel*	10	8	80	0.00	0	2.17	174	0.00	0
Tractors/Loaders/Backhoes	2	84	*100*	*Diesel*	10	8	160	0.00	0	1.46	234	0.00	0
P2 Building Construction													
Forklifts	2	82	*100*	*Diesel*	135	8	2,160	0.00	0	1.23	2,653	0.00	0
Generator Sets	1	14	*25*	*Diesel*	135	8	1,080	0.00	0	0.00	0	0.00	0
Welders	2	46	*50*	*Diesel*	135	8	2,160	0.00	0	1.19	2,566	0.00	0
P2 Paving													
Pavers	1	81	*100*	*Diesel*	5	8	40	0.00	0	1.41	56	0.00	0
Rollers	2	36	*50*	*Diesel*	5	8	80	0.00	0	0.58	47	0.00	0
Tractors/Loaders/Backhoes	1	84	*100*	*Diesel*	5	8	40	0.00	0	1.46	59	0.00	0
P2 Architectural Coating													
Air Compressors	1	37	*50*	*Gasoline*	20	6	120	2.27	272	0.00	0	0.00	0
P2 Utility Trenching													
Tractors/Loaders/Backhoes	2	84	*100*	*Diesel*	20	8	320	0.00	0	1.46	469	0.00	0
Excavators	2	36	*50*	*Diesel*	20	8	320	0.00	0	0.59	190	0.00	0
P2 Finishing/Landscaping													
Tractors/Loaders/Backhoes	1	84	*100*	*Diesel*	35	8	280	0.00	0	1.46	410	0.00	0
Skid Steer Loaders	1	71	*75*	*Diesel*	35	8	280	0.00	0	1.12	313	0.00	0
							TOTAL		**272**		**8,350**		**0**

[1] Based on information provided.

[2] OFFROAD2021 v.1.0.2

OFFROAD Year 2026

	Equipment Type	Horsepower	Gas				Diesel				Natural Gas			
		HP	Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr	Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr	Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr
Air Compressors25	Air Compressors	25	13945.93239	49.62872371	0	0	1296.743492	2.457541397	0	0	0	0	0	0
Air Compressors50	Air Compressors	50	5894.75	5.4	2613.4	2.255586592	10095.9	12.13	9884.2	1.021418021	0	0	0	0
Air Compressors75	Air Compressors	75	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors100	Air Compressors	100	31882.75	17.5	8464.35	3.766709789	0	0	0	0	0	0	0	0
Air Compressors175	Air Compressors	175	3879.95	1.12	547.5	7.086666667	0	0	0	0	0	0	0	0
Air Compressors300	Air Compressors	300	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors600	Air Compressors	600	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors750	Air Compressors	750	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors9999	Air Compressors	9999	0	0	0	0	0	0	0	0	0	0	0	0
Aerial Lifts25	Aerial Lifts	25	697	4.185644434	0	0	5.49	2.564009118	0	0	107.1	1.734928928	0	0
Aerial Lifts50	Aerial Lifts	50	1974.65	3.43	1244.65	1.586510264	9607.069498	50.55958597	12379.19655	0.776065673	0	0	0	0
Aerial Lifts75	Aerial Lifts	75	0	0	0	0	19152.92392	55.1301247	16887.79427	1.134128212	0	0	0	0
Aerial Lifts100	Aerial Lifts	100	3551.45	3.43	1244.65	2.853372434	3805.457825	9.518683705	2828.739747	1.345283824	0	0	0	0
Aerial Lifts175	Aerial Lifts	175	0	0	0	0	5636.35738	6.739631236	3157.225164	1.785225028	0	0	0	0
Aerial Lifts300	Aerial Lifts	300	0	0	0	0	119.7175669	0.07984238	35.45230515	3.3768627	0	0	0	0
Aerial Lifts600	Aerial Lifts	600	0	0	0	0	70.80185459	0.031936952	13.06206295	5.42041903	0	0	0	0
Bore/Drill rigs25	Bore/Drill rigs	25	234.2	2.669434194	0	0	15.39	2.416394082	0	0	0	0	0	0
Bore/Drill rigs50	Bore/Drill rigs	50	102.2	0.52	47.45	2.153846154	1935.55605	3.657062404	2911.206116	0.664863968	0	0	0	0
Bore/Drill rigs75	Bore/Drill rigs	75	0	0	0	0	7414.268199	8.518934986	6970.498726	1.063663949	0	0	0	0
Bore/Drill rigs100	Bore/Drill rigs	100	1562.2	2.31	244.55	6.388059701	5727.413747	4.505112349	3887.763754	1.473189759	0	0	0	0
Bore/Drill rigs175	Bore/Drill rigs	175	543.85	0.56	47.45	11.46153846	41129.88502	17.85264456	19533.69586	2.105586434	0	0	0	0
Bore/Drill rigs300	Bore/Drill rigs	300	0	0	0	0	49281.90272	13.96827294	15082.1269	3.267569822	0	0	0	0
Bore/Drill rigs600	Bore/Drill rigs	600	0	0	0	0	71184.10835	12.00194039	12141.97049	5.862648767	0	0	0	0
Bore/Drill rigs750	Bore/Drill rigs	750	0	0	0	0	29268.00693	3.122924461	3098.850897	9.444793539	0	0	0	0
Bore/Drill rigs9999	Bore/Drill rigs	9999	0	0	0	0	9583.553896	0.758171474	776.8212893	12.33688369	0	0	0	0
Cement and Mortar Mixers25	Cement and Mortar Mixers	25	105.16	1.544772696	0	0	4.434	1.717323786	0	0	0	0	0	0
Cement and Mortar Mixers50	Cement and Mortar Mixers	50	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers75	Cement and Mortar Mixers	75	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers100	Cement and Mortar Mixers	100	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers175	Cement and Mortar Mixers	175	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers300	Cement and Mortar Mixers	300	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers600	Cement and Mortar Mixers	600	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers750	Cement and Mortar Mixers	750	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers9999	Cement and Mortar Mixers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws25	Concrete/Industrial Saws	25	3500	16.98167839	0	0	3.042	0.63574628	0	0	0	0	0	0
Concrete/Industrial Saws50	Concrete/Industrial Saws	50	3120.75	1.84	1120.55	2.785016287	1054.85	1.29	755.55	1.396135266	0	0	0	0
Concrete/Industrial Saws75	Concrete/Industrial Saws	75	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws100	Concrete/Industrial Saws	100	3040.45	1.06	646.05	4.706214689	0	0	0	0	0	0	0	0
Concrete/Industrial Saws175	Concrete/Industrial Saws	175	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws300	Concrete/Industrial Saws	300	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws600	Concrete/Industrial Saws	600	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws750	Concrete/Industrial Saws	750	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws9999	Concrete/Industrial Saws	9999	0	0	0	0	0	0	0	0	0	0	0	0
Cranes25	Cranes	25	0	0	0	0	5.179414145	0.089196644	14.3064331	0.362033926	0	0	0	0
Cranes50	Cranes	50	445.3	0.56	229.95	1.936507937	149.1729941	1.160654566	222.4017008	0.67073675	0	0	0	0
Cranes75	Cranes	75	0	0	0	0	632.1897935	3.436228218	614.4685839	1.028839895	0	0	0	0
Cranes100	Cranes	100	1551.25	1.09	459.9	3.373015873	1830.277655	6.743104659	1275.981882	1.434407244	0	0	0	0
Cranes175	Cranes	175	58.4	0	0	0	17067.59592	30.32348443	7797.226587	2.188931632	0	0	0	0
Cranes300	Cranes	300	0	0	0	0	61025.36193	68.19995305	17712.44598	3.445337929	0	0	0	0
Cranes600	Cranes	600	0	0	0	0	88121.6275	54.50001674	14636.71611	6.020587324	0	0	0	0
Cranes750	Cranes	750	0	0	0	0	13972.18335	6.290321221	1508.093863	9.264796903	0	0	0	0
Cranes9999	Cranes	9999	0	0	0	0	4758.259635	1.472623803	364.1077248	13.06827434	0	0	0	0
Crawler Tractors25	Crawler Tractors	25	0	0	0	0	0	0	0	0	0	0	0	0
Crawler Tractors50	Crawler Tractors	50	0	0	0	0	996.6763548	3.836699192	1519.777614	0.655804077	0	0	0	0
Crawler Tractors75	Crawler Tractors	75	0	0	0	0	7279.412675	15.21443668	6527.712846	1.115155162	0	0	0	0
Crawler Tractors100	Crawler Tractors	100	0	0	0	0	28737.06581	38.28445795	19515.84914	1.47249887	0	0	0	0
Crawler Tractors175	Crawler Tractors	175	0	0	0	0	106662.9028	78.60479805	52395.98344	2.03570762	0	0	0	0
Crawler Tractors300	Crawler Tractors	300	0	0	0	0	132413.2572	63.67951127	41813.59137	3.166751595	0	0	0	0
Crawler Tractors600	Crawler Tractors	600	0	0	0	0	236946.7337	63.62722819	42158.84847	5.620332204	0	0	0	0
Crawler Tractors750	Crawler Tractors	750	0	0	0	0	15983.62971	2.907784504	1717.269646	9.307582969	0	0	0	0
Crawler Tractors9999	Crawler Tractors	9999	0	0	0	0	25456.01687	3.440304299	2074.431159	12.271324	0	0	0	0
Crushing/Proc. Equipment25	Crushing/Proc. Equipment	25	42.56	0.2168	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment50	Crushing/Proc. Equipment	50	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment75	Crushing/Proc. Equipment	75	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment100	Crushing/Proc. Equipment	100	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment175	Crushing/Proc. Equipment	175	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment300	Crushing/Proc. Equipment	300	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment600	Crushing/Proc. Equipment	600	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment750	Crushing/Proc. Equipment	750	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment9999	Crushing/Proc. Equipment	9999	0	0	0	0	0	0	0	0	0	0	0	0
Dumpers/Tenders25	Dumpers/Tenders	25	258.8	4.407655066	0	0	2.192	0.886821266	0	0	0	0	0	0
Dumpers/Tenders100	Dumpers/Tenders	100	91.25	0.37	47.45	1.923076923	0	0	0	0	0	0	0	0
Excavators25	Excavators	25	0	0	0	0	18.81705525	1.437124432	23.39222526	0.804414931	0	0	0	0
Excavators50	Excavators	50	0	0	0	0	118854.3494	333.2900867	200533.1279	0.592691844	0	0	0	0
Excavators75	Excavators	75	0	0	0	0	93958.79587	137.8578876	91312.66966	1.028978741	0	0	0	0
Excavators100	Excavators	100	0	0	0	0	73320.91297	72.5707033	48930.41301	1.498473208	0	0	0	0
Excavators175	Excavators	175	0	0	0	0	415109.1101	206.2042792	188485.147	2.20234388	0	0	0	0
Excavators300	Excavators	300	0	0	0	0	445660.1316	153.643084	131442.7174	3.390527375	0	0	0	0
Excavators600	Excavators	600	0	0	0	0	514305.8323	107.1017991	94810.44031	5.424569601	0	0	0	0
Excavators750	Excavators	750	0	0	0	0	15277.85646	2.234246109	1583.884664	9.645813745	0	0	0	0
Excavators9999	Excavators	9999	0	0	0	0	73957.99585	4.150980613	3186.871955	23.20708108	0	0	0	0
Forklifts25	Forklifts	25	1032.411323	2.64770472	2021.40625	0.510739157	0.074192367	0.015968476	3.652667183	0.020311833	11.71	0.060011848	0	0
Forklifts50	Forklifts	50	51932.42486	25.22430881	29735.8523	1.74645826	25219.21666	55.25535636	31763.35702	0.793972018	50694.85	21.06	37945.4	1.335994613
Forklifts75	Forklifts	75	90224.13881	48.14507482	36038.7629	2.503530412	228107.037	347.7002855	152104.1526	1.499676591	0	0	0	0
Forklifts100	Forklifts	100	203223.0108	58.60142578	83992.5472	2.419536228	129050.6935	172.8114865	104319.3928	1.237072898	317422.25	73.93	133177.55	2.38345164
Forklifts175	Forklifts	175	22527.67605	4.700926954	4844.60245	4.650056694	358294.1141	339.30831	196969.0838	1.819037319	23808.95	2.7	4876.4	4.88248503
Forklifts300	Forklifts	300	1214.033074	0.189056586	134.025066	9.058253907	9775.156754	8.141473334	3178.346726	3.075547634	0	0	0	0
Forklifts600	Forklifts	600	1509.073336	0.101173519	68.4943245	22.03209312	2959.380097	1.50110261	584.3730439	5.064196798	0	0	0	0
Forklifts750	Forklifts	750	0	0	0	0	384.5395318	0.092520202	39.98683856	9.61665252	0	0	0	0
Forklifts9999	Forklifts	9999	0	0	0	0	3233.776986	0.319587851	110.6497276	29.22534972	0	0	0	0
Generator Sets25	Generator Sets	25	20962.32275	208.4381421	0	0	23832.09441	89.23486996	0	0	0	0	0	0
Generator Sets50	Generator Sets	50	45351.25	177.39	20367	2.226702509	27791.1	58.96	19899.8	1.396551724	0	0	0	0
Generator Sets75	Generator Sets	75	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets100	Generator Sets	100	20447.3	34.29	3927.4	5.206319703	0	0	0	0	1821.35	2.54	295.65	6.160493827
Generator Sets175	Generator Sets	175	3343.4	3.21	368.65	9.069306931	0	0	0	0	2657.2	2.08	259.15	10.25352113
Generator Sets300	Generator Sets	300	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets600	Generator Sets	600	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets750	Generator Sets	750	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets9999	Generator Sets	9999	0	0	0	0	0	0	0	0	0	0	0	0
Graders25	Graders	25	0	0	0	0	0	0	0	0	0	0	0	0
Graders50	Graders	50	0	0	0	0	355.352634	1.650263744	587.3198081	0.605041119	0	0	0	0
Graders75	Graders	75	0	0	0	0	1103.793905	3.169851901	1079.389177	1.022609757	0	0	0	0
Graders100	Graders	100	0	0	0	0	2877.193691	5.488354045	2019.59267	1.424640589	0	0	0	0
Graders175	Graders	175	0	0	0	0	46201.68645	46.7645929	21233.85487	2.175850157	0	0	0	0
Graders300	Graders	300	0	0	0	0	160128.9899	87.46747073	48933.06112	3.272409007	0	0	0	0
Graders600	Graders	600	0	0	0	0	38920.53506	12.93810933	7853.316827	4.955935934	0	0	0	0
Graders750	Graders	750	0	0	0	0	1477.595342	0.267589932	145.2422473	10.17331644	0	0	0	0
Graders9999	Graders	9999	0	0	0	0	1061.886114	0.178393288	97.70480064	10.86831053	0	0	0	0
Off-Highway Tractors25	Off-Highway Tractors	25	0	0	0	0	0	0	0	0	0	0	0	0
Off-Highway Tractors50	Off-Highway Tractors	50	0	0	0	0	19783.34546	35.86443168	31687.45016	0.624327466	0	0	0	0
Off-Highway Tractors75	Off-Highway Tractors	75	0	0	0	0	17063.68172	19.36626639	16879.30754	1.010923089	0	0	0	0
Off-Highway Tractors100	Off-Highway Tractors	100	0	0	0	0	16883.62992	12.80095275	11615.98221	1.453482763	0	0	0	0
Off-Highway Tractors175	Off-Highway Tractors	175	0	0	0	0	91514.61632	28.32259013	40791.90297	2.243450529	0	0	0	0
Off-Highway Tractors300	Off-Highway Tractors	300	0	0	0	0	41381.77439	11.06603561	12767.5451	3.241169235	0	0	0	0
Off-Highway Tractors600	Off-Highway Tractors	600	0	0	0	0	110435.0325	14.37046954	19240.18797	5.73981048	0	0	0	0
Off-Highway Tractors750	Off-Highway Tractors	750	0	0	0	0	8830.352771	0.936825947	963.7845138	9.162165032	0	0	0	0
Off-Highway Tractors9999	Off-Highway Tractors	9999	0	0	0	0	8649.804167	0.313069857	353.7046715	24.4548768	0	0	0	0
Off-Highway Trucks25	Off-Highway Trucks	25	0	0	0	0	0	0	0	0	0	0	0	0
Off-Highway Trucks50	Off-Highway Trucks	50	0	0	0	0	868.0271003	2.319112744	1839.895828	0.471780569	0	0	0	0
Off-Highway Trucks75	Off-Highway Trucks	75	0	0	0	0	913.5149477	1.160021313	806.5681813	1.132594824	0	0	0	0
Off-Highway Trucks100	Off-Highway Trucks	100	0	0	0	0	462.2565486	0.401384898	322.8857208	1.431641348	0	0	0	0
Off-Highway Trucks175	Off-Highway Trucks	175	0	0	0	0	23755.25823	8.653766367	9992.007646	2.377425946	0	0	0	0
Off-Highway Trucks300	Off-Highway Trucks	300	0	0	0	0	55860.564	17.18116956	16852.31596	3.31471141	0	0	0	0
Off-Highway Trucks600	Off-Highway Trucks	600	0	0	0	0	408311.0592	58.93447433	65317.48162	6.251175782	0	0	0	0
Off-Highway Trucks750	Off-Highway Trucks	750	0	0	0	0	58409.02359	7.655848283	5887.314117	9.921166501	0	0	0	0
Off-Highway Trucks9999	Off-Highway Trucks	9999	0	0	0	0	204359.3607	13.35742728	11917.13454	17.14836398	0	0	0	0
Pavers25	Pavers	25	769.2	2.677576864	0	0	4.137	0.550254253	0	0	0	0	0	0
Pavers50	Pavers	50	1474.6	1.57	605.9	2.43373494	1852.640285	5.932241155	2990.793448	0.619447754	0	0	0	0
Pavers75	Pavers	75	0	0	0	0	9388.815714	15.38822573	8479.983283	1.107173847	0	0	0	0
Pavers100	Pavers	100	1306.7	0.85	324.85	4.02247191	10247.67954	11.82087758	7285.248443	1.406634189	0	0	0	0
Pavers175	Pavers	175	0	0	0	0	34469.33858	20.92372308	16398.89476	2.101930593	0	0	0	0
Pavers300	Pavers	300	0	0	0	0	41903.99041	15.47777201	12752.11266	3.286042989	0	0	0	0
Pavers600	Pavers	600	0	0	0	0	7492.332583	1.60694769	1374.635484	5.450414071	0	0	0	0
Pavers750	Pavers	750	0	0	0	0	302.3018306	0.044598322	33.40829035	9.048706995	0	0	0	0
Pavers9999	Pavers	9999	0	0	0	0	6955.899888	0.312188254	248.3358285	28.01005368	0	0	0	0
Paving Equipment25	Paving Equipment	25	754	5.785187512	0	0	6.98	1.361546645	0	0	0	0	0	0
Paving Equipment50	Paving Equipment	50	1700.9	4.34	777.45	2.187793427	4726.0024	16.41314381	7678.617144	0.615475718	0	0	0	0
Paving Equipment75	Paving Equipment	75	0	0	0	0	3503.032993	6.466964777	3199.984211	1.094703212	0	0	0	0
Paving Equipment100	Paving Equipment	100	708.1	1.1	204.4	3.464285714	5537.754582	7.364555023	3826.042138	1.447384629	0	0	0	0
Paving Equipment175	Paving Equipment	175	0	0	0	0	38153.30667	23.7772574	18800.71303	2.029354239	0	0	0	0
Paving Equipment300	Paving Equipment	300	0	0	0	0	17242.94609	7.541449103	5116.926548	3.369785736	0	0	0	0
Paving Equipment600	Paving Equipment	600	0	0	0	0	40947.89911	10.88736984	7985.543784	5.127753377	0	0	0	0
Paving Equipment750	Paving Equipment	750	0	0	0	0	8808.820631	1.471744626	962.8481958	9.14871178	0	0	0	0
Paving Equipment9999	Paving Equipment	9999	0	0	0	0	5539.271113	0.579778186	384.3502665	14.41203922	0	0	0	0
Rollers25	Rollers	25	2316	12.67706803	0	0	49.13	10.80256547	0	0	0	0	0	0
Rollers50	Rollers	50	1916.25	1.09	700.8	2.734375	45125.60292	166.827664	77226.05976	0.584331287	0	0	0	0
Rollers75	Rollers	75	0	0	0	0	18316.8713	33.90140193	16258.32188	1.126615123	0	0	0	0
Rollers100	Rollers	100	5978.7	2.1	1317.65	4.537396122	28061.52529	40.24670849	19528.70307	1.436937475	0	0	0	0
Rollers175	Rollers	175	0	0	0	0	165188.3464	109.0349657	82804.52673	1.994919275	0	0	0	0
Rollers300	Rollers	300	0	0	0	0	14110.87649	7.238745414	4379.943383	3.221702944	0	0	0	0
Rollers600	Rollers	600	0	0	0	0	11863.8506	3.127604254	2068.686769	5.734967117	0	0	0	0
Rollers750	Rollers	750	0	0	0	0	280.6944513	0.044598322	27.077362	10.3663884	0	0	0	0
Rollers9999	Rollers	9999	0	0	0	0	12452.86493	0.579778186	370.0303109	33.65363475	0	0	0	0
Rough Terrain Forklifts25	Rough Terrain Forklifts	25	0	0	0	0	0	0	0	0	0	0	0	0
Rough Terrain Forklifts50	Rough Terrain Forklifts	50	591.3	0.3	109.5	5.4	1476.966615	5.530191928	2004.36003	0.736876905	0	0	0	0
Rough Terrain Forklifts75	Rough Terrain Forklifts	75	0	0	0	0	58129.03282	112.9755846	49589.75083	1.172198526	0	0	0	0
Rough Terrain Forklifts100	Rough Terrain Forklifts	100	13475.8	6.4	2657.2	5.071428571	40103.52108	64.69346629	27823.20494	1.441369575	0	0	0	0
Rough Terrain Forklifts175	Rough Terrain Forklifts	175	693.5	0.16	80.3	8.636363636	264639.2118	226.9376687	145495.5795	1.818881458	0	0	0	0
Rough Terrain Forklifts300	Rough Terrain Forklifts	300	0	0	0	0	2234.07645	1.383118818	741.7572123	3.011870209	0	0	0	0
Rough Terrain Forklifts600	Rough Terrain Forklifts	600	0	0	0	0	644.0099005	0.223008062	132.5531524	4.858503088	0	0	0	0
Rough Terrain Forklifts750	Rough Terrain Forklifts	750	0	0	0	0	211.3690282	0.044614774	23.54590336	8.97689186	0	0	0	0
Rough Terrain Forklifts9999	Rough Terrain Forklifts	9999	0	0	0	0	0	0	0	0	0	0	0	0
Rubber Tired Dozers25	Rubber Tired Dozers	25	0	0	0	0	0	0	0	0	0	0	0	0
Rubber Tired Dozers50	Rubber Tired Dozers	50	0	0	0	0	270.1105091	0.805831553	416.4001122	0.648680202	0	0	0	0
Rubber Tired Dozers75	Rubber Tired Dozers	75	0	0	0	0	866.3887351	1.340240005	839.2298948	1.032361622	0	0	0	0
Rubber Tired Dozers100	Rubber Tired Dozers	100	0	0	0	0	1931.725148	2.23150394	1332.381455	1.449828906	0	0	0	0
Rubber Tired Dozers175	Rubber Tired Dozers	175	0	0	0	0	6265.807966	3.703308705	2920.428932	2.145509482	0	0	0	0
Rubber Tired Dozers300	Rubber Tired Dozers	300	0	0	0	0	7847.119653	2.990591229	2394.250512	3.277484796	0	0	0	0
Rubber Tired Dozers600	Rubber Tired Dozers	600	0	0	0	0	46643.85108	10.92329244	8306.99686	5.61500767	0	0	0	0
Rubber Tired Dozers750	Rubber Tired Dozers	750	0	0	0	0	1549.602794	0.223557912	161.0238745	9.623435028	0	0	0	0
Rubber Tired Dozers9999	Rubber Tired Dozers	9999	0	0	0	0	3474.473281	0.22299161	185.0488762	18.77597612	0	0	0	0
Rubber Tired Loaders25	Rubber Tired Loaders	25	0	0.03616	0	0	2.869	0.36119485	0	0	0	0	0	0
Rubber Tired Loaders50	Rubber Tired Loaders	50	730	0.54	277.4	2.631578947	2685.753015	6.869754071	4073.966611	0.659247675	0	0	0	0
Rubber Tired Loaders75	Rubber Tired Loaders	75	0	0	0	0	21228.66876	30.64879941	19127.76516	1.109835288	0	0	0	0
Rubber Tired Loaders100	Rubber Tired Loaders	100	7143.05	3.75	1905.3	3.749042146	35106.04236	37.21275434	24285.947	1.445529069	0	0	0	0
Rubber Tired Loaders175	Rubber Tired Loaders	175	0	0	0	0	271253.3384	139.0039512	122325.2324	2.217476584	0	0	0	0
Rubber Tired Loaders300	Rubber Tired Loaders	300	0	0	0	0	509652.7155	175.9511029	156862.5871	3.249039335	0	0	0	0
Rubber Tired Loaders600	Rubber Tired Loaders	600	0	0	0	0	395739.2669	78.17942118	71624.17095	5.525219513	0	0	0	0
Rubber Tired Loaders750	Rubber Tired Loaders	750	0	0	0	0	13063.58559	2.154997966	1331.410827	9.811836

Surfacing Equipment175	Surfacing Equipment	175	0	0	0	0	4356.664632	3.346305236	2176.013943	2.002130844	0	0	0	0
Surfacing Equipment300	Surfacing Equipment	300	0	0	0	0	5061.677491	2.546594392	1470.213528	3.442817927	0	0	0	0
Surfacing Equipment600	Surfacing Equipment	600	0	0	0	0	29351.61425	7.629548132	5209.223959	5.634546427	0	0	0	0
Surfacing Equipment750	Surfacing Equipment	750	0	0	0	0	12363.09908	2.274754073	1348.954615	9.16494813	0	0	0	0
Surfacing Equipment9999	Surfacing Equipment	9999	0	0	0	0	6170.265733	0.895557441	471.199605	13.09480243	0	0	0	0
Sweepers/Scrubbers25	Sweepers/Scrubbers	25	61.1	1.916286532	0	0	0.984	0.157390224	0	0	0	0	0	0
Sweepers/Scrubbers50	Sweepers/Scrubbers	50	4347.15	3.18	1649.8	2.634955752	2549.373413	11.19792112	4586.006341	0.555902723	0	0	0	0
Sweepers/Scrubbers75	Sweepers/Scrubbers	75	0	0	0	0	2337.643659	4.329453713	2044.994206	1.143105273	0	0	0	0
Sweepers/Scrubbers100	Sweepers/Scrubbers	100	6186.75	2.67	1379.7	4.484126984	3043.700917	4.651260981	2197.979018	1.384772508	0	0	0	0
Sweepers/Scrubbers175	Sweepers/Scrubbers	175	69.35	0	0	0	705.1134018	0.639056989	393.8721203	1.790208967	0	0	0	0
Sweepers/Scrubbers300	Sweepers/Scrubbers	300	0	0	0	0	962.6988167	0.463085804	305.773305	3.148407009	0	0	0	0
Sweepers/Scrubbers600	Sweepers/Scrubbers	600	0	0	0	0	153.1022805	0.047905428	33.08700033	4.62726385	0	0	0	0
Sweepers/Scrubbers750	Sweepers/Scrubbers	750	0	0	0	0	0	0	0	0	0	0	0	0
Sweepers/Scrubbers9999	Sweepers/Scrubbers	9999	0	0	0	0	302.1023515	0.015968476	9.560606612	31.59865935	0	0	0	0
Tractors/Loaders/Backhoes25	Tractors/Loaders/Backhoes	25	0	0.09262	0	0	85.64547457	10.32037195	27.64842846	3.097661579	0	0	0	0
Tractors/Loaders/Backhoes50	Tractors/Loaders/Backhoes	50	0	0	0	0	44551.72461	144.0824463	71188.61103	0.625826575	0	0	0	0
Tractors/Loaders/Backhoes75	Tractors/Loaders/Backhoes	75	0	0	0	0	207751.041	340.310606	188059.9652	1.104706367	0	0	0	0
Tractors/Loaders/Backhoes100	Tractors/Loaders/Backhoes	100	5051.6	2.01	1726.45	2.926004228	495189.1248	565.0095421	337876.9948	1.465589941	0	0	0	0
Tractors/Loaders/Backhoes175	Tractors/Loaders/Backhoes	175	0	0	0	0	522959.665	335.1923724	275113.7007	1.900885574	0	0	0	0
Tractors/Loaders/Backhoes300	Tractors/Loaders/Backhoes	300	0	0	0	0	222421.4425	92.2635555	70389.75168	3.159855479	0	0	0	0
Tractors/Loaders/Backhoes600	Tractors/Loaders/Backhoes	600	0	0	0	0	170661.6105	39.31087402	30369.2709	5.61954915	0	0	0	0
Tractors/Loaders/Backhoes750	Tractors/Loaders/Backhoes	750	0	0	0	0	7906.043265	1.16023357	785.3437069	10.06698493	0	0	0	0
Tractors/Loaders/Backhoes9999	Tractors/Loaders/Backhoes	9999	0	0	0	0	31328.48102	1.561444105	1110.798295	28.20357319	0	0	0	0
Trenchers25	Trenchers	25	4734	15.70466243	0	0	73	7.319441782	0	0	0	0	0	0
Trenchers50	Trenchers	50	9157.85	10.24	4109.9	2.228241563	14148.28247	38.71583633	20309.67872	0.696627587	0	0	0	0
Trenchers75	Trenchers	75	0	0	0	0	4430.956209	8.477516617	4277.956852	1.035764586	0	0	0	0
Trenchers100	Trenchers	100	5661.15	3.42	1350.5	4.191891892	5534.494815	6.959442909	3778.354125	1.464789861	0	0	0	0
Trenchers175	Trenchers	175	0	0	0	0	9082.984193	6.959787911	4847.120808	1.873892678	0	0	0	0
Trenchers300	Trenchers	300	0	0	0	0	5470.130988	2.678157827	1694.171844	3.228793471	0	0	0	0
Trenchers600	Trenchers	600	0	0	0	0	9038.444126	2.366083206	1418.664979	6.371091315	0	0	0	0
Trenchers750	Trenchers	750	0	0	0	0	428.81556	0.134385867	46.3698332	9.247727034	0	0	0	0
Trenchers9999	Trenchers	9999	0	0	0	0	11238.46153	1.204154694	912.5163237	12.31590191	0	0	0	0
Welders25	Welders	25	0	0	0	0	11858.56329	36.46052989	0	0	0	0	0	0
Welders50	Welders	50	14172.95	28.13	5850.95	2.422333125	46325.8	60.67	38985.65	1.188278251	0	0	0	0
Welders75	Welders	75	0	0	0	0	0	0	0	0	0	0	0	0
Welders100	Welders	100	19848.7	28.76	5989.65	3.313833029	0	0	0	0	0	0	0	0
Welders175	Welders	175	2474.7	1.93	386.9	6.396226415	0	0	0	0	0	0	0	0
Welders300	Welders	300	0	0	0	0	0	0	0	0	0	0	0	0
Welders600	Welders	600	0	0	0	0	0	0	0	0	0	0	0	0
Welders750	Welders	750	0	0	0	0	0	0	0	0	0	0	0	0
Welders9999	Welders	9999	0	0	0	0	0	0	0	0	0	0	0	0

Model Output: Off-Road Web Query (v1.1.3) Emissions Inventory
Region Type: County
Region: Kern
Calendar Year: 2026
Scenario: All Adopted Rules - Exhaust
Vehicle Classification: Off-Road Web Query Equipment Types
Units: tons/day for Emissions, gallons/year for Fuel, hours/year for Activity, Horsepower-hours/year for Horsepower-hours

Region	Calendar Year	Vehicle Category	Model Year	Horsepower B	Fuel	HC_tpd	ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd	SOx_tpd	NH3_tpd	Fuel Consumptio	Total_Activity	Total_Population	Horsepower_Hours_hhpy
Kern	2026	Agricultural - Agricultural Tractors	Aggregate	100	Gasoline	3.88393E-07	4.69955E-07	5.59285E-07	5.88157E-06	1.43053E-06	0.000187921	1.41365E-08	1.30056E-08	1.70102E-09	1.53213E-09	6.090318662	34.58334047	0.018396765	162.5343335
Kern	2026	Agricultural - Agricultural Tractors	Aggregate	100	Diesel	0.038624191	0.046735271	0.055618835	0.353752988	0.333168706	57.03228179	0.024702899	0.022726667	0.000520511	0.000466679	1855075.948	136942.5523	930.9151024	66306841.75
Kern	2026	Agricultural - Agricultural Tractors	Aggregate	175	Gasoline	1.28976E-06	1.56061E-06	1.85725E-06	2.06803E-05	9.56143E-06	0.001185774	8.92008E-08	8.20648E-08	1.07682E-08	9.66771E-09	38.42971768	112.7749495	0.088971837	1025.586481
Kern	2026	Agricultural - Agricultural Tractors	Aggregate	175	Diesel	0.035858574	0.043388875	0.051636347	0.450691993	0.327992048	75.89236774	0.015726135	0.014468044	0.000693105	0.000621005	2468533.638	181024.5299	774.0031853	98091137.74
Kern	2026	Agricultural - Agricultural Tractors	Aggregate	25	Gasoline	6.40543E-06	7.75057E-06	9.22382E-06	7.79573E-05	1.28291E-06	0.000209811	1.39082E-07	1.27955E-07	1.72001E-09	1.71061E-09	6.799763966	465.4925454	0.09559432	181.4675299
Kern	2026	Agricultural - Agricultural Tractors	Aggregate	25	Diesel	0.001528768	0.001849809	0.002201425	0.006827524	0.005121182	0.690785038	0.000276706	0.00025457	6.27269E-06	5.65249E-06	22469.00647	17444.94382	47.93728787	803120.1406
Kern	2026	Agricultural - Agricultural Tractors	Aggregate	300	Diesel	0.022687084	0.027451372	0.032669401	0.146374416	0.188356343	63.86233706	0.008733367	0.008034698	0.000583463	0.000522567	2077235.589	126471.285	312.7099667	82542282.87
Kern	2026	Agricultural - Agricultural Tractors	Aggregate	50	Gasoline	1.72894E-05	2.09201E-05	2.48967E-05	0.000592404	4.61653E-05	0.013339576	1.00348E-06	9.23202E-07	1.21055E-07	1.08759E-07	432.3220258	1105.536842	1.459116729	11537.51975
Kern	2026	Agricultural - Agricultural Tractors	Aggregate	50	Diesel	0.029720164	0.035961399	0.042797037	0.132675306	0.1021494	13.45722704	0.007594366	0.006986816	0.000122201	0.000110117	437720.1371	107953.0849	546.1043066	15645634.24
Kern	2026	Agricultural - Agricultural Tractors	Aggregate	600	Diesel	0.03244095	0.039253549	0.046714968	0.263638424	0.271520518	94.86957386	0.01206753	0.011102127	0.000866791	0.00077629	3085800.868	117289.1057	260.742768	122619240
Kern	2026	Agricultural - Agricultural Tractors	Aggregate	75	Gasoline	3.48475E-07	4.21655E-07	5.01804E-07	5.62216E-06	1.28784E-06	0.000173514	1.30527E-08	1.20085E-08	1.57091E-09	1.41467E-09	5.623405158	138.9178201	0.024780735	150.0736576
Kern	2026	Agricultural - Agricultural Tractors	Aggregate	75	Diesel	0.021154715	0.025597206	0.03046279	0.131213158	0.183385015	19.47829234	0.010762528	0.009901526	0.000177532	0.000159385	633565.9472	124492.5842	509.9757924	22645842.06
Kern	2026	Agricultural - Agricultural Tractors	Aggregate	750	Diesel	0.002133142	0.002581102	0.003071724	0.018855859	0.021038713	4.807126299	0.000966975	0.000889617	4.39064E-05	3.93353E-05	156360.2945	3660.369333	9.94808715	6213226.728
Kern	2026	Agricultural - ATVs	Aggregate	100	Gasoline	0.000109788	0.000132843	0.000158094	0.004697878	0.000434615	0.315555641	2.37379E-05	2.18389E-05	2.87261E-06	2.57275E-06	10226.8357	657.5603979	12.43176954	327512.3026
Kern	2026	Agricultural - ATVs	Aggregate	175	Gasoline	0.000178413	0.00021588	0.000256915	0.008879287	0.000950383	0.688137374	5.17657E-05	4.76245E-05	6.26619E-06	5.61044E-06	22301.8289	1586.226909	15.3647973	714211.4665
Kern	2026	Agricultural - ATVs	Aggregate	175	Diesel	8.98867E-05	0.000108763	0.000129437	0.00192604	0.000842086	0.350367899	3.38534E-05	3.11451E-05	3.20209E-06	2.86696E-06	11396.33628	8160.31056	5.489445193	543422.0049
Kern	2026	Agricultural - ATVs	Aggregate	25	Gasoline	0.032226593	0.038994177	0.046406294	0.415453196	0.016305816	1.532613603	0.001331041	0.001224558	1.30011E-05	1.24955E-05	49670.43993	15717.26268	280.6145333	1590685.58
Kern	2026	Agricultural - ATVs	Aggregate	25	Diesel	0.000667226	0.000807344	0.000960806	0.003811943	0.00310401	0.447845348	0.000148316	0.000136451	4.07639E-06	3.66459E-06	14566.96292	42105.70194	39.17777449	624808.4697
Kern	2026	Agricultural - ATVs	Aggregate	25	Electric	0	0	0	0	0	0	0	0	0	0	0	2417.085699	37.85459856	218143.5783
Kern	2026	Agricultural - ATVs	Aggregate	50	Gasoline	0.000591003	0.000715114	0.000851045	0.032455432	0.001531537	1.074245412	8.0811E-05	7.43461E-05	9.77272E-06	8.75841E-06	34815.19554	10833.81996	122.9864428	1114949.449
Kern	2026	Agricultural - ATVs	Aggregate	50	Diesel	0.000860896	0.001041684	0.001239691	0.006517753	0.005405113	0.895344128	0.000235344	0.000216517	8.16381E-06	7.32634E-06	29122.65308	32722.06503	53.38025653	1249133.429
Kern	2026	Agricultural - ATVs	Aggregate	75	Gasoline	0.000270364	0.000327141	0.000389325	0.01457542	0.000745619	0.554909931	4.17436E-05	3.84041E-05	5.04922E-06	4.52422E-06	17984.06357	3837.243884	32.28849422	575935.9252
Kern	2026	Agricultural - Bale Wagons (Self Propelled)	Aggregate	175	Diesel	0.001027483	0.001243255	0.001479576	0.009866043	0.0101088	1.633249106	0.00048631	0.000447405	1.49084E-05	1.33644E-05	53124.31905	30245.4902	15.35154024	2026540.709
Kern	2026	Agricultural - Bale Wagons (Self Propelled)	Aggregate	300	Diesel	0.00011545	0.000139694	0.000166248	0.000644417	0.001190931	0.247542479	5.24702E-05	4.82726E-05	2.26079E-06	2.02557E-06	8051.757429	11464.3596	1.978934595	307151.5
Kern	2026	Agricultural - Balers (Self Propelled)	Aggregate	75	Diesel	0.000126612	0.000153201	0.000182321	0.000963482	0.00116456	0.156302834	5.69912E-05	5.24319E-05	1.42589E-06	1.27898E-06	5084.026433	5083.215464	2.912827172	174451.8898
Kern	2026	Agricultural - Combine Harvesters	Aggregate	175	Diesel	0.000243461	0.000294587	0.000350583	0.002459496	0.002349164	0.419178096	0.000107995	9.93557E-05	3.82688E-06	3.43001E-06	13634.50978	1494.088348	5.074061837	586073.9903
Kern	2026	Agricultural - Combine Harvesters	Aggregate	300	Diesel	0.001959917	0.0023715	0.002822281	0.010921642	0.018410966	4.094268931	0.000869778	0.000800196	3.73911E-05	3.35022E-05	133173.3464	28575.30446	24.66619597	5724403.333
Kern	2026	Agricultural - Combine Harvesters	Aggregate	600	Diesel	0.002741328	0.003317007	0.003947512	0.022948906	0.027037861	6.240647443	0.001154707	0.00106233	5.70004E-05	5.10654E-05	202988.108	37568.39589	21.55124839	8725363.222
Kern	2026	Agricultural - Combine Harvesters	Aggregate	750	Diesel	0.002618024	0.003167809	0.003769955	0.019985454	0.028602969	6.068556261	0.001175991	0.001081912	5.543E-05	4.96572E-05	197390.5376	22776.3893	16.52818325	8484753.823
Kern	2026	Agricultural - Combine Harvesters	Aggregate	9999	Diesel	0.000168822	0.000204275	0.000243104	0.001297071	0.002408987	0.32685354	7.48191E-05	6.88336E-05	2.98464E-06	2.67455E-06	10631.49012	17068.08374	0.617990262	456990.3781
Kern	2026	Agricultural - Construction Equipment	Aggregate	100	Diesel	0.000878287	0.001062728	0.001264734	0.007302884	0.007604401	1.157780367	0.0005609	0.000516028	1.05638E-05	9.47378E-06	37658.85645	30066.46102	25.26127767	1615269.604
Kern	2026	Agricultural - Construction Equipment	Aggregate	175	Diesel	0.002590022	0.003133927	0.003729632	0.029851414	0.028434452	5.19749556	0.001225208	0.001127191	4.74634E-05	4.25296E-05	169057.7459	50105.49003	107.3554307	8061336.26
Kern	2026	Agricultural - Construction Equipment	Aggregate	300	Diesel	0.000799374	0.000967242	0.001151098	0.004113032	0.007987554	1.410171462	0.000379765	0.000349384	1.28747E-05	1.1539E-05	45868.32369	27635.77445	11.02296798	2187181.569
Kern	2026	Agricultural - Construction Equipment	Aggregate	50	Diesel	0.000119195	0.000144226	0.00017164	0.000577938	0.0004531	0.067325674	2.76809E-05	2.54664E-05	6.12246E-07	5.50907E-07	2189.88674	7221.761422	2.195667771	93928.96775
Kern	2026	Agricultural - Construction Equipment	Aggregate	600	Diesel	0.000606024	0.000733289	0.000872675	0.004927948	0.006086385	1.121887217	0.000276224	0.000254126	1.02436E-05	9.18008E-06	36491.36817	24204.70033	5.852472696	1740051.554
Kern	2026	Agricultural - Construction Equipment	Aggregate	75	Diesel	0.000201453	0.000243758	0.000290092	0.001533	0.001852936	0.248694111	9.06789E-05	8.34246E-05	2.26874E-06	2.03499E-06	8089.216298	12873.35351	6.719053055	346963.9395
Kern	2026	Agricultural - Cotton Pickers	Aggregate	600	Diesel	0.000258644	0.00031296	0.000372448	0.001990095	0.002722547	0.594089187	0.00011061	0.000101761	5.42632E-06	4.86126E-06	19323.80272	17734.21765	2.578755456	830625.9895
Kern	2026	Agricultural - Forage & Silage Harvesters	Aggregate	600	Diesel	0.001257874	0.001522028	0.001811339	0.011152694	0.011796665	2.843275837	0.000524044	0.000482121	2.59695E-05	2.32657E-05	92482.58098	3506.414702	7.516706412	3975326.978
Kern	2026	Agricultural - Forage & Silage Harvesters	Aggregate	750	Diesel	0.001809732	0.002189776	0.002606014	0.014747959	0.018931748	3.273614872	0.000883779	0.000813077	2.98892E-05	2.6787E-05	106480.1201	35213.69622	8.187478999	4577005.652
Kern	2026	Agricultural - Forage & Silage Harvesters	Aggregate	9999	Diesel	0.00119142	0.001441618	0.001715645	0.00962135	0.016283845	1.980719503	0.000555478	0.00051104	1.80817E-05	1.62077E-05	64426.40896	20018.1233	3.630948864	2769343.579
Kern	2026	Agricultural - Forklifts	Aggregate	100	Diesel	0.00136118	0.001647028	0.001960099	0.011714082	0.010713932	1.883868183	0.000797311	0.000733526	1.71907E-05	1.54151E-05	61276.14827	56870.4039	36.89284222	2628266.203
Kern	2026	Agricultural - Forklifts	Aggregate	175	Diesel	0.000187883	0.000227339	0.000270552	0.001906581	0.001805346	0.323965968	8.3485E-05	7.68062E-05	2.95765E-06	2.65092E-06	10537.56674	7693.745497	5.115814067	502472.5077
Kern	2026	Agricultural - Forklifts	Aggregate	50	Diesel	0.001010002	0.001222102	0.001454403	0.005147842	0.004168192	0.604619914	0.000251704	0.000231567	5.50011E-06	4.94743E-06	19666.33327	23995.10716	26.17599418	843531.472
Kern	2026	Agricultural - Forklifts	Aggregate	75	Diesel	0.003160366	0.003824043	0.004550928	0.024232181	0.029191926	3.929423482	0.001437742	0.001322722	3.58473E-05	3.21533E-05	127811.4563	64449.62401	100.5783297	5482109.116
Kern	2026	Agricultural - Hay Squeeze/Stack retriever	Aggregate	175	Diesel	0.000397882	0.000481438	0.00057295	0.004214288	0.003667013	0.695960082	0.000179754	0.000165373	6.35395E-06	5.69484E-06	22637.33396	14970.77446	9.825576927	1028035.105
Kern	2026	Agricultural - Hay Squeeze/Stack retriever	Aggregate	300	Diesel	0.000454237	0.000549626	0.000654101	0.002535456	0.004685714	0.97395532	0.000206444	0.000189928	8.89506E-06	7.9696E-06	31679.6213	12855.02534	8.009813667	1438674.842
Kern	2026	Agricultural - Hay Squeeze/Stack retriever	Aggregate	600	Diesel	8.45755E-05	0.000102336	0.000121789	0.00064823	0.000893045	0.196834316	3.60067E-05	3.31261E-05	1.79789E-06	1.61064E-06	6402.384662	5083.215464	0.970942407	290753.1549
Kern	2026	Agricultural - Hay Squeeze/Stack retriever	Aggregate	75	Diesel	5.01081E-05	6.06309E-05	7.21557E-05	0.000381309	0.000460887	0.061858573	2.25549E-05	2.07505E-05	5.64312E-07	5.06171E-07	2012.059604	15549.24684	1.3723613	82191.97844
Kern	2026	Agricultural - Misc - 2-Wheel Tractors	Aggregate	15	Gasoline	0.002084	0.002102	0.002292	0.06544	0.001574	0.0000262	0.00085	0.0006412	0.00000105	1.45E-06	4112	0	52.76220782	0
Kern	2026	Agricultural - Misc - 2-Wheel Tractors	Aggregate	25	Gasoline	0.0001174	0.0001186	0.0001292	0.003712	0.00007774	0.000001402	0.0000454	0.00003422	5.93E-08	8.18E-08	233	0	1.410194926	0
Kern	2026	Agricultural - Misc - 2-Wheel Tractors	Aggregate	5	Gasoline	0.0005794	0.0005848	0.000636	0.01422	0.0002656	5.424E-06	0.000006838	0.000005158	2.378E-07	3.286E-07	908	0	45.34422568	0
Kern	2026	Agricultural - Misc - Hydro Power Units	Aggregate	15	Gasoline	0.00096	0.000972	0.001056	0.0299	0.000726	0.000012	0.0003894	0.0002936	4.802E-07	6.618E-07	1882	0	19.15137906	0
Kern	2026	Agricultural - Misc - Hydro Power Units	Aggregate	15	Diesel	0.00001123	0.00001353	0.00001613	0.0000708	0.0000846	2.043E-06	0.000002978	0.000002242	1.552E-09	1.341E-09	5.33	0	1.730938521	0
Kern	2026	Agricultural - Misc - Hydro Power Units	Aggregate	25	Gasoline	0.000822	0.00083	0.000904	0.02578	0.0005444	0.00000974	0.000315	0.0002382	0.000000411	5.682E-07	1618	0	7.301890166	0
Kern	2026	Agricultural - Misc - Hydro Power Units	Aggregate	25	Diesel	0.00003964	0.00004765	5.7E-05	0.0001625	0.0003015	0.00000695	0.00001013	0.00000766	4.197E-09	3.608E-09	14.4	0	3.10408266	0
Kern	2026	Agricultural - Misc - Hydro Power Units	Aggregate	5	Gasoline	0.0001546	0.0001562	0.00017	0.00371	0.00007096	0.000001418	0.000001788	0.00000135	6.112E-08	8.44E-08	237.8	0	9.59092841	0
Kern	2026	Agricultural - Misc - Mowers	Aggregate	15	Gasoline	0.000844	0.000852	0.000928	0.02452	0.0006382	0.00000982	0.000318	0.0002404	0.000000398	0.00000055	1546	0	47.09997303	0
Kern	2026	Agricultural - Misc - Mowers	Aggregate	25	Gasoline	0.001638	0.001654	0.001802	0.04782	0.001084	0.00001808	0.0005852	0.0004432	7.696E-07	1.064E-06	3018	0	38.52234097	0
Kern	2026	Agricultural - Misc - Other	Aggregate	15	Gasoline	0.00006646	0.00006702	0.000073	0.002054	0.00005014	8.232E-07	0.00002672	0.00002014	0.000000033	4.57E-08	129	0	3.419057106	0
Kern	2026	Agricultural - Misc - Other	Aggregate	15	Diesel	0.00001173	0.00001415	1.686E-05	0.000074	0.0000884	0.00000213	3.103E-06	0.000002351	1.625E-09	1.403E-09	5.58	0	2.589262501	0
Kern	2026	Agricultural - Misc - Other	Aggregate	25	Gasoline	0.00004416	4.466E-05	0.00004858	0.00138	0.00002932	5.218E-07	0.00001688	1.276E-05	2.206E-08	3.04E-08	86.72	0	0.865682592	0
Kern	2026	Agricultural - Misc - Other	Aggregate	25	Diesel	4.371E-05	0.00005257	0.0000629	0.0001797	0.0003324	0.00000767	0.00001118	0.00000844	4.628E-09	3.988E-09	15.87	0	5.080410274	0
Kern	2026	Agricultural - Misc - Other	Aggregate	5	Gasoline	0.0000465	0.00004702	5.118E-05	0.001202	0.00002138	4.596E-07	5.792E-07	4.366E-07	2.014E-08	2.78E-08	76.62	0	4.774706388	0
Kern	2026	Agricultural - Misc - Sprayers	Aggregate	15	Gasoline	0.000505	0.0005102	0.0005554	0.01422	0.0003534	0.000005606	0.0001818	0.0001374	2.344E-07	3.242E-07	898	0	54.16856514	0
Kern	2026	Agricultural - Misc - Sprayers	Aggregate	25	Gasoline	0.003294	0.003322	0.003616	0.094	0.002052	0.00003532	0.001142	0.000864	1.522E-06	0.000002102	5950	0	140.1572889	0
Kern	2026	Agricultural - Misc - Sprayers	Aggregate	25	Diesel	0.00001833	2.203E-05	0.00002633	7.44E-05	0.0001379	0.000003163	0.0000049	0.000003705	1.921E-09	1.661E-09	6.59	0	10.01781769	0
Kern	2026	Agricultural - Misc - Sprayers	Aggregate	5	Gasoline	0.00113	0.001142	0.001244	0.0276	0.0005182	0.00001052	1.324E-05	0.00001002	4.656E-07	6.436E-07	1762	0	177.7211909	0
Kern	2026	Agricultural - Misc - Tillers	Aggregate	15	Gasoline	0.02754	0.0278	0.03044	1.31638576	0.01686	0.0005126	0.0000836	0.00006304	0.00002102	0.0000291	80600	0	6080.550813	0
Kern	2026	Agricultural - Misc - Tillers	Aggregate	15	Diesel	0.000000538	0.000000648	0.000000774	3.816E-06	0.000004555	1.099E-07	1.601E-07	0.000000121	8.09E-11	6.97E-11	0.2771	0	0.25364934	0
Kern	2026	Agricultural - Nut Harvester	Aggregate	100	Diesel	0.003410883	0.004127168	0.004911671	0.027001365	0.02746127	4.243334778	0.002089455	0.001922299	3.87111E-05	3.4722E-05	138021.977	77330.202	71.47836313	5336629.916
Kern	2026	Agricultural - Nut Harvester	Aggregate	175	Diesel	0.002657339	0.00321538	0.003826568	0.025746148	0.026080743	4.283636104	0.001245512	0.001145871	3.91023E-05	3.50518E-05	139332.849	62758.86755	57.18941471	5989167.138
Kern	2026	Agricultural - Nut Harvester	Aggregate	25	Diesel	8.01953E-05	9.70363E-05	0.00011548	0.000388842	0.000328712	0.045297345	1.65238E-05	1.52019E-05	4.11925E-07	3.70655E-07	1473.376335	299.6001358	3.631852238	56968.20439
Kern	2026	Agricultural - Nut Harvester	Aggregate	300	Diesel	0.000940527	0.001138038	0.001354359	0.004715947	0.009088737	1.514741454	0.00045169	0.000415554	1.3827E-05	1.23947E-05	49269.64783	8777.454041	9.803687939	2117836.249
Kern	2026	Agricultural - Nut Harvester	Aggregate	50	Diesel	0.00141863	0.001716543	0.002042828	0.006755822	0.005215373	0.734912673	0.000350889	0.000322818	6.67963E-06	6.01358E-06	23904.33594	24616.95325	27.50548221	924262.9104
Kern	2026	Agricultural - Nut Harvester	Aggregate	75	Diesel	0.000486132	0.00058822	0.0007003	0.003769548	0.004505811	0.608994774	0.000220913	0.00020324	5.55584E-06	4.98323E-06	19808.63332	21167.08114	12.27312753	765902.262
Kern	2026	Agricultural - Other Harvesters	Aggregate	100	Diesel	0.00235025	0.002843803	0.00338436	0.018915595	0.018501352	3.012087439	0.001388066	0.001277021	2.74808E-05	2.4647E-05	97973.47724	51020.11066	48.09189986	3788151.714
Kern	2026	Agricultural - Other Harvesters	Aggregate	175	Diesel	0.00238001	0.002879812	0.003427214	0.023133411	0.023347922	3.855361372	0.001112163	0.00102319	3.51933E-05	3.15473E-05	125402.455	65755.4434	50.34780213

Kern	2026	Airport Ground Support - Forklift	Aggregate	750	Diesel	2.77171E-08	3.35376E-08	3.99126E-08	1.99475E-07	4.13973E-07	0.000242921	1.93723E-08	1.78225E-08	2.30116E-09	0	7.696686277	0.817996288	0.002039	151.388594
Kern	2026	Airport Ground Support - Fuel Truck	Aggregate	300	Diesel	1.3664E-07	1.65335E-07	1.96762E-07	5.47522E-07	1.90691E-06	0.000584581	7.15697E-08	6.58442E-08	5.53766E-09	0	18.52183237	5.484317418	0.006117	364.3576012
Kern	2026	Airport Ground Support - Fuel Truck	Aggregate	600	Diesel	5.16692E-08	6.25197E-08	7.44036E-08	3.06523E-07	5.81754E-07	0.000190246	1.6203E-08	1.49067E-08	1.80218E-09	0	6.027752813	1.377052766	0.002039	117.6251804
Kern	2026	Airport Ground Support - Generator	Aggregate	100	Diesel	5.66446E-09	6.854E-09	8.15683E-09	9.83345E-08	8.3909E-08	1.77927E-05	3.49052E-09	3.21128E-09	1.68548E-10	0	0.563742613	0.443896405	0.002039	9.881463967
Kern	2026	Airport Ground Support - Generator	Aggregate	175	Diesel	3.53157E-08	4.2732E-08	5.08546E-08	3.85201E-07	4.65817E-07	0.000127297	2.39032E-08	2.19909E-08	1.20587E-09	0	4.033273458	1.77945673	0.002039	79.22405931
Kern	2026	Airport Ground Support - Lift	Aggregate	100	Diesel	5.22292E-07	6.31973E-07	7.521E-07	3.65715E-06	6.71848E-06	0.003118157	3.73709E-07	3.43813E-07	2.95379E-08	0	98.79545389	70.33319931	0.135154057	1757.494525
Kern	2026	Airport Ground Support - Lift	Aggregate	175	Diesel	5.95386E-07	7.20416E-07	8.57355E-07	4.48936E-06	8.21279E-06	0.00355882	3.26087E-07	3E-07	3.37122E-08	0	112.7574024	65.97956122	0.081619502	2228.263575
Kern	2026	Airport Ground Support - Lift	Aggregate	300	Diesel	1.56706E-07	1.89614E-07	2.25656E-07	6.71836E-07	2.43333E-06	0.00091649	7.83213E-08	7.20556E-08	8.68179E-09	0	29.03799239	9.13711149	0.012234	572.3478702
Kern	2026	Airport Ground Support - Lift	Aggregate	50	Diesel	6.13795E-07	7.42691E-07	8.83864E-07	3.00916E-06	1.68952E-05	0.002090906	2.83671E-07	2.60978E-07	1.98069E-08	0	66.24810212	84.89933707	0.187713847	1178.526599
Kern	2026	Airport Ground Support - Lift	Aggregate	75	Diesel	6.54285E-07	7.91684E-07	9.4217E-07	4.59046E-06	2.02183E-05	0.002823513	3.50332E-07	3.22305E-07	2.67468E-08	0	89.45999445	83.59608956	0.15099056	1589.308868
Kern	2026	Airport Ground Support - Misc - A/C Tug Narrow Body	Aggregate	175	Gasoline	2.01015E-05	1.84893E-05	2.21204E-05	0.001327683	0.000132281	0.034286325	2.45796E-06	1.85713E-06	3.40599E-07	4.76948E-07	1361.45	138.7	0.17	18031
Kern	2026	Airport Ground Support - Misc - A/C Tug Wide Body	Aggregate	600	Gasoline	9.7884E-06	9.00337E-06	1.07715E-05	0.001033699	9.4616E-05	0.029900123	2.20575E-06	1.66656E-06	3.05649E-07	4.15571E-07	1186.25	25.55	0.06	12775
Kern	2026	Airport Ground Support - Misc - Air Conditioner	Aggregate	175	Gasoline	7.87143E-09	7.24014E-09	8.66203E-09	9.5189E-07	9.69912E-08	3.07141E-05	2.20187E-09	1.66364E-09	3.05113E-10	0	0	0	0	0
Kern	2026	Airport Ground Support - Misc - Air Conditioner	Aggregate	175	Nat Gas	0	0	3.7716E-09	4.07095E-06	4.26225E-07	0.000165057	0	0	0	0	0	0	0	0
Kern	2026	Airport Ground Support - Misc - Air Start Unit	Aggregate	175	Gasoline	8.17666E-07	7.52089E-07	8.99791E-07	9.17106E-05	9.32937E-06	0.002905332	2.08281E-07	1.57368E-07	2.88614E-08	3.32457E-08	94.9	0	0.1	0
Kern	2026	Airport Ground Support - Misc - Baggage Tug	Aggregate	100	Gasoline	0.000165872	0.000152569	0.000182532	0.012328437	0.000998555	0.302696331	2.11047E-05	1.59458E-05	2.92447E-06	4.27591E-06	12205.6	2350.6	2.66	235060
Kern	2026	Airport Ground Support - Misc - Baggage Tug	Aggregate	100	Nat Gas	0	0	5.10952E-06	0.002186225	0.000233344	0.049720928	0	0	0	0	2770.35	427.05	0.55	42705
Kern	2026	Airport Ground Support - Misc - Belt Loader	Aggregate	100	Gasoline	4.02643E-05	3.70351E-05	4.43084E-05	0.00303587	0.000240521	0.072173304	5.0321E-06	3.80203E-06	6.97295E-07	1.02167E-06	2916.35	1025.65	1.24	61539
Kern	2026	Airport Ground Support - Misc - Belt Loader	Aggregate	100	Nat Gas	0	0	3.67056E-07	0.000187032	1.90674E-05	0.00479283	0	0	0	0	240.9	65.7	0.09	3942
Kern	2026	Airport Ground Support - Misc - Bobtail	Aggregate	100	Gasoline	2.66458E-05	2.45088E-05	2.93221E-05	0.001980454	0.000160409	0.048625559	3.39029E-06	2.56155E-06	4.69791E-07	6.86652E-07	1960.05	372.3	0.43	37230
Kern	2026	Airport Ground Support - Misc - Bobtail	Aggregate	100	Nat Gas	0	0	6.37586E-08	4.32002E-05	3.92796E-06	0.001198791	0	0	0	0	69.35	0	0	0
Kern	2026	Airport Ground Support - Misc - Cargo Loader	Aggregate	100	Gasoline	1.1064E-05	1.01767E-05	1.21753E-05	0.000832442	6.61879E-05	0.019903189	1.3877E-06	1.04848E-06	1.92293E-07	2.8131E-07	803	237.25	0.32	16607.5
Kern	2026	Airport Ground Support - Misc - Cargo Loader	Aggregate	100	Nat Gas	0	0	5.14562E-07	0.00020095	2.20219E-05	0.00422452	0	0	0	0	229.95	47.45	0	3321.5
Kern	2026	Airport Ground Support - Misc - Cargo Tractor	Aggregate	100	Gasoline	0.000297766	0.000273885	0.000327673	0.028601627	0.001497952	0.338163042	2.35775E-05	1.78141E-05	2.79191E-06	5.09427E-06	14541.6	2828.75	2.07	268731.25
Kern	2026	Airport Ground Support - Misc - Cargo Tractor	Aggregate	175	Nat Gas	0	0	1.77004E-07	0.000158021	1.63006E-05	0.006033298	0	0	0	0	317.55	7.3	0.18	1135.88
Kern	2026	Airport Ground Support - Misc - Cart	Aggregate	15	Gasoline	6.51021E-07	6.57532E-07	7.1641E-07	3.34996E-05	4.05447E-07	1.30731E-08	1.31606E-09	9.94358E-10	5.22855E-10	7.21734E-10	2.048	0	0.114454996	0
Kern	2026	Airport Ground Support - Misc - Catering Truck	Aggregate	300	Gasoline	4.06265E-05	3.73683E-05	4.4707E-05	0.002356983	0.000232823	0.054475051	4.01865E-06	3.03631E-06	4.75864E-07	7.71045E-07	2200.95	226.3	0.18	46142.57
Kern	2026	Airport Ground Support - Misc - Catering Truck	Aggregate	300	Nat Gas	0	0	1.82358E-07	0.000123386	1.23758E-05	0.004171833	0	0	0	0	222.65	0	0	0
Kern	2026	Airport Ground Support - Misc - Deicer	Aggregate	100	Gasoline	2.98516E-07	2.74575E-07	3.28498E-07	1.13734E-05	2.12389E-06	0.000745061	5.19474E-08	3.92492E-08	7.19833E-09	1.27868E-09	3.65	0	0.13	0
Kern	2026	Airport Ground Support - Misc - Forklift	Aggregate	50	Gasoline	1.16158E-05	1.06842E-05	1.27824E-05	0.001083776	2.63815E-05	0.008236924	5.67846E-07	4.29039E-07	1.00146E-07	1.31704E-07	375.95	229.95	0.29	11497.5
Kern	2026	Airport Ground Support - Misc - Forklift	Aggregate	50	Nat Gas	0	0	7.69734E-07	0.000205937	5.56709E-05	0.016601134	1.4764E-06	0	0	0	872.35	543.85	0.74	27192.5
Kern	2026	Airport Ground Support - Misc - Fuel Truck	Aggregate	175	Gasoline	8.22483E-08	7.5652E-08	9.05092E-08	9.95884E-06	1.01565E-06	0.000321356	2.30378E-08	1.74063E-08	3.19233E-09	0	0	0	0.16	0
Kern	2026	Airport Ground Support - Misc - Fuel Truck	Aggregate	175	Nat Gas	0	0	4.96571E-08	3.11611E-05	3.09679E-06	0.00100961	0	0	0	0	40.15	0	0	0
Kern	2026	Airport Ground Support - Misc - Generator	Aggregate	100	Gasoline	2.97686E-06	2.73812E-06	3.27586E-06	0.00022238	1.30535E-05	0.002841445	1.98112E-07	1.49685E-07	2.34593E-08	3.45244E-08	98.55	0	0	0
Kern	2026	Airport Ground Support - Misc - Ground Power Unit	Aggregate	175	Gasoline	1.71294E-05	1.57556E-05	1.88498E-05	0.001748185	0.000159307	0.051269228	3.67546E-06	2.77701E-06	5.09306E-07	7.14783E-07	2040.35	189.8	0.24	28470
Kern	2026	Airport Ground Support - Misc - Hydrant Truck	Aggregate	175	Gasoline	5.51832E-05	5.07575E-05	6.07257E-05	0.002727146	0.000265399	0.056683418	4.0636E-06	3.07027E-06	4.81186E-07	8.09405E-07	2310.45	273.75	0.16	33260.625
Kern	2026	Airport Ground Support - Misc - Lav Cart	Aggregate	15	Gasoline	5.60644E-08	5.66251E-08	6.16954E-08	2.88782E-06	3.49163E-08	1.12696E-09	1.13451E-10	8.57184E-11	4.50698E-11	6.22131E-11	0.1766	0	0.00986745	0
Kern	2026	Airport Ground Support - Misc - Lav Truck	Aggregate	175	Gasoline	1.44268E-05	1.32697E-05	1.58758E-05	0.001082672	9.53185E-05	0.02757519	1.97685E-06	1.49362E-06	2.73931E-07	3.89998E-07	1113.25	368.65	0.3	47924.5
Kern	2026	Airport Ground Support - Misc - Lav Truck	Aggregate	175	Nat Gas	0	0	2.33515E-08	1.66057E-05	1.67508E-06	0.000576002	0	0	0	0	3.65	0	0	0
Kern	2026	Airport Ground Support - Misc - Lift	Aggregate	100	Gasoline	1.6263E-05	1.49587E-05	1.78965E-05	0.000997501	8.74964E-05	0.024666034	1.71978E-06	1.29939E-06	2.38308E-07	3.47801E-07	992.8	208.05	0.55	20805
Kern	2026	Airport Ground Support - Misc - Lift	Aggregate	100	Nat Gas	0	0	4.14704E-08	2.57616E-05	2.51021E-06	0.000730093	0	0	0	0	14.6	0	0	0
Kern	2026	Airport Ground Support - Misc - Maint. Truck	Aggregate	175	Gasoline	1.00446E-05	9.23903E-06	1.10535E-05	0.000912841	8.46354E-05	0.026164394	1.87571E-06	1.4172E-06	2.59916E-07	3.6826E-07	1051.2	178.85	0.38	23250.5
Kern	2026	Airport Ground Support - Misc - Other	Aggregate	50	Gasoline	8.15177E-06	7.498E-06	8.97053E-06	0.000625167	1.77672E-05	0.006301133	4.34394E-07	3.28209E-07	7.66103E-08	9.07864E-08	259.15	80.3	0.58	4015
Kern	2026	Airport Ground Support - Misc - Other	Aggregate	50	Nat Gas	0	0	6.85148E-07	9.57979E-05	2.76206E-05	0.005697633	0	0	0	0	292	91.25	0.04	4562.5
Kern	2026	Airport Ground Support - Misc - Passenger Stand	Aggregate	175	Gasoline	2.81734E-06	2.59139E-06	3.10031E-06	0.000276993	2.80839E-05	0.008451907	6.05912E-07	4.578E-07	7.48015E-08	1.17639E-07	335.8	32.85	0.19	4109.535
Kern	2026	Airport Ground Support - Misc - Passenger Stand	Aggregate	175	Nat Gas	0	0	5.1655E-10	5.67013E-07	5.94356E-08	2.30967E-05	0	0	0	0	0	0	0	0
Kern	2026	Airport Ground Support - Misc - Service Truck	Aggregate	300	Gasoline	5.00504E-05	4.60364E-05	5.50774E-05	0.00312839	0.000310463	0.075912491	5.6001E-06	4.23119E-06	7.76003E-07	1.07409E-06	3066	949	1.09	170820
Kern	2026	Airport Ground Support - Misc - Service Truck	Aggregate	300	Nat Gas	0	0	6.33804E-07	0.00037219	3.17733E-05	0.010598955	0	0	0	0	569.4	142.35	0.09	25623
Kern	2026	Airport Ground Support - Misc - Sweeper	Aggregate	100	Gasoline	3.86125E-07	3.55157E-07	4.24907E-07	2.3456E-05	2.09424E-06	0.000595092	4.14913E-08	3.13489E-08	4.91314E-09	0	0	0	0	0
Kern	2026	Airport Ground Support - Misc - Sweeper	Aggregate	50	Nat Gas	0	0	5.373E-09	1.5101E-06	4.25154E-07	0.000126142	0	0	0	0	0	0	0	0
Kern	2026	Airport Ground Support - Misc - Water Truck	Aggregate	175	Gasoline	8.24254E-07	7.58149E-07	9.07041E-07	7.19445E-05	7.26619E-06	0.002110297	1.51286E-07	1.14305E-07	2.09636E-08	2.30163E-08	65.7	3.65	0.02	547.5
Kern	2026	Airport Ground Support - Other	Aggregate	100	Diesel	3.58136E-07	4.33345E-07	5.15716E-07	3.52744E-06	4.8778E-06	0.001221634	2.68995E-07	2.47476E-07	1.15724E-08	0	38.70615915	26.29864097	0.046897	684.4887581
Kern	2026	Airport Ground Support - Other	Aggregate	175	Diesel	8.62188E-07	1.04325E-06	1.24155E-06	7.81103E-06	1.19571E-05	0.004960884	4.39886E-07	4.04695E-07	4.69938E-08	0	157.1802865	80.98012045	0.099995588	3102.991337
Kern	2026	Airport Ground Support - Other	Aggregate	300	Diesel	1.65953E-06	2.00803E-06	2.38972E-06	7.37322E-06	2.29113E-05	0.009102521	9.45454E-07	8.69818E-07	8.6227E-08	0	288.4036261	86.95149801	0.120420253	5693.433926
Kern	2026	Airport Ground Support - Other	Aggregate	50	Diesel	1.39948E-06	1.69337E-06	2.01525E-06	9.50368E-06	2.05305E-05	0.002118052	5.87156E-07	5.40183E-07	2.0064E-08	0	67.10819899	119.6799391	0.236533826	1187.323867
Kern	2026	Airport Ground Support - Other	Aggregate	600	Diesel	1.01964E-06	1.23376E-06	1.46828E-06	3.85295E-06	1.36419E-05	0.007676677	4.74468E-07	4.36511E-07	7.27202E-08	0	243.2272793	48.8359655	0.06117	4804.243881
Kern	2026	Airport Ground Support - Other	Aggregate	75	Diesel	1.06961E-06	1.29423E-06	1.54024E-06	7.07777E-06	2.40815E-05	0.003204352	6.38419E-07	5.87346E-07	3.03544E-08	0	101.5264654	97.1262214	0.18363243	1800.602656
Kern	2026	Airport Ground Support - Other	Aggregate	750	Diesel	1.32904E-07	1.60814E-07	1.91381E-07	5.49852E-07	1.77013E-06	0.000787384	6.48652E-08	5.96759E-08	7.45878E-09	0	24.94740279	2.74109142	0.004078	491.6913136
Kern	2026	Airport Ground Support - Other	Aggregate	9999	Diesel	6.0687E-07	7.34312E-07	8.73893E-07	1.61183E-06	2.33539E-05	0.005284275	4.58861E-07	4.22152E-07	5.00572E-08	0	167.4265977	4.264674389	0.006117	3318.997627
Kern	2026	Airport Ground Support - Passenger Stand	Aggregate	175	Diesel	2.9838E-08	3.6104E-08	4.29667E-08	1.49866E-07	3.86089E-07	0.000156839	1.89939E-08	1.74744E-08	1.48571E-09	0	4.969259875	2.894593149	0.004078	98.37198087
Kern	2026	Airport Ground Support - Passenger Stand	Aggregate	300	Diesel	1.64562E-08	1.99121E-08	2.3697E-08	5.12902E-08	2.57188E-07	0.000223102	7.00011E-09	6.4401E-09	2.11342E-09	0	7.068745816	1.789631829	0.002048293	140.127978
Kern	2026	Airport Ground Support - Passenger Stand	Aggregate	50	Diesel	1.68108E-07	2.03411E-07	2.42076E-07	1.00306E-06	2.99627E-06	0.000339449	6.27989E-08	5.7775E-08	3.21555E-09	0	10.75507064	16.57411936	0.030633566	190.87262
Kern	2026	Airport Ground Support - Passenger Stand	Aggregate	75	Diesel	2.59555E-07	3.14062E-07	3.7376E-07	1.37841E-06	6.15141E-06	0.000815922	1.0827E-07	9.96084E-08	7.72912E-09	0	25.85160885	28.65480166	0.04086395	459.3038967
Kern	2026	Construction and Mining - Bore/Drill Rigs	Aggregate	100	Diesel	6.41324E-05	7.76002E-05	9.23506E-05	0.000536435	0.000769928	0.180767168	5.03043E-05	4.62799E-05	1.71238E-06	0	5727.413747	3887.763754	4.505112349	101329.7788
Kern	2026	Construction and Mining - Bore/Drill Rigs	Aggregate	175	Diesel	0.000300357	0.000363432	0.000432515	0.002419523	0.003878046	1.298130911	0.000174655	0.000160682	1.2297E-05	0	41129.88502	19533.69586	17.85264456	811449.3932
Kern	2026	Construction and Mining - Bore/Drill Rigs	Aggregate	300	Diesel	0.000383945	0.000464573	0.00055288	0.001722638	0.005029822	1.555422809	0.000211173	0.000194279	1.47343E-05	0	38920.53506	7853.316827	12.93810933	768774.2097
Kern	2026	Construction and Mining - Bore/Drill Rigs	Aggregate	50	Diesel	4.91949E-05	5.95258E-05	7.08406E-05	0.000232392	0.000543111	0.061089525	2.00592E-05	1.84544E-05	5.78693E-07	0	1935.55605	2911.206116	3.657062404	34319.98696
Kern	2026	Construction and Mining - Bore/Drill Rigs	Aggregate	600	Diesel	0.000491696	0.000594952	0.000708042	0.003116904	0.005955834	2.246694621	0.000275935	0.00025386	2.12826E-05	0	71184.10835	12141.97049	12.00194039	1404048.057
Kern	2026	Construction and Mining - Bore/Drill Rigs	Aggregate	75	Diesel	7.38248E-05	8.9328E-05	0.000106308	0.000447981	0.001727957	0.234007237	3.93989E-05	3.6247E-05	2.21672E-06	0	7414.268199	6970.498726	8.518934986	131662.8844
Kern	2026	Construction and Mining - Bore/Drill Rigs	Aggregate	750	Diesel	0.000181426	0.000219525	0.000261253	0.000753537	0.002268541	0.923749349	9.10927E-05	8.38053E-05	8.75056E-06	0	29268.00693	3098.850897	3.122924461	576548.8985
Kern	2026	Construction and Mining - Bore/Drill Rigs	Aggregate	9999	Diesel	7.06018E-05	8.54282E-05	0.000101667	0.000279418	0.001334447	0.302473677	3.12952E-05	2.87915E-05	2.86529E-06	0	9583.553896	776.8212893	0.758171474	188620.7011
Kern	2026	Construction and Mining - Bucket	Aggregate	100	Diesel	4.86411E-06	5.88557E-06	7.00432E-06	3.16479E-05	5.44489E-05	0.013978688	3.73262E-06	3.43401E-06	1.32418E-07	0	442.8997427	322.2145125	0.490581542	7852.035856
Kern	2026	Construction and Mining - Bucket	Aggregate	175	Diesel	4.27643E-06	5.17448E-06	6.15806E-06	3.81369E-05	5.66355E-05	0.022473737	2.20586E-06	2.02939E-06	2.12891E-07	0	712.0562398	368.6740759	0.490581542	14053.74689
Kern	2026	Construction and Mining - Bucket	Aggregate	300	Diesel	8.55029E-06	1.03458E-05	1.23124E-05	3.26193E-05	0.000112318	0.058360065	4.4112E-06	4.05831E-06	5.52837E-07	0	1849.076034	522.0524451	0.579778186	36554.81105
Kern	2026	Construction and Mining - Bucket	Aggregate	50	Diesel	2.7469E-06	3.32375E-06	3.95554E-06	1.57418E-05	4.23351E-05	0.004798247	1.18998E-06	1.09478E-06	4.54532E-08	0	152.0273086	223.2512917	0.401384898	2696.047411
Kern	2026	Construction and Mining - Bucket	Aggregate	75	Diesel	3.20739E-06	3.88094E-06	4.61864E-06	1.75511E-05	9.68205E-05	0.013555828	1.47906E-06	1.36073E-06	1.28413E-07	0	429.5018523	378.1639801	0.579778186	7641.405937
Kern	2026	Construction and Mining - Bucket	Aggregate	750	Diesel	4.71671E-06	5.70722E-06	6.79206E-06	1.60275E-05	4.45845E-05	0.046339352	3.45331E-06	3.17704E-06	4.38967E-07	0	1468.212641	136.780674	0.178393288	29053.07017
Kern	2026	Construction and Mining - Compactor	Aggregate	100	Diesel	9.54006E-07	1.15435E-06	1.37377E-06	1.15039E-05	1.65969E-05	0.006560896	1.25144E-06	1.15133E-06	6.21505E-08	0	207.8749444	146.6457416	0.267589932	3690.055209
Kern	2026	Construction and Mining - Compactor	Aggregate	175	Diesel	1.55301E-05	1.87915E-05	2.23634E-05	0.000145028	0.000225108	0.113219762	7.78748E-06	7.16448E-06	1.07252E-06	0	3587.246668	1750.701096	2.140719456	70889.69557
Kern	2026	Construction and Mining - Compactor	Aggregate	300	Diesel	4.23749E-06	5.12736E-06	6.10198E-06	1.86778E-05	5.65261E-05	0.028938827	1.9218E-06	1.76806E-06	2.74134E-07	0	916.8956937	269.4154096	0.356786576	18093.35902
Kern	2026	Construction and Mining - Compactor	Aggregate	50	Diesel	3.42289E-06	4.1417E-06	4.92896E-06	1.5704E-05	6.26073E-05	0.006977942	8.02694E-07	7.38479E-07	6.61011E-08	0	221.0886101	394.5992977	0.758171474	3930.528064
Kern	2026	Construction and Mining - Compactor	Aggregate	600	Diesel	9.51664E-06	1.15151E-05	1.3704E-05	4.17073E-05	0.000110787	0.074877873	3.6159E-06	3.32663E-06	7.09308E-07	0	2372.425068	373.2983003	0.490796468	46844.90411
Kern	2026	Construction and Mining - Compactor	Aggregate	75	Diesel	1.60461E-06	1.94157E-06	2.31063E-06	8.09045E-06	5.21424E-05	0.007488935	5.91682E-07	5.44347E-07	7.09417E-08	0	237.2788609	211.1667694	0.401384898	4224.082285
Kern	2026	Construction and Mining - Compactor	Aggregate	9999	Diesel	2.12402E-06	2.57007E-06	3.05859E-06	9.95718E-06	9.57735E-05	0.021521935	9.25826E-07	8.5176E-07	2.03874E-07	0	681.8994311	30.1549957	0.044598322	13517.70044
Kern	2026	Construction and Mining - Concrete Mixer	Aggregate	175	Diesel	7.27889E-07	8.80746E-07	1.04816E-06	5.91101E-06	1.05883E-05	0.006411523	4.10129E-07	3.77319E-07	6.07355E-08	0	203.1422294	102.9409926	0.133794966	4019.843163
Kern	2026	Construction and Mining - Concrete Mixer	Aggregate	300	Diesel	6.20813E-07	7.51183E-07	8.9397E-07	1.38516E-06	7.09896E-06	0.007649316	3.59978E-07	3.3118E-07	7.2461E-08	0	242.3603753	73.04721461	0.089196644	4804.454739
Kern	2026	Construction and Mining - Concrete Mixer	Aggregate	50	Diesel	1.01474E-06	1.22784E-06	1.46123E-06	2.14263E-06	2.99075E-05	0.003182487	1.49752E-07	1.37772E-07	3.01473E-08	0	100.8336867	221.8977969	0.44598322	1798.01801
Kern	2026	Construction and Mining - Concrete Mixer	Aggregate	600	Diesel	9.51738E-07	1.1516E-06	1.3705E-06	3.76628E-06	1.20337E-05	0.005889776	4.35356E-07	4.00528E-07	5.57931E-08	0	186.6112394	38.59362475	0.044598322	3681.195166
Kern	2026	Construction and Mining - Concrete Mixer	Aggregate	75	Diesel	3.09835E-07	3.749E-07	4.46162E-07	7.57996E-07	6.38947E-06	0.000884932	8.87148E-08	8.16176E-08	8.38284E-09	0	28.03811931	28.55004906	0.044598322	499.9623154
Kern	2026	Construction and Mining - Concrete Pump	Aggregate	100	Diesel	1.26096E-06	1.52576E-06	1.81578E-06	8.96511E-06	1.57185E-05	0.005654553	1.24403E-06	1.1445E-06	5.35648E-08	0	179.1584477	116.2423263	0.178596547	3183.17833
Kern	2026	Construction and Mining - Concrete Pump	Aggregate	175	Diesel	1.26266E-05	1.52781E-05	1.81822E-05	0.000118774	0.000167785	0.098341503	5.53764E-06	5.09463E-06	9.31576E-07	0	3115.845014	1383.498461	1.427146304	61589.44825
Kern	2026	Construction and Mining - Concrete Pump	Aggregate	300	Diesel	3.73174E-06	4.51541E-06	5.37371E-06	1.33382E-05	4.97925E-05	0.039351164	1.90718E-06	1.75461E-06	3.72768E-07	0	1246.799394	419.2107567	0.535179864	24708.65193
Kern	2026	Construction and Mining - Concrete Pump	Aggregate	50	Diesel	3.06603E-07	3.7099E-07	4.41509E-07	1.73067E-06	4.5432E-06	0.00054169	9.74826E-08	8.9684E-08	5.13136E-09	0	17.16287041	20.93979328	0.044598322	304.5417719
Kern	2026	Construction and Mining - Concrete Pump	Aggregate	600	Diesel	1.92749E-05	2.33226E-05	2.77558E-05	7.90626E-05	0.000259125	0.093355646	9.46409E-06	8.70696E-06	8.84346E-07	0	2957.873458	529.0682955	0.802769796	58222.34609
Kern	2026	Construction and Mining - Concrete Pump	Aggregate	75	Diesel	2.00883E-06	2.43069E-06	2.89272E-06	1.19254E-05	4.6718E-05	0.006498644	1.11737E-06	1.02798E-06	6.15608E-08	0	205.9025709	186.8738259	0.312188254	3657.40486
Kern	2026	Construction and Mining - Crane less than 35ton	Aggregate	100	Diesel	1.78148E-06	2.15559E-06	2.56532E-06	2.05838E-05	3.25999E-05	0.0091799	1.67409E-06	1.54016E-06	8.696E-08	0	290.8552756	191.4806963	0.936564762	5150.569227
Kern	2026	Construction and Mining - Crane less than 35ton	Aggregate	175	Diesel	1.29185E-05	1.56314E-05	1.86026E-05	0.000116201	0.000206159	0.05810892	9.27147E-06	8.52975E-06	5.50458E-07	0	1841.118787	910.5708613	3.347547598	36303.85213
Kern	2026	Construction and Mining - Crane less than 35ton	Aggregate	300	Diesel	2.71166E-06	3.2811E-06	3.90478E-06	1.53536E-05	5.68558E-05	0.017350618	1.54258E-06	1.41917E-06	1.6436E-07	0	549.7357199	163.4639515	0.579778186	10812.43797
Kern	2026	Construction and Mining - Crane less than 35ton	Aggregate	50	Diesel	7.84474E-07	9.49214E-07	1.12964E-06	2.8062E-06	4.15569E-05	0.004952128	5.34927E-07	4.92133E-07	4.69109E-08	0	156.9028746	249.6836493	1.516342948	2795.842922
Kern	2026	Construction and Mining - Crane less than 35ton	Aggregate	600	Diesel	2.54982E-06	3.08528E-06	3.67174E-06	2.96215E-05	4.20715E-05	0.013391334	1.63441E-06	1.50366E-06	1.26854E-07	0	424.2900343	79.13282288	0.312188254	8343.819991
Kern	2026	Construction and Mining - Crane less than 35ton	Aggregate	75	Diesel	1.27886E-06	1.54742E-06	1.84

Kern	2026 Construction and Mining - Misc - Rough Terrain Forklifts	Aggregate	100	Gasoline	0.00032717	0.000300931	0.000360031	0.015386488	0.000860088	0.330822469	2.30657E-05	1.74274E-05	3.19621E-06	4.72089E-06	13475.8	2657.2	6.4	225862
Kern	2026 Construction and Mining - Misc - Rough Terrain Forklifts	Aggregate	175	Gasoline	1.43773E-05	1.32243E-05	1.58214E-05	0.000677007	5.43875E-05	0.018926215	1.35681E-06	1.02514E-06	1.88012E-07	2.42949E-07	693.5	80.3	0.16	11402.6
Kern	2026 Construction and Mining - Misc - Rough Terrain Forklifts	Aggregate	50	Gasoline	2.69282E-05	2.47686E-05	2.96329E-05	0.002078914	3.8165E-05	0.013028435	8.98169E-07	6.78616E-07	1.58402E-07	2.07146E-07	591.3	109.5	0.3	5146.5
Kern	2026 Construction and Mining - Misc - Rubber Tired Loaders	Aggregate	100	Gasoline	0.000173536	0.000159619	0.000190966	0.009162545	0.000444073	0.174048958	1.21351E-05	9.16875E-06	1.68156E-06	2.50238E-06	7143.05	1905.3	3.75	137181.6
Kern	2026 Construction and Mining - Misc - Rubber Tired Loaders	Aggregate	15	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.03616	0
Kern	2026 Construction and Mining - Misc - Rubber Tired Loaders	Aggregate	2	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.03616	0
Kern	2026 Construction and Mining - Misc - Rubber Tired Loaders	Aggregate	25	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.03616	0
Kern	2026 Construction and Mining - Misc - Rubber Tired Loaders	Aggregate	25	Diesel	0.00000803	9.65E-06	0.00001154	0.00003299	0.000061	1.405E-07	0.000002056	0.000001551	8.37E-10	7.21E-10	2.869	0	0.36119485	0
Kern	2026 Construction and Mining - Misc - Rubber Tired Loaders	Aggregate	5	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.03616	0
Kern	2026 Construction and Mining - Misc - Rubber Tired Loaders	Aggregate	50	Gasoline	3.16185E-05	2.90827E-05	3.47942E-05	0.002676228	4.29068E-05	0.01472779	1.01532E-06	7.67131E-07	1.79063E-07	2.55736E-07	730	277.4	0.54	11096
Kern	2026 Construction and Mining - Misc - Signal Boards	Aggregate	15	Gasoline	9.386E-05	0.00009484	0.00010344	0.003176	0.00007096	1.27E-07	0.00004114	0.00003106	5.052E-08	6.994E-08	198	0	2.439688982	0
Kern	2026 Construction and Mining - Misc - Signal Boards	Aggregate	15	Diesel	0.000651	0.000783	0.000936	0.004102	0.004902	1.184E-05	0.0001724	0.0001305	8.92E-08	7.68E-08	305.5	0	106.3054415	0
Kern	2026 Construction and Mining - Misc - Signal Boards	Aggregate	5	Gasoline	0.000005072	0.000005122	0.000005568	0.0001348	0.000002326	5.146E-09	6.478E-08	0.000000049	2.21E-09	3.054E-09	8.548	0	0.344823434	0
Kern	2026 Construction and Mining - Misc - Signal Boards	Aggregate	50	Diesel	8.35417E-06	9.94215E-06	1.203E-05	0.000103348	8.5438E-05	0.013690262	2.05681E-06	1.89227E-06	1.81257E-07	1.12023E-07	445.3	284.7	0.54	10533.9
Kern	2026 Construction and Mining - Misc - Skid Steer Loaders	Aggregate	100	Gasoline	0.000141977	0.000130591	0.000156237	0.007438615	0.000365363	0.309105677	2.15516E-05	1.62834E-05	2.98639E-06	4.25929E-06	12158.15	2861.6	9.17	228928
Kern	2026 Construction and Mining - Misc - Skid Steer Loaders	Aggregate	15	Gasoline	0.00003568	3.596E-05	0.00003918	0.0010314	0.000027	4.14E-08	1.34E-05	0.000010136	1.658E-08	2.29E-08	65.18	0	0.529267016	0
Kern	2026 Construction and Mining - Misc - Skid Steer Loaders	Aggregate	2	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.04014	0
Kern	2026 Construction and Mining - Misc - Skid Steer Loaders	Aggregate	25	Gasoline	0.003074	0.0031	0.003394	0.092266992	0.002036	3.492E-06	0.001128	0.0008526	1.478E-06	0.00000204	5802	0	32.83929563	0
Kern	2026 Construction and Mining - Misc - Skid Steer Loaders	Aggregate	25	Diesel	0.002253	0.00270662	0.003238	0.00924	0.01712	0.00003942	0.00058	0.0004385	2.341E-07	2.02E-07	804	0	142.5526386	0
Kern	2026 Construction and Mining - Misc - Skid Steer Loaders	Aggregate	5	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.04014	0
Kern	2026 Construction and Mining - Misc - Skid Steer Loaders	Aggregate	50	Gasoline	0.000246933	0.000227129	0.000271735	0.019321579	0.00039337	0.209024799	1.441E-05	1.08875E-05	2.54136E-06	3.18647E-06	9095.8	4759.6	15.34	152307.2
Kern	2026 Construction and Mining - Misc - Surfacing Equipment	Aggregate	15	Gasoline	0.004728	0.004756	0.005196	0.1242	0.00357	4.976E-06	0.001614	0.00122	0.00000202	0.000002784	7904	0	83.65896563	0
Kern	2026 Construction and Mining - Misc - Surfacing Equipment	Aggregate	25	Gasoline	0.0001618	0.0001636	0.000178	0.004286	0.0001072	1.616E-07	0.00005244	0.00003964	6.922E-08	9.558E-08	271.2	0	1.144331422	0
Kern	2026 Construction and Mining - Misc - Surfacing Equipment	Aggregate	5	Gasoline	0.0004854	0.0004904	0.0005346	0.01092	0.0002232	4.164E-07	0.000005246	0.000003966	1.828E-07	2.516E-07	702.2	0	28.17172241	0
Kern	2026 Construction and Mining - Misc - Tampers/Rammers	Aggregate	15	Gasoline	0.00050538	0.0005107	0.00055644	0.019604	0.0003953	8.6446E-07	0.00027994	0.00021148	3.1614E-07	4.3688E-07	1215.4	0	67.76636036	0
Kern	2026 Construction and Mining - Misc - Tractors/Loaders/Backhoes	Aggregate	100	Gasoline	0.000100726	9.26475E-05	0.000110843	0.007075677	0.000262768	0.121941294	8.50204E-06	6.42376E-06	1.17812E-06	1.76969E-06	5051.6	1726.45	2.01	108766.35
Kern	2026 Construction and Mining - Misc - Tractors/Loaders/Backhoes	Aggregate	15	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.09262	0
Kern	2026 Construction and Mining - Misc - Tractors/Loaders/Backhoes	Aggregate	2	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.09262	0
Kern	2026 Construction and Mining - Misc - Tractors/Loaders/Backhoes	Aggregate	25	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.09262	0
Kern	2026 Construction and Mining - Misc - Tractors/Loaders/Backhoes	Aggregate	25	Diesel	0.0002094	0.0002524	0.0003017	0.000861	0.00159	0.000003682	0.0000536	4.051E-05	2.191E-08	1.884E-08	75	0	10.23117531	0
Kern	2026 Construction and Mining - Misc - Tractors/Loaders/Backhoes	Aggregate	5	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.09262	0
Kern	2026 Construction and Mining - Misc - Trenchers	Aggregate	100	Gasoline	0.000135827	0.000124934	0.000149469	0.006359615	0.000358666	0.139270144	9.71025E-06	7.33663E-06	1.34554E-06	1.98323E-06	5661.15	1350.5	3.42	89133
Kern	2026 Construction and Mining - Misc - Trenchers	Aggregate	15	Gasoline	0.001354	0.001368	0.00149	0.043706646	0.0010242	0.00000175	0.0005678	0.000429	0.000000697	9.644E-07	2730	0	20.26116879	0
Kern	2026 Construction and Mining - Misc - Trenchers	Aggregate	15	Diesel	0.0000597	0.0000718	0.0000857	0.0003768	0.0004495	1.085E-06	0.00001577	0.00001195	8.18E-09	7.04E-09	28.07	0	8.619182652	0
Kern	2026 Construction and Mining - Misc - Trenchers	Aggregate	2	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.02392	0
Kern	2026 Construction and Mining - Misc - Trenchers	Aggregate	25	Gasoline	0.002328	0.002354	0.002556	0.0754	0.001542	0.000002852	0.0009226	0.000697	0.000001202	0.00000166	4734	0	15.70466243	0
Kern	2026 Construction and Mining - Misc - Trenchers	Aggregate	25	Diesel	0.0002044	0.0002452	0.0002932	0.000839	0.001552	0.000003584	0.00005221	0.00003941	2.13E-08	1.835E-08	73	0	7.319441782	0
Kern	2026 Construction and Mining - Misc - Trenchers	Aggregate	5	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.02392	0
Kern	2026 Construction and Mining - Misc - Trenchers	Aggregate	50	Gasoline	0.000393678	0.000362105	0.000433218	0.030256959	0.000560964	0.192919659	1.32997E-05	1.00487E-05	2.34555E-06	3.20821E-06	9157.85	4109.9	10.24	123297
Kern	2026 Construction and Mining - Nurse Rig Other	Aggregate	175	Diesel	4.08035E-07	4.93722E-07	5.8757E-07	5.25927E-06	7.33004E-06	0.001453793	3.72956E-07	3.43119E-07	1.37716E-08	0	46.06188676	30.43875846	0.044598322	903.4525219
Kern	2026 Construction and Mining - Off-Highway Tractors	Aggregate	100	Diesel	0.000191919	0.000232222	0.000276363	0.001590436	0.002285449	0.532876809	0.000144938	0.000133343	5.04787E-06	0	16883.62992	11615.98221	12.80095275	298661.6973
Kern	2026 Construction and Mining - Off-Highway Tractors	Aggregate	175	Diesel	0.000497558	0.000602046	0.000716484	0.004438226	0.006475745	2.888360913	0.000272852	0.000251024	2.73611E-05	0	91514.61632	40791.90297	28.32259013	1807222.089
Kern	2026 Construction and Mining - Off-Highway Tractors	Aggregate	300	Diesel	0.000268435	0.000324807	0.000386547	0.00111101	0.003390637	1.306080979	0.000147615	0.000135806	1.23723E-05	0	41381.77439	12767.5451	11.06603561	816971.6488
Kern	2026 Construction and Mining - Off-Highway Tractors	Aggregate	50	Diesel	0.000538762	0.000651903	0.000775818	0.002853506	0.00572659	0.624396889	0.000200356	0.000184328	5.91483E-06	0	19783.34546	31687.45016	35.86443168	350342.3478
Kern	2026 Construction and Mining - Off-Highway Tractors	Aggregate	600	Diesel	0.000540016	0.00065342	0.000777624	0.0023128	0.006046375	3.48552225	0.000241155	0.000221863	3.30179E-05	0	110435.0325	19240.18797	14.37046954	2181548.601
Kern	2026 Construction and Mining - Off-Highway Tractors	Aggregate	75	Diesel	0.000229509	0.000277706	0.000330493	0.001306896	0.004199486	0.538559558	0.00013856	0.000127475	5.1017E-06	0	17063.68172	16879.30754	19.36626639	302580.9776
Kern	2026 Construction and Mining - Off-Highway Tractors	Aggregate	750	Diesel	3.80077E-05	4.59893E-05	5.47311E-05	0.00015828	0.000401664	0.278701336	2.16786E-05	1.99443E-05	2.6401E-06	0	8830.352771	963.7845138	0.936825947	174764.7431
Kern	2026 Construction and Mining - Off-Highway Tractors	Aggregate	9999	Diesel	4.70276E-05	5.69035E-05	6.77198E-05	0.000150966	0.001242148	0.273002907	2.35167E-05	2.16353E-05	2.58612E-06	0	8649.804167	353.7046715	0.313069857	171187.7311
Kern	2026 Construction and Mining - Off-Highway Trucks	Aggregate	100	Diesel	5.13098E-06	6.20848E-06	7.38861E-06	4.12356E-05	5.8373E-05	0.014589623	3.02959E-06	2.78723E-06	1.38206E-07	0	462.2565486	322.8857208	0.401384898	8181.327982
Kern	2026 Construction and Mining - Off-Highway Trucks	Aggregate	175	Diesel	0.000179893	0.000217671	0.000259046	0.001729291	0.002473185	0.749757384	0.00011029	0.000101466	7.10235E-06	0	23755.25823	9992.007646	8.653766367	467954.3248
Kern	2026 Construction and Mining - Off-Highway Trucks	Aggregate	300	Diesel	0.00042795	0.000517819	0.000616248	0.001907737	0.005455233	1.763056833	0.000256704	0.000236168	1.67012E-05	0	55860.564	16852.31596	17.18116956	1102372.073
Kern	2026 Construction and Mining - Off-Highway Trucks	Aggregate	50	Diesel	1.84297E-05	2.22999E-05	2.65387E-05	0.000129989	0.000292061	0.027396449	7.91387E-06	7.28076E-06	2.59523E-07	0	868.0271003	1839.895828	2.319112744	15353.91547
Kern	2026 Construction and Mining - Off-Highway Trucks	Aggregate	600	Diesel	0.001775679	0.002148572	0.002556978	0.007600465	0.02035591	12.88700922	0.000811309	0.000746404	0.000122077	0	408311.0592	65317.48162	58.93447433	8070204.296
Kern	2026 Construction and Mining - Off-Highway Trucks	Aggregate	75	Diesel	1.05349E-05	1.27472E-05	1.51703E-05	4.36829E-05	0.000218914	0.028832125	5.81578E-06	5.35052E-06	2.73123E-07	0	913.5149477	806.5681813	1.160021313	16253.39646
Kern	2026 Construction and Mining - Off-Highway Trucks	Aggregate	750	Diesel	0.000341357	0.000413042	0.000491555	0.001873861	0.00385533	1.843490663	0.000193364	0.000177895	1.74631E-05	0	58409.02359	5887.314117	7.655848283	1153855.072
Kern	2026 Construction and Mining - Off-Highway Trucks	Aggregate	9999	Diesel	0.001188405	0.001437971	0.001711304	0.004572399	0.029662203	6.449937873	0.000608415	0.000559742	6.10994E-05	0	204359.3607	11917.13454	13.35742728	4037383.321
Kern	2026 Construction and Mining - Other Construction Equipment	Aggregate	100	Diesel	0.000154059	0.000186411	0.000221844	0.001143987	0.001865	0.482470766	0.000118849	0.000109341	4.57038E-06	0	15286.56853	10660.44079	23.16071534	270937.4466
Kern	2026 Construction and Mining - Other Construction Equipment	Aggregate	175	Diesel	0.000340957	0.000412558	0.000490979	0.0028129	0.004615808	1.601370944	0.00020277	0.000186548	1.51696E-05	0	50737.72009	25730.36895	40.78713267	1001346.604
Kern	2026 Construction and Mining - Other Construction Equipment	Aggregate	300	Diesel	0.000320784	0.000388149	0.000461929	0.001478547	0.004317684	1.521984638	0.000192873	0.000177443	1.44176E-05	0	48222.45017	14396.88941	25.36801303	951736.9019
Kern	2026 Construction and Mining - Other Construction Equipment	Aggregate	50	Diesel	0.000255776	0.000309489	0.000368317	0.001376011	0.00329432	0.367266307	9.88309E-05	9.09244E-05	3.47907E-06	0	11636.43887	17838.40679	40.85791265	206286.6469
Kern	2026 Construction and Mining - Other Construction Equipment	Aggregate	600	Diesel	0.000791617	0.000957856	0.001139928	0.004670661	0.010189437	4.942324044	0.000419583	0.000386016	4.6818E-05	0	156592.2342	26782.90795	43.6609194	3092190.845
Kern	2026 Construction and Mining - Other Construction Equipment	Aggregate	75	Diesel	0.000195627	0.000236708	0.000281702	0.001184647	0.004744924	0.62147648	0.000116945	0.00010759	5.88716E-06	0	19690.81542	18150.78172	39.43768607	349695.1881
Kern	2026 Construction and Mining - Other Construction Equipment	Aggregate	750	Diesel	9.46858E-05	0.00011457	0.000136348	0.000418198	0.001254531	0.781361675	4.9515E-05	4.55538E-05	7.40174E-06	0	24756.60627	2657.357585	4.775854448	489247.8365
Kern	2026 Construction and Mining - Other Construction Equipment	Aggregate	9999	Diesel	0.000160162	0.000193796	0.000230633	0.000673647	0.004741025	1.039223699	8.50437E-05	7.82402E-05	9.84443E-06	0	32926.6878	1959.180788	3.48134872	650659.0531
Kern	2026 Construction and Mining - Other Material Handling Equipment	Aggregate	100	Diesel	5.74134E-05	6.94702E-05	8.26753E-05	0.000419837	0.000687333	0.159959111	4.2806E-05	3.93815E-05	1.51527E-06	0	5068.132808	3428.107122	6.513081763	89761.5073
Kern	2026 Construction and Mining - Other Material Handling Equipment	Aggregate	175	Diesel	0.000149626	0.000181048	0.000215462	0.001283191	0.002024298	0.671296908	9.11119E-05	8.38229E-05	6.35911E-06	0	21269.32224	10928.18552	15.83637546	419545.9501
Kern	2026 Construction and Mining - Other Material Handling Equipment	Aggregate	300	Diesel	0.000132393	0.000160196	0.000190646	0.000590533	0.001791861	0.693349962	7.33589E-05	6.74902E-05	6.56801E-06	0	21968.04959	6520.513973	9.904625918	433597.2488
Kern	2026 Construction and Mining - Other Material Handling Equipment	Aggregate	50	Diesel	4.07231E-05	4.92749E-05	5.86413E-05	0.000237513	0.000656726	0.069315204	1.60534E-05	1.47691E-05	6.56614E-07	0	2196.177851	3870.032233	8.297458445	38944.43982
Kern	2026 Construction and Mining - Other Material Handling Equipment	Aggregate	600	Diesel	0.000182344	0.000220636	0.000262575	0.000914872	0.002236435	1.231946892	8.72827E-05	8.03001E-05	1.16701E-05	0	39032.91539	6826.240753	9.546364717	770677.6178
Kern	2026 Construction and Mining - Other Material Handling Equipment	Aggregate	75	Diesel	2.78479E-05	3.36959E-05	4.0101E-05	0.000170083	0.000688754	0.090347697	1.68703E-05	1.55207E-05	8.55852E-07	0	2862.569842	2652.492126	5.21861345	50841.39314
Kern	2026 Construction and Mining - Other Material Handling Equipment	Aggregate	750	Diesel	2.87365E-05	3.47712E-05	4.13806E-05	0.000264319	0.00034512	0.133677841	1.8923E-05	1.74091E-05	1.26631E-06	0	4235.438948	428.7334352	0.847368118	83592.8352
Kern	2026 Construction and Mining - Other Material Handling Equipment	Aggregate	9999	Diesel	6.89605E-05	8.34422E-05	9.93031E-05	0.000253272	0.002054419	0.451530141	3.74106E-05	3.44178E-05	4.27729E-06	0	14306.24804	1025.910699	1.56094127	282896.3663
Kern	2026 Construction and Mining - Pavers	Aggregate	100	Diesel	0.000109051	0.000131951	0.000157033	0.001043789	0.001432807	0.32343464	8.20937E-05	7.55262E-05	3.06385E-06	0	10247.67954	7285.248443	11.82087758	181117.3042
Kern	2026 Construction and Mining - Pavers	Aggregate	175	Diesel	0.000212845	0.000257542	0.000306497	0.001505142	0.002713981	1.087912448	0.000122601	0.000112793	1.03057E-05	0	34469.33858	16398.89476	20.92372308	681061.5079
Kern	2026 Construction and Mining - Pavers	Aggregate	300	Diesel	0.000201539	0.000243862	0.000290216	0.000833524	0.00276732	1.322563027	9.07849E-05	8.35221E-05	1.25285E-05	0	41903.99041	12752.11266	15.47777201	827109.7382
Kern	2026 Construction and Mining - Pavers	Aggregate	50	Diesel	6.00749E-05	7.26906E-05	8.65079E-05	0.000262744	0.000518009	0.058472559	2.00943E-05	1.84868E-05	5.53903E-07	0	1852.640285	2990.793448	5.932241155	32839.84218
Kern	2026 Construction and Mining - Pavers	Aggregate	600	Diesel	3.19246E-05	3.86288E-05	4.59715E-05	0.000123669	0.000419557	0.236471085	1.47168E-05	1.35395E-05	2.24006E-06	0	7492.332583	1374.635484	1.60694769	148012.9959
Kern	2026 Construction and Mining - Pavers	Aggregate	75	Diesel	0.000118383	0.000143243	0.000170471	0.000680294	0.002270462	0.2963274	7.04651E-05	6.48279E-05	2.80707E-06	0	9388.815714	8479.983283	15.38822573	166547.2706
Kern	2026 Construction and Mining - Pavers	Aggregate	750	Diesel	5.67794E-07	6.87031E-07	8.17623E-07	1.5635E-06	7.18311E-06	0.009541173	1.75124E-07	1.61114E-07	9.03823E-08	0	302.3018306	33.40829035	0.044598322	5992.710073
Kern	2026 Construction and Mining - Pavers	Aggregate	9999	Diesel	4.43242E-05	5.36323E-05	6.38269E-05	0.000137767	0.001036191	0.219540333	2.14529E-05	1.97366E-05	2.07968E-06	0	6955.899888	248.3358285	0.312188254	137383.5127
Kern	2026 Construction and Mining - Paving Equipment	Aggregate	100	Diesel	5.05307E-05	6.11421E-05	7.27642E-05	0.000472928	0.000705303	0.174781194	3.92858E-05	3.61429E-05	1.65568E-06	0	5537.754582	3826.042138	7.364555023	98026.14062
Kern	2026 Construction and Mining - Paving Equipment	Aggregate	175	Diesel	0.000186815	0.000226046	0.000269013	0.001761734	0.002668603	1.204184907	0.000105127	9.67171E-05	1.14071E-05	0	38153.30667	18800.71303	23.7772574	753566.9889
Kern	2026 Construction and Mining - Paving Equipment	Aggregate	300	Diesel	8.90909E-05	0.0001078	0.000128291	0.000381693	0.001236542	0.544217454	4.52783E-05	4.1656E-05	5.1553E-06	0	17242.94609	5116.926548	7.541449103	340347.2925
Kern	2026 Construction and Mining - Paving Equipment	Aggregate	50	Diesel	8.25685E-05	9.99079E-05	0.000118899	0.000348774	0.001312457	0.149160879	2.64519E-05	2.43357E-05	1.41298E-06	0	4726.0024	7678.617144	16.41314381	83990.38289
Kern	2026 Construction and Mining - Paving Equipment	Aggregate	600	Diesel	0.000152092	0.000184031	0.000219012	0.000590161	0.001913046	1.292387118	7.15885E-05	6.58614E-05	1.22426E-05	0	40947.89911	7985.543784	10.88736984	809635.1962
Kern	2026 Construction and Mining - Paving Equipment	Aggregate	75	Diesel	3.69812E-05	4.47472E-05	5.32529E-05	0.000224767	0.000838637	0.110561831	2.11846E-05	1.94898E-05	1.04734E-06	0	3503.032993	3199.984211	6.466964777	62186.02929
Kern	2026 Construction and Mining - Paving Equipment	Aggregate	750	Diesel	2.37506E-05	2.87382E-05	3.42008E-05	7.81538E-05	0.00027673	0.278021744	1.46644E-05	1.34912E-05	2.63366E-06	0	8808.820631	962.8481958	1.471744626	174413.7982
Kern	2026 Construction and Mining - Paving Equipment	Aggregate	9999	Diesel	3.28192E-05	3.97113E-05	4.72597E-05	0.000122603	0.000776781	0.174829058	1.58025E-05	1.45383E-05	1.65613E-06	0	5539.271113	384.3502665	0.579778186	109314.707
Kern	2026 Construction and Mining - Rollers	Aggregate	100	Diesel	0.000305198	0.000369289	0.000439485	0.002245679	0.00365446	0.885670684	0.000234044	0.00021532	8.38984E-06	0	28061.52529	19528.70307	40.24670849	497156.056
Kern	2026 Construction and Mining - Rollers	Aggregate	175	Diesel	0.000890257	0.001077211	0.00128197	0.007815272	0.012314724	5.213632338	0.000496323	0.000456618	4.93881E-05	0	165188.3464	82804.52673	109.0349657	3262326.216
Kern	2026 Construction and Mining - Rollers	Aggregate	300	Diesel	9.2676E-05	0.000112138	0.000133453	0.000421292	0.001219075	0.445363875	5.75987E-05	5.29908E-05	4.21887E-06	0	14110.87649	4379.943383	7.238745414	278722.8547
Kern	2026 Construction and Mining - Rollers	Aggregate	50	Diesel	0.00097405	0.0011786	0.001402631	0.004419812	0.012865526	1.424242737	0.000339953	0.000312757	1.34917E-05	0	45125.60292	77226.05976	166.827664	801129.0203
Kern	2026 Construction and Mining - Rollers	Aggregate	600	Diesel	5.95504E-05	7.2056E-05	8.57526E-05	0.0003631	0.000746112	0.374443818	3.31208E-05	3.04712E-05	3.54706E-06	0	11863.8506	2068.686769	3.127604254	234473.539
Kern	2026 Construction and Mining - Rollers	Aggregate	75	Diesel	0.000179965	0.000217757	0.000259149	0.000859005	0.004378371	0.578112407	0.000108341	9.96733E-05	5.47638E-06	0	18316.8713	16258.32188	33.90140193	325779.0461
Kern	2026 Construction and Mining - Rollers	Aggregate	750	Diesel	1.70616E-06	2.06445E-06	2.45686E-06	7.08339E-06	2.34502E-05	0.008859206	7.72124E-07	7.10354E-07	8.39221E-08	0	280.6944513	27.077362	0.044598322	5527.821019
Kern	2026 Construction and Mining - Rollers	Aggregate	9999	Diesel	6.74717E-05	8.16408E-05	9.71593E-05	0.000218899	0.001725263	0.393034138	2.71169E-05	2.49475E-05	3.72316E-06	0	12452.86493	370.0303109	0.579778186	246078.8319
Kern	2026 Construction and Mining - Rough Terrain Forklifts	Aggregate	100	Diesel	0.000295888	0.000358024	0.000426078	0.002558512	0.004176427	1.265737075	0.000219177	0.000201643	1.19902E-05	0	40103.52108	27823.20494	64.69346629	711248.0759
Kern	2026 Construction and Mining - Rough Terrain Forklifts	Aggregate	175	Diesel	0.00132982	0.001609082	0.001914941	0.012873538	0.019484436	8.352475113	0.000712295	0.000655312	7.91219E-05	0	264639.2118	145495.5795	226.9376687	5225124.39
Kern	2026 Construction and Mining - Rough Terrain Forklifts	Aggregate	300	Diesel	1.12195E-05	1.35756E-05	1.61561E-05	5.25243E-05	0.000163105	0.070511349	6.13492E-06	5.64413E-06	6.67945E-07	0	2234.07645	741.7572123	1.383118818	44127.61213
Kern	2026 Construction and Mining - Rough Terrain Forklifts	Aggregate	50	Diesel	2.25052E-05	2.72313E-05	3.24075E-05	9.30897E-05	0.000381364	0.046615643	7.90924E-06	7.2765E-06	4.41584E-07	0	1476.966615	2004.36003	5.530191928	26268.42469
Kern	2026 Construction and Mining - Rough Terrain Forklifts	Aggregate	600	Diesel	2.24607E-06	2.71774E-06	3.23434E-06	9.95517E-06	3.30276E-05	0.020326076	9.0013E-07	8.2812E-07	1.92546E-07	0	644.0099005	132.5531524	0.223008062	12724.68747
Kern	2026 Construction and Mining - Rough Terrain Forklifts	Aggregate	75	Diesel	0.000311783	0.000377257	0.000448967	0.00149382	0.012883719	1.834653666	0.000124267	0.000114325	1.73794E-05	0	58129.03282	49589.75083	112.9755846	1035699.54
Kern	2026 Construction and Mining - Rough Terrain Forklifts	Aggregate	750	Diesel	3.3261E-07	4.02459E-07	4.78959E-07	1.24622E-06	5.14804E-06	0.006671175	1.17501E-07	1.08101E-07	6.31952E-08	0	211.3690282	23.54590336	0.044614774	4190.094721
Kern	2026 Construction and Mining - Rubber Tired Dozers	Aggregate	100	Diesel	2.37423E-05	2.87282E-05	3.41889E-05	0.000128492	0.000242433	0.060968615	1.90436E-05	1.75201E-05	5.77548E-07	0	1931.725148	1332.381455	2.23150394	34279.1144
Kern	2026 Construction and Mining - Rubber Tired Dozers	Aggregate	175	Diesel	5.41962E-05	6.55775E-05	7.80426E-05	0.000349692	0.000691533	0.197759828	3.56665E-05	3.28132E-05	1.87335E-06	0	6265.807966	2920.428932	3.703308705	123696.5806
Kern

Kern	2026	Forestry - Extraction	Aggregate	25	Diesel	6.30291E-07	7.62652E-07	9.07618E-07	2.03859E-06	1.27101E-06	0.000140984	5.83878E-08	5.37167E-08	1.32608E-09	1.18628E-09	4.715544462	2.723606541	0.008239039	156.9354417
Kern	2026	Forestry - Extraction	Aggregate	300	Diesel	7.33938E-05	8.88065E-05	0.000105687	0.000280291	0.000951776	0.206095802	3.31402E-05	3.04889E-05	1.92852E-06	1.7029E-06	6769.129082	101.9426675	0.990982321	250447.1312
Kern	2026	Forestry - Extraction	Aggregate	600	Diesel	4.39225E-05	5.31462E-05	6.32484E-05	0.000362979	0.000579124	0.11282396	2.09329E-05	1.92583E-05	1.05392E-06	9.30725E-07	3699.687192	85.21034124	0.337209269	136882.609
Kern	2026	Forestry - Extraction	Aggregate	75	Diesel	8.06459E-07	9.75816E-07	1.1613E-06	3.12763E-06	4.7054E-06	0.000430002	1.61343E-07	1.48435E-07	4.07802E-09	3.61816E-09	14.38241085	2.723606587	0.00411952	478.6530767
Kern	2026	Forestry - Extraction	Aggregate	750	Diesel	2.27483E-06	2.75255E-06	3.27575E-06	8.40801E-06	2.63277E-05	0.004199432	1.00553E-06	9.25089E-07	3.99943E-08	3.53353E-08	140.4597381	5.432524917	0.00411952	5196.789282
Kern	2026	Forestry - Extraction	Aggregate	9999	Diesel	4.68235E-06	5.66565E-06	6.74259E-06	1.52346E-05	9.21356E-05	0.007609002	2.17551E-06	2.00147E-06	7.24493E-08	6.40244E-08	254.5007263	2.723606732	0.00411952	9416.126191
Kern	2026	Forestry - Maintenance & Construction	Aggregate	100	Diesel	5.41902E-06	6.55701E-06	7.80338E-06	2.79577E-05	5.31268E-05	0.004296748	2.98829E-06	2.74922E-06	4.06846E-08	3.60273E-08	143.210543	15.89084485	0.06528535	4623.957561
Kern	2026	Forestry - Maintenance & Construction	Aggregate	175	Diesel	4.69219E-05	5.67755E-05	6.75675E-05	0.000261648	0.000551411	0.036040564	2.29227E-05	2.10889E-05	3.42419E-07	3.03256E-07	1205.460226	43.15661133	0.379351898	43269.89126
Kern	2026	Forestry - Maintenance & Construction	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern	2026	Forestry - Maintenance & Construction	Aggregate	300	Diesel	4.47333E-05	5.41273E-05	6.44159E-05	0.000212307	0.000576357	0.032111561	2.50951E-05	2.30875E-05	3.05002E-07	2.70196E-07	1074.045584	36.10967981	0.26050038	38552.77394
Kern	2026	Forestry - Maintenance & Construction	Aggregate	50	Diesel	2.90141E-07	3.51071E-07	4.17804E-07	2.09477E-06	2.3743E-06	0.000198815	9.54044E-08	8.7772E-08	1.88798E-09	1.67288E-09	6.64982161	2.541518201	0.005941111	214.708299
Kern	2026	Forestry - Maintenance & Construction	Aggregate	600	Diesel	1.94811E-05	2.35722E-05	2.80529E-05	0.000201745	0.000267261	0.018192451	1.00316E-05	9.22908E-06	1.72971E-07	1.53077E-07	608.4887261	14.87842119	0.088884455	21841.6506
Kern	2026	Forestry - Maintenance & Construction	Aggregate	75	Diesel	5.63838E-07	6.82243E-07	8.11926E-07	2.52107E-06	8.82043E-06	0.001110908	1.49095E-07	1.37167E-07	1.03421E-08	9.13667E-09	36.31877928	30.78989473	0.020645466	1172.654587
Kern	2026	Forestry - Manufacturing	Aggregate	100	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern	2026	Forestry - Manufacturing	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern	2026	Forestry - Manufacturing	Aggregate	300	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern	2026	Forestry - Manufacturing	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern	2026	Forestry - Manufacturing	Aggregate	75	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern	2026	Industrial - Aerial Lifts	Aggregate	100	Diesel	1.76144E-05	2.13135E-05	2.53648E-05	0.000222873	0.000373526	0.120106887	1.6014E-05	1.47328E-05	1.13776E-06	0	3805.457825	2828.739747	9.518683705	67481.85459
Kern	2026	Industrial - Aerial Lifts	Aggregate	175	Diesel	2.32738E-05	2.81613E-05	3.35143E-05	0.000227472	0.000399386	0.17789327	1.50635E-05	1.38584E-05	1.68516E-06	0	5636.35738	3157.225164	6.739631236	111359.4594
Kern	2026	Industrial - Aerial Lifts	Aggregate	300	Diesel	3.53085E-07	4.27233E-07	5.08443E-07	1.99394E-06	6.45303E-06	0.003778495	1.35229E-07	1.24411E-07	3.57932E-08	0	119.7175669	35.45230515	0.07984238	2364.097472
Kern	2026	Industrial - Aerial Lifts	Aggregate	50	Diesel	7.89645E-05	9.55471E-05	0.000113709	0.000392663	0.002443875	0.30321587	3.436E-05	3.16112E-05	2.87232E-06	0	9607.069498	12379.19655	50.55958597	170907.1125
Kern	2026	Industrial - Aerial Lifts	Aggregate	600	Diesel	1.88554E-07	2.2815E-07	2.71517E-07	9.01892E-07	3.2895E-06	0.00223463	1.02068E-07	9.39023E-08	2.11684E-08	0	70.80185459	13.06206295	0.031936952	1399.75542
Kern	2026	Industrial - Aerial Lifts	Aggregate	75	Diesel	9.0801E-05	0.000109869	0.000130753	0.000637459	0.004256807	0.604499686	4.6086E-05	4.23991E-05	5.72635E-06	0	19152.92392	16887.79427	55.1301247	340865.8576
Kern	2026	Industrial - Boom	Aggregate	100	Diesel	8.55704E-06	1.0354E-05	1.23221E-05	9.90509E-05	0.000154663	0.061057931	7.67291E-06	7.05908E-06	5.78394E-07	0	1934.555028	1473.676101	2.586970663	34347.21539
Kern	2026	Industrial - Boom	Aggregate	175	Diesel	9.02825E-06	1.09242E-05	1.30007E-05	9.06559E-05	0.000133471	0.055220746	4.5918E-06	4.22446E-06	5.23099E-07	0	1749.610078	1022.206723	1.149730272	34532.23362
Kern	2026	Industrial - Boom	Aggregate	300	Diesel	1.14622E-06	1.38693E-06	1.65056E-06	4.88047E-06	1.49843E-05	0.008632509	4.51207E-07	4.15111E-07	8.17746E-08	0	273.5117891	86.5551327	0.111982097	5403.914259
Kern	2026	Industrial - Boom	Aggregate	50	Diesel	0.000121904	0.000147504	0.000175542	0.000336036	0.003088788	0.396749587	3.80278E-05	3.49856E-05	3.75836E-06	0	12570.58495	15807.07769	34.04479083	223976.6703
Kern	2026	Industrial - Boom	Aggregate	600	Diesel	1.9183E-06	2.32114E-06	2.76235E-06	8.84993E-06	2.49479E-05	0.008031168	1.16633E-06	1.07302E-06	7.60782E-08	0	254.458927	47.28100369	0.063873904	5016.677748
Kern	2026	Industrial - Boom	Aggregate	75	Diesel	0.000119252	0.000144295	0.000171723	0.000513096	0.004665519	0.666934462	4.23615E-05	3.89726E-05	6.31778E-06	0	21131.10279	18768.53716	31.55401082	376555.1541
Kern	2026	Industrial - Boom	Aggregate	9999	Diesel	5.61788E-07	6.79764E-07	8.08975E-07	2.52111E-06	2.42455E-05	0.005398183	2.37151E-07	2.18179E-07	5.11363E-08	0	171.0356244	11.90804867	0.015968476	3390.541522
Kern	2026	Industrial - Forklifts	Aggregate	100	Diesel	0.000175489	0.000212342	0.000252704	0.001628787	0.002772979	0.873345788	0.000149769	0.000137788	8.27309E-06	0	27671.02419	19625.78393	71.22517803	490839.203
Kern	2026	Industrial - Forklifts	Aggregate	175	Diesel	0.000374316	0.000452923	0.000539016	0.003850761	0.006322553	2.623328088	0.000227025	0.000208863	2.48504E-05	0	83117.33565	43779.75888	107.2548273	1641098.965
Kern	2026	Industrial - Forklifts	Aggregate	25	Diesel	6.86793E-09	8.3102E-09	9.88983E-09	2.59446E-08	1.85558E-08	2.34164E-06	1.90948E-09	1.75672E-09	2.21821E-11	0	0.074192367	3.652667183	0.015968476	1.30097739
Kern	2026	Industrial - Forklifts	Aggregate	300	Diesel	3.78127E-05	4.57533E-05	5.44502E-05	0.000192953	0.00058831	0.238009648	2.35158E-05	2.16346E-05	2.25463E-06	0	7541.080304	2436.589514	6.758354516	148858.0172
Kern	2026	Industrial - Forklifts	Aggregate	50	Diesel	6.2083E-05	7.51204E-05	8.93995E-05	0.000278932	0.001074326	0.128643043	2.34355E-05	2.15606E-05	1.21862E-06	0	4075.916776	5763.88983	23.54917025	72428.57331
Kern	2026	Industrial - Forklifts	Aggregate	600	Diesel	1.17655E-05	1.42363E-05	1.69423E-05	0.000105289	0.00017791	0.073077122	7.30193E-06	6.71778E-06	6.9225E-07	0	2315.370197	451.8198914	1.278092199	45706.11684
Kern	2026	Industrial - Forklifts	Aggregate	75	Diesel	0.000232735	0.00028161	0.000335139	0.001427691	0.009567571	1.330849797	0.000120204	0.000110587	1.2607E-05	0	42166.54782	38064.77774	134.1463712	750537.0075
Kern	2026	Industrial - Forklifts	Aggregate	750	Diesel	2.45148E-07	2.96629E-07	3.53014E-07	8.59879E-07	4.03665E-06	0.005465563	1.68366E-07	1.54897E-07	5.17746E-08	0	173.1705036	16.4409352	0.047905428	3432.862511
Kern	2026	Industrial - Forklifts	Aggregate	9999	Diesel	1.27415E-05	1.54173E-05	1.83478E-05	6.25397E-05	0.000451553	0.102063642	7.91155E-06	7.27862E-06	9.66835E-07	0	3233.776986	110.6497276	0.319587851	63873.02921
Kern	2026	Industrial - Garbage Refuse	Aggregate	175	Diesel	2.11414E-07	2.55811E-07	3.04436E-07	3.20313E-06	2.88714E-06	0.000608187	1.33418E-07	1.22745E-07	5.76127E-09	0	19.26974506	11.51356477	0.015968476	375.9074161
Kern	2026	Industrial - Garbage Refuse	Aggregate	300	Diesel	4.78235E-07	5.78664E-07	6.88658E-07	2.7531E-06	6.09019E-06	0.002917701	1.58482E-07	1.45804E-07	2.7639E-08	0	92.44422103	27.06549903	0.031936952	1818.68091
Kern	2026	Industrial - Garbage Refuse	Aggregate	50	Diesel	2.58962E-08	3.13344E-08	3.72905E-08	3.36866E-07	1.16162E-06	0.000105026	1.59707E-08	1.4693E-08	9.94896E-10	0	3.327629596	7.946187988	0.015968476	58.96268394
Kern	2026	Industrial - Garbage Refuse	Aggregate	600	Diesel	5.56633E-06	6.73526E-06	8.01552E-06	2.37496E-05	6.14886E-05	0.043236091	2.10091E-06	1.93284E-06	4.0957E-07	0	1369.889155	195.1699055	0.207590188	27049.82353
Kern	2026	Industrial - Garbage Refuse	Aggregate	75	Diesel	1.36503E-07	1.65168E-07	1.96564E-07	3.62426E-07	2.98203E-06	0.000435954	7.44288E-08	6.84745E-08	4.12974E-09	0	13.81274299	11.21393933	0.015968476	246.3022177
Kern	2026	Industrial - Garbage Refuse	Aggregate	9999	Diesel	1.32062E-06	1.59795E-06	1.9017E-06	3.00346E-06	4.85567E-05	0.010794969	5.37103E-07	4.94135E-07	1.02259E-07	0	342.0270033	25.21229946	0.031936952	6780.205942
Kern	2026	Industrial - Garbage Transfer	Aggregate	300	Diesel	5.69377E-07	6.88946E-07	8.19003E-07	2.00816E-06	7.29666E-06	0.003052856	2.40593E-07	2.21346E-07	2.89193E-08	0	96.72647546	29.20108557	0.031936952	1908.555353
Kern	2026	Industrial - Garbage Transfer	Aggregate	600	Diesel	5.82808E-07	7.05197E-07	8.39243E-07	1.43131E-06	5.73494E-06	0.007444979	2.73983E-07	2.52064E-07	7.05253E-08	0	235.8861853	30.55470271	0.031936952	4676.112997
Kern	2026	Industrial - Misc - Aerial Lifts	Aggregate	100	Gasoline	4.51277E-05	4.15084E-05	4.96603E-05	0.002521842	0.000116468	0.089699684	6.25408E-06	4.7253E-06	8.66624E-07	1.24416E-06	3551.45	1244.65	3.43	83391.55
Kern	2026	Industrial - Misc - Aerial Lifts	Aggregate	15	Gasoline	7.44833E-06	7.52281E-06	8.19644E-06	0.000210986	5.63063E-06	8.45431E-09	2.73919E-06	2.06962E-06	3.40065E-09	4.69416E-09	13.32	0	0.124946566	0
Kern	2026	Industrial - Misc - Aerial Lifts	Aggregate	15	Diesel	8.19336E-06	9.85482E-06	1.17781E-05	5.16927E-05	6.17148E-05	1.4897E-07	2.17037E-06	1.63984E-06	1.12282E-09	9.67206E-10	3.844	0	1.793313358	0
Kern	2026	Industrial - Misc - Aerial Lifts	Aggregate	15	Nat Gas	9.07092E-07	8.20953E-08	8.97924E-07	3.19937E-05	8.74547E-07	2.93876E-09	8.16617E-08	6.16999E-08	6.69902E-11	6.02692E-10	1.724	0	0.043431969	0
Kern	2026	Industrial - Misc - Aerial Lifts	Aggregate	2	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.039544832	0
Kern	2026	Industrial - Misc - Aerial Lifts	Aggregate	25	Gasoline	0.000414408	0.000418551	0.000456031	0.010964578	0.000274296	4.1393E-07	0.000134113	0.00010133	1.77272E-07	2.44701E-07	697	0	4.185644434	0
Kern	2026	Industrial - Misc - Aerial Lifts	Aggregate	25	Diesel	1.53921E-05	1.85133E-05	2.21264E-05	6.31308E-05	0.000117115	2.6979E-07	4.04527E-06	3.05642E-06	1.60426E-09	1.38192E-09	5.49	0	2.564009118	0
Kern	2026	Industrial - Misc - Aerial Lifts	Aggregate	25	Nat Gas	7.65793E-05	6.93073E-06	7.58054E-05	0.001950088	5.36031E-05	1.71572E-07	5.25223E-06	3.96835E-06	4.16745E-09	3.74934E-08	107.1	0	1.734928928	0
Kern	2026	Industrial - Misc - Aerial Lifts	Aggregate	5	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.039544832	0
Kern	2026	Industrial - Misc - Aerial Lifts	Aggregate	50	Gasoline	5.71421E-05	5.25593E-05	6.28814E-05	0.004732328	8.76628E-05	0.044682428	3.08037E-06	2.32739E-06	5.43257E-07	6.91766E-07	1974.65	1244.65	3.43	41073.45
Kern	2026	Industrial - Misc - Forklifts	Aggregate	100	Gasoline	0.003093919	0.002845787	0.00340467	0.296483742	0.015644066	3.566875556	0.000248691	0.0001879	3.4461E-05	5.36074E-05	153022.6	72616.75	40.3	5083172.5
Kern	2026	Industrial - Misc - Forklifts	Aggregate	100	Nat Gas	0	0	0.000564665	0.261484813	0.026379268	5.698498021	0.000506788	0	0	0	317422.25	133177.55	73.93	9322428.5
Kern	2026	Industrial - Misc - Forklifts	Aggregate	175	Gasoline	0.000161771	0.000148797	0.000178019	0.011125564	0.000960152	0.264436226	1.89573E-05	1.43233E-05	2.6269E-06	3.7427E-06	10683.55	2649.9	1.48	386885.4
Kern	2026	Industrial - Misc - Forklifts	Aggregate	175	Nat Gas	0	0	2.57843E-05	0.015278626	0.001295975	0.434947422	3.86815E-05	0	0	0	23808.95	4876.4	2.7	711954.4
Kern	2026	Industrial - Misc - Forklifts	Aggregate	25	Gasoline	5.26758E-08	5.32027E-08	5.79665E-08	4.13499E-06	2.98878E-08	1.13454E-09	1.01523E-10	7.6706E-11	6.3414E-11	8.75346E-11	0.2488	0	0.03202345	0
Kern	2026	Industrial - Misc - Forklifts	Aggregate	25	Nat Gas	1.40399E-05	1.27067E-06	1.38981E-05	0.000201876	5.63601E-06	1.56177E-08	6.22791E-07	4.70554E-07	4.55609E-10	4.09898E-09	11.71	0	0.060011848	0
Kern	2026	Industrial - Misc - Forklifts	Aggregate	50	Gasoline	0.001466513	0.001348899	0.001613809	0.174103662	0.003497743	0.602086879	4.15073E-05	3.13611E-05	7.32028E-06	1.16846E-05	33353.7	20699.15	11.49	848665.15
Kern	2026	Industrial - Misc - Forklifts	Aggregate	50	Nat Gas	0	0	9.53203E-05	0.015510522	0.004049063	0.950993806	8.45754E-05	0	0	0	50694.85	37945.4	21.06	1555761.4
Kern	2026	Industrial - Misc - Other General Industrial Equipment	Aggregate	100	Gasoline	1.39187E-05	1.28024E-05	1.53167E-05	0.00102425	8.4269E-05	0.025740128	1.79466E-06	1.35597E-06	2.48686E-07	3.63145E-07	1036.6	259.15	0.37	20472.85
Kern	2026	Industrial - Misc - Other General Industrial Equipment	Aggregate	15	Gasoline	3.21114E-06	3.24326E-06	3.53366E-06	0.000162623	1.64889E-06	6.70435E-08	8.65692E-09	6.54078E-09	2.54866E-09	3.51808E-09	9.955	0	4.34196489	0
Kern	2026	Industrial - Misc - Other General Industrial Equipment	Aggregate	15	Diesel	4.71167E-06	5.66711E-06	6.77311E-06	3.33663E-05	3.98354E-05	9.61566E-08	1.40093E-06	1.05848E-06	6.99882E-10	6.02885E-10	2.401	0	0.438503246	0
Kern	2026	Industrial - Misc - Other General Industrial Equipment	Aggregate	175	Gasoline	1.95624E-06	1.79935E-06	2.15273E-06	0.000186442	1.68927E-05	0.00533593	3.82529E-07	2.89022E-07	5.30069E-08	7.16061E-08	204.4	25.55	0	4445.7
Kern	2026	Industrial - Misc - Other General Industrial Equipment	Aggregate	2	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.003811124	0
Kern	2026	Industrial - Misc - Other General Industrial Equipment	Aggregate	25	Gasoline	1.55491E-05	1.57045E-05	1.71108E-05	0.001220582	8.82241E-06	3.34897E-07	2.99679E-08	2.26424E-08	1.87118E-08	2.58292E-08	73.64	0	1.45721406	0
Kern	2026	Industrial - Misc - Other General Industrial Equipment	Aggregate	25	Diesel	1.36221E-05	1.63844E-05	1.95819E-05	5.59222E-05	0.000103536	2.38984E-07	3.4818E-06	2.63069E-06	1.42053E-09	1.22366E-09	4.865	0	0.454098721	0
Kern	2026	Industrial - Misc - Other General Industrial Equipment	Aggregate	5	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.003811124	0
Kern	2026	Industrial - Misc - Other General Industrial Equipment	Aggregate	50	Gasoline	4.50175E-05	4.14071E-05	4.95391E-05	0.00435569	0.00010303	0.030082577	2.07387E-06	1.56692E-06	3.65749E-07	4.93571E-07	1408.9	781.1	1.11	23433
Kern	2026	Industrial - Misc - Other Material Handling Equipment	Aggregate	100	Gasoline	2.91365E-05	2.67997E-05	3.20629E-05	0.001627743	0.000140331	0.035585866	2.48113E-06	1.87463E-06	3.43809E-07	4.93571E-07	1408.9	540.2	1.46	29170.8
Kern	2026	Industrial - Misc - Other Material Handling Equipment	Aggregate	50	Gasoline	1.16612E-06	1.07259E-06	1.28324E-06	9.90925E-05	2.49064E-06	0.000617534	4.25723E-08	3.21657E-08	7.50809E-09	0	0	0	0	0
Kern	2026	Industrial - Misc - Sweepers/Scrubbers	Aggregate	100	Gasoline	7.2514E-05	6.66984E-05	7.97972E-05	0.004640406	0.000470094	0.155963412	1.08741E-05	8.21602E-06	1.50682E-06	2.16736E-06	6186.75	1379.7	2.67	93819.6
Kern	2026	Industrial - Misc - Sweepers/Scrubbers	Aggregate	15	Gasoline	1.00355E-06	1.01359E-06	1.10435E-06	5.44525E-05	5.1225E-07	2.27083E-08	2.28603E-09	1.72723E-09	8.49873E-10	1.17314E-09	3.324	0	1.927313786	0
Kern	2026	Industrial - Misc - Sweepers/Scrubbers	Aggregate	15	Diesel	1.89313E-06	2.27701E-06	2.72141E-06	1.34064E-05	1.60057E-05	3.86353E-08	5.62885E-07	4.25291E-07	2.81209E-10	2.42237E-10	0.964	0	0.206924762	0
Kern	2026	Industrial - Misc - Sweepers/Scrubbers	Aggregate	175	Gasoline	5.62199E-07	5.17111E-07	6.18666E-07	6.06037E-05	5.5557E-06	0.001815646	1.30162E-07	9.8345E-08	1.80365E-08	2.42949E-08	69.35	0	0	0
Kern	2026	Industrial - Misc - Sweepers/Scrubbers	Aggregate	2	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.00270131	0
Kern	2026	Industrial - Misc - Sweepers/Scrubbers	Aggregate	25	Gasoline	1.22045E-05	1.23265E-05	1.34303E-05	0.001015621	6.92466E-06	2.78661E-07	2.49356E-08	1.88403E-08	1.554E-08	2.14509E-08	61.1	0	1.916286532	0
Kern	2026	Industrial - Misc - Sweepers/Scrubbers	Aggregate	25	Diesel	2.75184E-06	3.30987E-06	3.95582E-06	1.12971E-05	2.09158E-05	4.8278E-08	7.03371E-07	5.31436E-07	2.86968E-10	2.47196E-10	0.984	0	0.157390224	0
Kern	2026	Industrial - Misc - Sweepers/Scrubbers	Aggregate	5	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.00270131	0
Kern	2026	Industrial - Misc - Sweepers/Scrubbers	Aggregate	50	Gasoline	0.000124305	0.000114336	0.00013679	0.010830163	0.000278358	0.097236062	6.70337E-06	5.06477E-06	1.18221E-06	1.52291E-06	4347.15	1649.8	3.18	57743
Kern	2026	Industrial - Mower	Aggregate	100	Diesel	1.86605E-05	2.25792E-05	2.68711E-05	0.000224175	0.000277867	0.089368409	1.76202E-05	1.62106E-05	8.46575E-07	0	2831.542162	1876.745206	2.650920861	50143.64162
Kern	2026	Industrial - Mower	Aggregate	175	Diesel	3.6613E-06	4.43018E-06	5.27228E-06	3.13641E-05	5.00382E-05	0.027503059	1.81684E-06	1.6715E-06	2.60533E-07	0	871.4049283	473.9566434	0.591076083	17230.67677
Kern	2026	Industrial - Mower	Aggregate	300	Diesel	2.959E-07	3.58039E-07	4.26096E-07	1.29458E-06	4.6811E-06	0.001133116	1.56059E-07	1.43574E-07	1.07339E-08	0	35.90155109	14.14726314	0.015968476	704.9185616
Kern	2026	Industrial - Mower	Aggregate	50	Diesel	0.000177841	0.000215187	0.000256091	0.000817851	0.002638868	0.288576234	6.52215E-05	6.00037E-05	2.73364E-06	0	9143.228326	15570.54341	25.35880614	162337.4638
Kern	2026	Industrial - Mower	Aggregate	75	Diesel	5.22878E-05	6.32683E-05	7.52945E-05	0.000274693	0.001409384	0.192657073	2.1948E-05	2.01922E-05	1.82502E-06	0	6104.132634	6333.317775	9.628991028	108576.8503
Kern	2026	Industrial - Mower	Aggregate	9999	Diesel	1.11651E-05	1.35098E-05	1.60777E-05	3.62804E-05	0.000227611	0.051522293	6.24206E-06	5.7427E-06	4.88064E-07	0	1632.42858	78.32953501	0.127747808	32217.38536
Kern	2026	Industrial - Other General Industrial Equipment	Aggregate	100	Diesel	2.59476E-05	3.13966E-05	3.73646E-05	0.000214035	0.000323936	0.077113727	2.09614E-05	1.92845E-05	7.30488E-07	0	2443.265712	1695.986984	3.658423925	43243.70284
Kern	2026	Industrial - Other General Industrial Equipment	Aggregate	175	Diesel	5.1784E-05	6.26587E-05	7.4569E-05	0.000475718	0.000740652	0.243235734	3.19734E-05	2.94156E-05	2.30414E-06	0	7706.663254	3915.955639	5.989880188	151981.5132
Kern	2026	Industrial - Other General Industrial Equipment	Aggregate	300	Diesel	3.60744E-05	4.36501E-05	5.19472E-05	0.000169523	0.000481882	0.162378905	2.14752E-05	1.97572E-05	1.53819E-06	0	5144.801377	1521.191649	2.683650109	101477.5637
Kern	2026	Industrial - Other General Industrial Equipment	Aggregate	50	Diesel	0.000140961	0.000170562	0.000202983	0.000897423	0.001878213	0.196177142	5.73002E-05	5.27162E-05	1.85836E-06	0	6215.662233	10673.02425	23.5088966	109987.2843
Kern	2026	Industrial - Other General Industrial Equipment	Aggregate	600	Diesel	9.36238E-05	0.000113285	0.000134818	0.000546912	0.001181502	0.53593035	5.05427E-05	4.64993E-05	5.0768E-06	0	16980.37809	2929.341155	4.813577049	335243.8958
Kern	2026	Industrial - Other General Industrial Equipment	Aggregate	75	Diesel	3.44714E-05	4.17103E-05	4.96388E-05	0.000267932	0.000821614	0.106792928	2.16874E-05	1.99524E-05	1.01164E-06	0	3383.61935	3360.545571	6.883869192	59957.4495
Kern	2026	Industrial - Other General Industrial Equipment	Aggregate	750	Diesel	2.03088E-05	2.45737E-05	2.92447E-05	0.0001019	0.000267077	0.119131658	1.05117E-05	9.67074E-06	1.12852E-06	0	3774.558752	391.2576195	0.718730432	74411.64774
Kern	2026	Industrial - Other General Industrial Equipment	Aggregate	9999	Diesel	3.44901E-05	4.1733E-05	4.96658E-05	0.000133763	0.000890967	0.193106458	1.87854E-05	1.72826E-05	1.82927E-06	0	6118.370908	392.1845744	0.63873904	120816.7958
Kern	2026	Industrial - Other Truck	Aggregate	100	Diesel	1.35976E-06	1.64531E-06	1.95806E-06	1.35563E-05	2.2666E-05	0.010982902	9.54146E-07	8.77815E-07	1.0404E-07	0	347.98147	272.3523027	0.31936952	6186.930587
Kern	2026	Industrial - Other Truck	Aggregate	175	Diesel	1.28953E-05	1.56033E-05	1.85693E-05	8.8175E-05	0.000164103	0.088277061	6.47338E-06	5.95551E-06	8.36237E-07	0	2796.963948	1224.272452	1.022270033	55323.42912
Kern	2026	Industrial - Other Truck	Aggregate	300	Diesel	3.03798E-05	3.67595E-05	4.37469E-05	0.000122983	0.000391387	0.160006714	1.61188E-05	1.48293E-05	1.51572E-06	0	5069.641048	1509.80175	1.453512917	100065.1429
Kern	2026	Industrial - Other Truck	Aggregate	50	Diesel	5.44097E-06	6.58357E-06	7.83499E-06	2.09872E-05	8.77162E-05

Kern	2026	Lawn and Garden - Misc - Wood Splitters	Aggregate	25	Gasoline	4.56989E-06	4.60902E-06	5.02674E-06	0.000261324	2.04407E-06	0.000636748	2.05387E-08	1.54992E-08	1.01334E-08	1.39399E-08	39.69635985	0	0.52318808	0
Kern	2026	Lawn and Garden - Misc - Wood Splitters	Aggregate	5	Gasoline	0.000485143	0.000490067	0.000533326	0.0214469	0.000172428	0.0518834	1.68457E-06	1.2777E-06	8.50658E-07	1.17406E-06	3257.443765	0	231.501433	0
Kern	2026	Light Commercial - Misc - Air Compressors	Aggregate	100	Gasoline	0.000842485	0.000774917	0.000927103	0.041078856	0.002147207	0.774853327	5.40246E-05	4.08186E-05	7.48616E-06	1.11693E-05	31882.75	8464.35	17.5	592504.5
Kern	2026	Light Commercial - Misc - Air Compressors	Aggregate	15	Gasoline	0.058231	0.058737	0.064019	3.779303048	0.036290246	7.558829815	0.00013198	0.00009971	0.00013053	0.00017983	511006.4974	0	4795.079999	0
Kern	2026	Light Commercial - Misc - Air Compressors	Aggregate	15	Diesel	0.00000971	0.00001167	0.00001398	0.0000603	0.0000732	0.00984	0.000002738	0.000002074	9.45E-08	8.14E-08	323.7290876	0	1.223505554	0
Kern	2026	Light Commercial - Misc - Air Compressors	Aggregate	15	Electric	0	0	0	0	0	0	0	0	0	0	0	0	58915.43461	0
Kern	2026	Light Commercial - Misc - Air Compressors	Aggregate	175	Gasoline	8.27279E-05	7.60931E-05	9.1037E-05	0.003569733	0.000295516	0.097045214	6.95711E-06	5.25648E-06	9.64043E-07	1.35924E-06	3879.95	547.5	1.12	73365
Kern	2026	Light Commercial - Misc - Air Compressors	Aggregate	25	Gasoline	0.00081938	0.00082798	0.00090194	0.119119	0.00122081	0.183970493	3.0545E-06	2.3073E-06	3.5457E-06	4.9012E-06	13945.93239	0	49.62872371	0
Kern	2026	Light Commercial - Misc - Air Compressors	Aggregate	25	Diesel	0.0000405	0.00004872	5.83E-05	0.0001644	0.0003055	0.03953	0.00001087	0.00000821	3.781E-07	3.264E-07	1296.743492	0	2.457541397	0
Kern	2026	Light Commercial - Misc - Air Compressors	Aggregate	25	Electric	0	0	0	0	0	0	0	0	0	0	0	0	312.1443405	0
Kern	2026	Light Commercial - Misc - Air Compressors	Aggregate	5	Gasoline	0.012338	0.012461	0.013577	0.503117108	0.0037493	1.205702674	0.000019241	0.000014506	1.9468E-05	2.6871E-05	76056.48304	0	1807.312678	0
Kern	2026	Light Commercial - Misc - Air Compressors	Aggregate	5	Electric	0	0	0	0	0	0	0	0	0	0	0	0	22205.8051	0
Kern	2026	Light Commercial - Misc - Air Compressors	Aggregate	50	Gasoline	0.000273113	0.00025121	0.000300544	0.021837936	0.000369273	0.120836047	8.33033E-06	6.29403E-06	1.46915E-06	2.06507E-06	5894.75	2613.4	5.4	91469
Kern	2026	Light Commercial - Misc - Air Compressors	Aggregate	50	Diesel	0.000259261	0.000308542	0.000373336	0.002643842	0.001982728	0.310387407	6.27079E-05	5.76913E-05	3.8955E-06	2.53981E-06	10095.9	9884.2	12.13	365715.4
Kern	2026	Light Commercial - Misc - Gas Compressors	Aggregate	100	Nat Gas	0	0	9.80809E-05	0.050925246	0.003864704	1.21810209	0	0	0	0	67400.9	6964.2	0.82	612849.6
Kern	2026	Light Commercial - Misc - Gas Compressors	Aggregate	175	Nat Gas	0	0	2.73554E-05	0.010358989	0.001034176	0.317015111	0	0	0	0	17311.95	1120.55	0.13	163600.3
Kern	2026	Light Commercial - Misc - Gas Compressors	Aggregate	300	Nat Gas	0	0	2.10428E-05	0.011919934	0.000999872	0.32672482	0	0	0	0	17928.8	897.9	0.11	188559
Kern	2026	Light Commercial - Misc - Gas Compressors	Aggregate	50	Nat Gas	0	0	1.79871E-05	0.0031845	0.000653083	0.216764002	0	0	0	0	11515.75	3368.95	0.41	107806.4
Kern	2026	Light Commercial - Misc - Gas Compressors	Aggregate	600	Nat Gas	0	0	2.96353E-05	0.016787238	0.001408153	0.460137525	0	0	0	0	25247.05	784.75	0.1	265245.5
Kern	2026	Light Commercial - Misc - Generator Sets	Aggregate	100	Gasoline	0.000285859	0.000262933	0.000314571	0.012442916	0.001725618	0.519535952	3.62233E-05	2.73687E-05	5.01944E-06	7.16317E-06	20447.3	3927.4	34.29	325974.2
Kern	2026	Light Commercial - Misc - Generator Sets	Aggregate	100	Nat Gas	0	0	1.39932E-06	0.001063597	0.000105714	0.033684793	0	0	0	0	1821.35	295.65	2.54	24538.95
Kern	2026	Light Commercial - Misc - Generator Sets	Aggregate	15	Gasoline	0.047865371	0.048351685	0.052652882	2.990798941	0.025296403	7.718651011	0.000134904	0.000101963	0.000119766	0.000165344	469410.9017	0	10869.98771	0
Kern	2026	Light Commercial - Misc - Generator Sets	Aggregate	15	Diesel	0.000508	0.000611	0.00073	0.003534	0.004295	0.575561642	0.0001619	0.000122	0.00000552	0.00000475	18910.01113	0	121.9977487	0
Kern	2026	Light Commercial - Misc - Generator Sets	Aggregate	175	Gasoline	2.88873E-05	2.65706E-05	3.17887E-05	0.002700347	0.000298595	0.083979185	6.02041E-06	4.54876E-06	8.34245E-07	1.17127E-06	3343.4	368.65	3.21	53822.9
Kern	2026	Light Commercial - Misc - Generator Sets	Aggregate	175	Nat Gas	0	0	1.54664E-06	0.001273281	0.000143692	0.049121466	0	0	0	0	2657.2	259.15	2.08	37835.9
Kern	2026	Light Commercial - Misc - Generator Sets	Aggregate	2	Gasoline	0.14371628	0.145049317	0.15813327	2.821819701	0.042596414	6.223297646	0.00027291	0.000206279	0.000108231	0.000149385	416197.017	0	26242.90544	0
Kern	2026	Light Commercial - Misc - Generator Sets	Aggregate	2	Electric	0	0	0	0	0	0	0	0	0	0	0	0	7945.162455	0
Kern	2026	Light Commercial - Misc - Generator Sets	Aggregate	25	Gasoline	0.001685887	0.001702863	0.001854625	0.177224952	0.000976469	0.277756015	4.71439E-06	3.55723E-06	5.32669E-06	7.34829E-06	20962.32275	0	208.4381421	0
Kern	2026	Light Commercial - Misc - Generator Sets	Aggregate	25	Diesel	0.000736	0.000886	0.001058	0.00303	0.00562	0.727169304	0.0002013	0.0001522	6.96E-06	0.00000599	23832.09441	0	89.23486996	0
Kern	2026	Light Commercial - Misc - Generator Sets	Aggregate	5	Gasoline	0.0143496	0.0144872	0.0157729	0.718265146	0.00331748	1.540529401	0.00002996	2.26679E-05	2.62114E-05	3.62381E-05	101421.5727	0	6008.956123	0
Kern	2026	Light Commercial - Misc - Generator Sets	Aggregate	50	Gasoline	0.001350032	0.001241759	0.001485628	0.092119046	0.002912221	1.0489101	7.23109E-05	5.46349E-05	1.27528E-05	1.58876E-05	45351.25	20367	177.39	651744
Kern	2026	Light Commercial - Misc - Generator Sets	Aggregate	50	Diesel	0.000485848	0.0005782	0.000699621	0.005647728	0.00508465	0.854406984	0.00014095	0.000129674	1.07818E-05	6.99137E-06	27791.1	19899.8	58.96	656693.4
Kern	2026	Light Commercial - Misc - Pressure Washers	Aggregate	15	Gasoline	0.0174578	0.0176292	0.019216304	1.438591645	0.0090181	2.85087034	4.8244E-05	3.64287E-05	4.9116E-05	0.000067768	192919.0668	0	6448.374964	0
Kern	2026	Light Commercial - Misc - Pressure Washers	Aggregate	15	Diesel	0.000004824	5.81E-06	6.95E-06	3.362E-05	0.00004086	0.00547	0.000001534	0.000001159	5.253E-08	4.528E-08	180.0257546	0	5.650763214	0
Kern	2026	Light Commercial - Misc - Pressure Washers	Aggregate	15	Electric	0	0	0	0	0	0	0	0	0	0	0	0	12216.58912	0
Kern	2026	Light Commercial - Misc - Pressure Washers	Aggregate	2	Gasoline	8.6689E-06	8.7549E-06	9.5337E-06	0.00016648	2.99506E-06	0.000380823	6.1821E-09	4.6751E-09	6.4871E-09	8.9421E-09	25.09347462	0	4.711402151	0
Kern	2026	Light Commercial - Misc - Pressure Washers	Aggregate	2	Electric	0	0	0	0	0	0	0	0	0	0	0	0	8.925858402	0
Kern	2026	Light Commercial - Misc - Pressure Washers	Aggregate	25	Gasoline	0.000274661	0.000277797	0.000301905	0.0252465	0.00013704	0.049988	8.4652E-07	6.4021E-07	8.5812E-07	1.18354E-06	3380.271879	0	42.78458907	0
Kern	2026	Light Commercial - Misc - Pressure Washers	Aggregate	25	Diesel	0.000001864	0.000002234	0.000002675	0.00000763	0.00001423	0.001841	5.056E-07	3.817E-07	1.756E-08	1.521E-08	60.31756162	0	1.298632776	0
Kern	2026	Light Commercial - Misc - Pressure Washers	Aggregate	25	Electric	0	0	0	0	0	0	0	0	0	0	0	0	81.05626243	0
Kern	2026	Light Commercial - Misc - Pressure Washers	Aggregate	5	Gasoline	0.026155461	0.0263657	0.0287737	1.270534245	0.0107741	2.908369124	0.000047247	3.56537E-05	0.000047622	0.000065771	186343.2463	0	16850.88566	0
Kern	2026	Light Commercial - Misc - Pressure Washers	Aggregate	5	Electric	0	0	0	0	0	0	0	0	0	0	0	0	31924.37593	0
Kern	2026	Light Commercial - Misc - Pressure Washers	Aggregate	50	Gasoline	1.19139E-05	1.09584E-05	1.31106E-05	0.000850588	2.00931E-05	0.010620157	7.32144E-07	5.53176E-07	1.29122E-07	1.52163E-07	434.35	197.1	1.6	5715.9
Kern	2026	Light Commercial - Misc - Pressure Washers	Aggregate	50	Diesel	1.60933E-06	1.91523E-06	2.31743E-06	2.29455E-05	2.34051E-05	0.003029812	5.40905E-07	4.97633E-07	5.18067E-08	2.47921E-08	98.55	208.05	1.39	7905.9
Kern	2026	Light Commercial - Misc - Pumps	Aggregate	100	Gasoline	0.000312714	0.000287634	0.000344123	0.016436739	0.000837982	0.595376141	4.15111E-05	3.13639E-05	5.75216E-06	8.25005E-06	23549.8	3971.2	17.96	369321.6
Kern	2026	Light Commercial - Misc - Pumps	Aggregate	15	Gasoline	0.006171	0.0062293	0.006789	0.400825532	0.0035094	0.92699278	1.55732E-05	1.17865E-05	1.50575E-05	2.0741E-05	58873.27311	0	1503.465456	0
Kern	2026	Light Commercial - Misc - Pumps	Aggregate	15	Diesel	0.0003718	0.0004467	0.0005339	0.002296	0.002799	0.374828789	0.000106	0.0000801	0.000003596	0.000003094	12321.48251	0	91.62740241	0
Kern	2026	Light Commercial - Misc - Pumps	Aggregate	175	Gasoline	1.18003E-05	1.08539E-05	1.29855E-05	0.000891002	4.13423E-05	0.02702923	1.93771E-06	1.46405E-06	2.68507E-07	3.75932E-07	1073.1	102.2	0.57	14716.8
Kern	2026	Light Commercial - Misc - Pumps	Aggregate	2	Gasoline	0.00248004	0.00250465	0.00272426	0.024058	0.000170209	0.069843	9.3351E-07	7.05118E-07	1.14685E-06	1.58281E-06	4342.757681	0	544.962416	0
Kern	2026	Light Commercial - Misc - Pumps	Aggregate	2	Electric	0	0	0	0	0	0	0	0	0	0	0	0	42956.31715	0
Kern	2026	Light Commercial - Misc - Pumps	Aggregate	25	Gasoline	4.5815E-05	4.6234E-05	0.000050403	0.0033048	0.000033308	0.00763	1.30567E-07	9.8634E-08	1.23048E-07	1.70177E-07	484.2184918	0	5.006525769	0
Kern	2026	Light Commercial - Misc - Pumps	Aggregate	25	Diesel	0.0003019	0.0003633	0.0004344	0.001222	0.00227	0.293879229	0.0000812	0.0000614	0.000002811	0.000002418	9633.075699	0	27.36868614	0
Kern	2026	Light Commercial - Misc - Pumps	Aggregate	5	Gasoline	0.0047544	0.0047985	0.0052217	0.212822694	0.00160454	0.501898322	7.9553E-06	6.0197E-06	8.2106E-06	1.13354E-05	31813.5064	0	1650.657879	0
Kern	2026	Light Commercial - Misc - Pumps	Aggregate	50	Gasoline	0.00020566	0.000189166	0.000226316	0.016378834	0.000324633	0.158357156	1.0917E-05	8.2484E-06	1.92533E-06	2.44995E-06	6993.4	3128.05	14.17	96969.55
Kern	2026	Light Commercial - Misc - Pumps	Aggregate	50	Diesel	0.000313879	0.000373543	0.000451986	0.003476888	0.003017976	0.500592272	8.80396E-05	8.09965E-05	6.31044E-06	4.0962E-06	16282.65	10391.55	25.82	384487.35
Kern	2026	Light Commercial - Misc - Welders	Aggregate	100	Gasoline	0.000368313	0.000338774	0.000405306	0.015581153	0.001068202	0.498791041	3.47769E-05	2.62759E-05	4.81902E-06	6.95347E-06	19848.7	5989.65	28.76	419275.5
Kern	2026	Light Commercial - Misc - Welders	Aggregate	15	Gasoline	0.0312441	0.0317046	0.0344195	1.835758224	0.01440455	3.341390361	0.000088297	6.67664E-05	0.00006039	8.31739E-05	236294.5729	0	4917.576703	0
Kern	2026	Light Commercial - Misc - Welders	Aggregate	15	Diesel	0.0002235	0.0002699	0.0003216	0.001387	0.001693	0.226100191	0.0000639	4.835E-05	0.000002172	0.000001866	7430.923442	0	41.42056677	0
Kern	2026	Light Commercial - Misc - Welders	Aggregate	15	Electric	0	0	0	0	0	0	0	0	0	0	0	0	21002.76331	0
Kern	2026	Light Commercial - Misc - Welders	Aggregate	175	Gasoline	3.33812E-05	3.0704E-05	3.6734E-05	0.002068212	0.000147859	0.062103205	4.45214E-06	3.36384E-06	6.1693E-07	8.66946E-07	2474.7	386.9	1.93	50297
Kern	2026	Light Commercial - Misc - Welders	Aggregate	25	Diesel	0.0003719	0.0004468	0.000535	0.001509	0.002798	0.361804647	1E-04	0.0000756	0.000003461	0.000002982	11858.56329	0	36.46052989	0
Kern	2026	Light Commercial - Misc - Welders	Aggregate	50	Gasoline	0.000504801	0.000464316	0.000555503	0.035072805	0.000800732	0.317737253	2.19045E-05	1.65501E-05	3.86311E-06	4.96512E-06	14172.95	5850.95	28.13	263292.75
Kern	2026	Light Commercial - Misc - Welders	Aggregate	50	Diesel	0.001093309	0.001301128	0.001574365	0.011339353	0.008926698	1.424236071	0.000280772	0.00025831	1.79031E-05	1.16541E-05	46325.8	38985.65	60.67	1793339.9
Kern	2026	Locomotive - Industrial/Military	Aggregate	0	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	38017
Kern	2026	Locomotive - Line haul	Aggregate	0	Diesel	0.203864	0.247	0.294	1.434	5.892	0	0.133	0.122	0.005	0.005	0	0	0	0
Kern	2026	Locomotive - Passenger	Aggregate	0	Diesel	0.003072588	0.00000161	0.00000192	0.01284477	0.05736292	5.304746402	0.001315326	0.0012101	0.000049	0.0000433	0	0	0	0
Kern	2026	Locomotive - Short line	Aggregate	0	Diesel	0.003629919	0.000000485	0.000000577	0.011663764	0.098169409	5.812770671	0.001661953	0.001528996	0.0000515	0.0000474	0	0	0	0
Kern	2026	Locomotive - Switcher	Aggregate	0	Diesel	0.006490281	0.00000113	0.00000134	0.017388112	0.101588854	6.379891915	0.002177779	0.002003556	0.0000585	0.0000521	0	0	0	0
Kern	2026	Military Tactical Support - Misc - A/C Unit	Aggregate	100	Diesel	4.64507E-06	5.52802E-06	6.68891E-06	0.000101168	6.30613E-05	0.017842226	2.21959E-06	2.04203E-06	2.03958E-07	1.45998E-07	580.35	167.9	0.53	16957.9
Kern	2026	Military Tactical Support - Misc - A/C Unit	Aggregate	300	Diesel	2.47274E-06	2.94277E-06	3.56075E-06	2.60777E-05	2.3576E-05	0.01514906	6.44801E-07	5.93217E-07	1.68196E-07	1.2396E-07	492.75	58.4	0.17	12147.2
Kern	2026	Military Tactical Support - Misc - A/C Unit	Aggregate	600	Diesel	1.44741E-06	1.72253E-06	2.08427E-06	1.53333E-05	1.30868E-05	0.009089436	3.76386E-07	3.46276E-07	8.78476E-08	7.43763E-08	295.65	0	0.09	0
Kern	2026	Military Tactical Support - Misc - Aircraft Support	Aggregate	100	Diesel	8.5016E-07	1.01176E-06	1.22423E-06	1.85161E-05	1.15417E-05	0.003142027	4.06239E-07	3.7374E-07	3.73293E-08	2.57103E-08	102.2	58.4	0.16	3971.2
Kern	2026	Military Tactical Support - Misc - Aircraft Support	Aggregate	175	Diesel	1.89427E-06	2.25434E-06	2.72775E-06	4.78888E-05	1.89229E-05	0.009313867	7.3856E-07	6.79476E-07	1.05311E-07	7.62127E-08	302.95	58.4	0.17	8176
Kern	2026	Military Tactical Support - Misc - Cart	Aggregate	100	Diesel	4.3401E-07	5.16508E-07	6.24975E-07	9.45256E-06	5.89211E-06	0.001795444	2.07387E-07	1.90796E-07	1.90567E-08	1.46916E-08	58.4	0	0	0
Kern	2026	Military Tactical Support - Misc - Cart	Aggregate	175	Diesel	1.55262E-07	1.84775E-07	2.23578E-07	3.92517E-06	1.551E-06	0	6.05356E-08	5.56927E-08	8.63171E-09	0	0	0	0	0
Kern	2026	Military Tactical Support - Misc - Cart	Aggregate	300	Diesel	5.44645E-07	6.48172E-07	7.84289E-07	5.74387E-06	5.19284E-06	0.003254243	1.42023E-07	1.30662E-07	3.70468E-08	2.66285E-08	105.85	0	0	0
Kern	2026	Military Tactical Support - Misc - Communications	Aggregate	100	Diesel	2.14326E-07	2.55066E-07	3.0863E-07	4.66793E-06	2.90968E-06	0	1.02413E-07	9.42201E-08	9.41074E-09	0	0	0	0	0
Kern	2026	Military Tactical Support - Misc - Communications	Aggregate	50	Diesel	1.25374E-07	1.49205E-07	1.80538E-07	1.70899E-06	1.59198E-06	0	3.69583E-08	3.40017E-08	3.45701E-09	0	0	0	0	0
Kern	2026	Military Tactical Support - Misc - Compressor	Aggregate	100	Diesel	4.78706E-06	5.697E-06	6.89337E-06	0.00010426	6.4989E-05	0.018291087	2.28744E-06	2.10445E-06	2.10193E-07	1.49671E-07	594.95	248.2	0.81	17622.2
Kern	2026	Military Tactical Support - Misc - Compressor	Aggregate	175	Diesel	2.25959E-07	2.6891E-07	3.25381E-07	5.71245E-06	2.25723E-06	0.001458798	8.80997E-08	8.10517E-08	1.25621E-08	1.19369E-08	47.45	0	0	0
Kern	2026	Military Tactical Support - Misc - Compressor	Aggregate	300	Diesel	4.93222E-07	5.86974E-07	7.10239E-07	5.20155E-06	4.70255E-06	0.002805381	1.28614E-07	1.18325E-07	3.3549E-08	2.29556E-08	91.25	0	0	0
Kern	2026	Military Tactical Support - Misc - Compressor	Aggregate	50	Diesel	1.53583E-07	1.82776E-07	2.21159E-07	2.09352E-06	1.95018E-06	0	4.5274E-08	4.1652E-08	4.23483E-09	0	0	0	0	0
Kern	2026	Military Tactical Support - Misc - Compressor	Aggregate	600	Diesel	2.82292E-06	3.35951E-06	4.065E-06	2.9905E-05	2.55236E-05	0.017617796	7.34077E-07	6.75351E-07	1.71331E-07	1.44161E-07	573.05	58.4	0.16	21783.2
Kern	2026	Military Tactical Support - Misc - Crane	Aggregate	100	Diesel	4.20391E-07	5.003E-07	6.05363E-07	1.575E-05	6.98626E-06	0.002917597	6.15642E-08	5.6639E-08	3.29376E-08	2.38739E-08	94.9	32.85	0.09	3449.25
Kern	2026	Military Tactical Support - Misc - Crane	Aggregate	175	Diesel	7.69379E-08	9.15625E-08	1.10791E-07	3.50991E-06	4.44315E-07	0.001009937	1.33237E-08	1.22578E-08	7.95471E-09	8.26403E-09	32.85	0	0	0
Kern	2026	Military Tactical Support - Misc - Crane	Aggregate	300	Diesel	7.54108E-08	8.97451E-08	1.08592E-07	1.21004E-06	3.78456E-07	0.001009937	1.19733E-08	1.10154E-08	8.04874E-09	8.26403E-09	32.85	0	0	0
Kern	2026	Military Tactical Support - Misc - Deicer	Aggregate	100	Diesel	1.96466E-07	2.3381E-07	2.82911E-07	4.27894E-06	2.66721E-06	0	9.38788E-08	8.63685E-08	8.62651E-09	0	0	0	0	0
Kern	2026	Military Tactical Support - Misc - Generator	Aggregate	100	Diesel	2.49047E-05	2.96387E-05	3.58628E-05	0.000542414	0.000338105	0.095270755	1.19004E-05	1.09484E-05	1.09353E-06	7.79573E-07	3098.85	1091.35	3.63	90582.05
Kern	2026	Military Tactical Support - Misc - Generator	Aggregate	175	Diesel	2.6901E-05	3.20144E-05	3.87374E-05	0.00068008	0.000268729	0.135331603	1.04885E-05	9.6494E-06	1.49554E-06	1.10738E-06	4401.9	879.65	2.94	129308.55
Kern	2026	Military Tactical Support - Misc - Generator	Aggregate	300	Diesel	8.81634E-06	1.04922E-05	1.26955E-05	9.29778E-05	8.40581E-05	0.054312185	2.29898E-06	2.11506E-06	5.99688E-07	4.44421E-07	1766.6	233.6	0.77	52092.8
Kern	2026	Military Tactical Support - Misc - Generator	Aggregate	50	Diesel	8.0396E-07	9.56778E-07	1.1577E-06	1.09589E-05	1.02086E-05	0.001795444	2.36995E-07	2.18036E-07	2.2168E-08	1.46916E-08	58.4	54.75	0.16	2080.5
Kern	2026	Military Tactical Support - Misc - Generator	Aggregate	600	Diesel	5.45555E-06	6.49256E-06	7.85599E-06	5.77942E-05	4.93267E-05	0.034225654	1.41867E-06	1.30518E-06	3.31114E-07	2.80059E-07	1113.25	83.95	0.32	29214.6
Kern	2026	Military Tactical Support - Misc - Generator	Aggregate	750	Diesel	2.90511E-07	3.45732E-07	4.18336E-07	3.05768E-06	2.65891E-06	0.001795444	7.58947E-08	6.98231E-08	1.79453E-08	1.46916E-08	58.4	0	0	0
Kern	2026	Military Tactical Support - Misc - Hydraulic Unit	Aggregate	100	Diesel	2.84205E-06	3.38228E-06	4.09256E-06	6.18987E-05	3.85836E-05	0.01088488	1.35804E-06	1.2494E-06	1.2479E-07	8.90679E-08	354.05	105.85	0.34	10055.75
Kern	2026	Military Tactical Support - Misc - Lift	Aggregate	100	Diesel	8.48374E-08	1.00964E-07	1.22166E-07	1.84772E-06	1.15175E-06	0	4.05386E-08	3.72955E-08	3.72508E-09	0	0	0	0	0
Kern	2026	Military Tactical Support - Misc - Light	Aggregate	50	Diesel	1.95897E-07	2.33133E-07	2.82091E-07	2.6703E-06	2.48748E-06	0	5.77474E-08	5.31276E-08	5.40157E-09	0	0	0	0	0
Kern	2026	Military Tactical Support - Misc - Other Tactical Support Equipment	Aggregate	100	Diesel	5.64392E-07	6.71673E-07	8.12725E-07	1.22922E-05	7.66217E-06	0.001795444	2.69688E-07	2.48113E-07	2.47816E-08	1.46916E-08	58.4	0	0.06	0
Kern	2026	Military Tactical Support - Misc - Other Tactical Support Equipment	Aggregate	175	Diesel	8.01005E-07	9.53262E-07	1.15345E-06	2.02501E-05	8.00169E-06	0.003815319	3.12306E-07	2.87321E-07	4.45314E-08	3.12197E-08	124.1	0	0.06	0
Kern	2026	Military Tactical Support - Misc - Other Tactical Support Equipment	Aggregate	300	Diesel	3.61622E-07	4.3036E-07	5.20736E-07	3.81369E-06	3.44784E-06	0.001795444	9.42978E-08	8.6754E-08	2.45976E-08	1.46916E-08	58.4	0	0	0
Kern	2026	Military Tactical Support - Misc - Other Tactical Support Equipment	Aggregate	50	Diesel	3.91793E-08	4.66266E-08	5.64182E-08	5.3406E-07	4.97495E-07	0	1.15495E-08	1.06255E-08	1.08031E-09	0	0	0	0	0
Kern	2026	Military Tactical Support - Misc - Other Tactical Support Equipment	Aggregate	600	Diesel	1.45957E-07	1.73701E-07	2.10178E-07	1.54622E-06	1.31968E-06	0.000224431	3.79549E-08	3.49185E-08	8.85858E-09	1.83645E-09	7.3	0	0	0
Kern	2026	Military Tactical Support - Misc - Other Tactical Support Equipment	Aggregate	750	Diesel	1.70303E-07	2.02674E-07	2.45236E-07	1.79247E-06	1.5587E-06	0.001122153	4.44908E-08	4.09316E-08	1.05199E-08	9.18225E-09	36.5	0	0	0
Kern	2026	Military Tactical Support - Misc - Pressure Washers	Aggregate	175	Diesel	1.54248E-07	1.83567E-07	2.22116E-07	3.89951E-06	1.54087E-06	0	6.01399E-08	5.53287E-08	8.57529E-09	0	0	0	0	0
Kern	2026	Military Tactical Support - Misc - Pump	Aggregate	100	Diesel	2.00931E-06	2.39124E-06	2.8934E-06	4.37619E-05	2.72783E-05	0.007630638	9.60124E-07	8.83314E-07	8.82257E-08	6.24393E-08	248.2	58.4	0.18	5840
Kern	2026	Military Tactical Support - Misc - Pump	Aggregate	50	Diesel	1.77247E-06	2.10939E-06	2.55236E-06	2.41609E-05	2.25067E-05	0.003703104	5.22498E-07	4.80699E-07	4.88734E-08	3.03014E-08	120.45	83.95	0.32	3274.05
Kern	2026	Military Tactical Support - Misc - Start Cart	Aggregate	100	Diesel	4.46513E-08	5.31387E-08	6.42978E-08	9.72486E-07	6.06184E-07	0	2.13361E-08	1.96292E-08	1.96057E-09	0	0	0	0	0
Kern	2026	Military Tactical Support - Misc - Start Cart	Aggregate	600	Diesel	7.64923E-08	9.10322E-08	1.10149E-07	8.10332E-07	6.9161E-07	0	1.98912E-08	1.82999E-08	4.64255E-09	0	0	0	0	0
Kern

Kern	2026	Portable Equipment - Rental Compressor	Aggregate	300	Diesel	5.71434E-05	6.91436E-05	8.22865E-05	0.00055	0.000679161	0.283093869	2.64171E-05	2.43037E-05	2.62231E-06	2.31648E-06	9208.129338	2203.392597	4.001638993	569648.2081
Kern	2026	Portable Equipment - Rental Compressor	Aggregate	600	Diesel	0.000170678	0.00020652	0.000245776	0.001906151	0.001082481	0.992185626	5.15305E-05	4.74081E-05	9.19156E-06	8.11877E-06	32272.59428	3862.86066	7.015442398	1996499.488
Kern	2026	Portable Equipment - Rental Compressor	Aggregate	75	Diesel	2.07087E-05	2.50575E-05	2.98205E-05	0.000415639	0.000307169	0.062299124	3.23709E-06	2.97812E-06	5.76836E-07	5.09776E-07	2026.38933	2084.859164	3.786367321	125359.7781
Kern	2026	Portable Equipment - Rental Compressor	Aggregate	750	Diesel	0.000349887	0.000423363	0.000503837	0.003229079	0.001114317	1.546567297	7.64559E-05	7.03394E-05	1.43248E-05	1.26551E-05	50304.83974	4330.348098	7.864458576	3112039.456
Kern	2026	Portable Equipment - Rental Compressor	Aggregate	9999	Diesel	5.82545E-05	7.04879E-05	8.38865E-05	0.000591262	0.000940835	0.291036613	1.18472E-05	1.08994E-05	2.6959E-06	2.38147E-06	9466.481151	780.9913996	1.418378932	585630.7863
Kern	2026	Portable Equipment - Rental Generator	Aggregate	100	Diesel	0.001113237	0.001347016	0.001603061	0.032898842	0.010215649	4.452195608	0.000915507	0.000842267	4.12345E-05	3.6431E-05	144815.5453	94213.45413	62.74666437	8958813.769
Kern	2026	Portable Equipment - Rental Generator	Aggregate	175	Diesel	0.001310305	0.001585469	0.001886839	0.033683419	0.00687763	5.267657733	0.000274989	0.00025299	4.87872E-05	4.31037E-05	171339.8948	73943.72477	49.24691619	10599706.03
Kern	2026	Portable Equipment - Rental Generator	Aggregate	300	Diesel	0.001600365	0.001936441	0.002304525	0.01422493	0.00348272	6.314183217	0.000188511	0.000173431	5.84789E-05	5.16672E-05	205379.9892	56299.09293	37.49549702	12705549.47
Kern	2026	Portable Equipment - Rental Generator	Aggregate	600	Diesel	0.002011268	0.002433635	0.002896226	0.017951867	0.004429762	8.594556616	0.000264087	0.00024296	7.96036E-05	7.03268E-05	279553.1717	46203.50064	30.77177855	17294171
Kern	2026	Portable Equipment - Rental Generator	Aggregate	75	Diesel	0.000623129	0.000753986	0.000897306	0.010008416	0.007264094	1.391916116	0.000136209	0.000125312	1.28831E-05	1.13897E-05	45274.53623	42856.42695	28.54260957	2800846.675
Kern	2026	Portable Equipment - Rental Generator	Aggregate	750	Diesel	0.000264419	0.000319947	0.000380764	0.002355027	0.00173506	1.156922024	9.27021E-05	8.52859E-05	1.07157E-05	9.46676E-06	37630.93731	3555.509568	2.367988389	2327985.981
Kern	2026	Portable Equipment - Rental Generator	Aggregate	9999	Diesel	0.001811173	0.002191519	0.002608089	0.014352882	0.029655249	7.008630114	0.000747223	0.000687445	6.49094E-05	5.73496E-05	227968.1041	10343.30056	6.888693496	14102932.01
Kern	2026	Portable Equipment - Rental Other Portable Equipment	Aggregate	100	Diesel	0.000170352	0.000206126	0.000245307	0.003765046	0.002216214	0.521408292	0.000176443	0.000162327	4.82788E-06	4.26653E-06	16959.72793	11955.34696	9.206385246	1049190.153
Kern	2026	Portable Equipment - Rental Other Portable Equipment	Aggregate	175	Diesel	0.000706144	0.000854434	0.001016847	0.01562069	0.006119457	2.46126379	0.000295515	0.000271874	2.27925E-05	2.01398E-05	80056.96275	37757.57794	29.0757608	4952613.468
Kern	2026	Portable Equipment - Rental Other Portable Equipment	Aggregate	300	Diesel	0.000227551	0.000275337	0.000327674	0.002058869	0.000397744	0.919345927	2.58671E-05	2.37978E-05	8.51469E-06	7.52274E-06	29903.35411	8156.598156	6.281104612	1849929.715
Kern	2026	Portable Equipment - Rental Other Portable Equipment	Aggregate	50	Diesel	9.28993E-06	1.12408E-05	1.33775E-05	0.000134188	9.08825E-05	0.0130254	2.9198E-06	2.68621E-06	1.20455E-07	1.06583E-07	423.6742029	559.1005498	0.430543344	23576.1696
Kern	2026	Portable Equipment - Rental Other Portable Equipment	Aggregate	600	Diesel	0.000163629	0.000197991	0.000235626	0.001474819	0.000384709	0.701196576	2.54194E-05	2.33858E-05	6.49456E-06	5.73769E-06	22807.66021	3354.603299	2.583260061	1410964.409
Kern	2026	Portable Equipment - Rental Other Portable Equipment	Aggregate	75	Diesel	0.000295989	0.000358147	0.000426225	0.005644711	0.004139942	0.833248143	4.14633E-05	3.81463E-05	7.71459E-06	6.81823E-06	27102.87123	25439.07502	19.58972213	1676681.709
Kern	2026	Portable Equipment - Rental Other Portable Equipment	Aggregate	750	Diesel	0.000130232	0.00015758	0.000187533	0.000766458	0.001286682	0.371481182	6.87798E-05	6.32774E-05	3.43939E-06	3.03972E-06	12083.0832	1118.2011	0.861086687	747503.2597
Kern	2026	Portable Equipment - Rental Other Portable Equipment	Aggregate	9999	Diesel	0.000651231	0.00078799	0.000937773	0.005975907	0.011040544	2.857145487	0.0001775	0.0001633	2.64637E-05	2.33792E-05	92933.71591	6364.341461	4.900951811	5749216.024
Kern	2026	Portable Equipment - Rental Pump	Aggregate	100	Diesel	0.000640372	0.00077485	0.000922136	0.017411508	0.007041247	2.42107014	0.000590217	0.000543	2.2422E-05	1.98109E-05	78749.59312	53200.26455	52.5142174	4871734.851
Kern	2026	Portable Equipment - Rental Pump	Aggregate	175	Diesel	0.001800495	0.002178599	0.002592713	0.055258817	0.012141811	9.195690823	0.000451393	0.000415282	8.51819E-05	7.52457E-05	299106.1262	126992.144	125.3545093	18503787.53
Kern	2026	Portable Equipment - Rental Pump	Aggregate	300	Diesel	0.002916452	0.003528907	0.0041996 9	0.027706196	0.020041589	13.36487191	0.000813955	0.000748839	0.000123793	0.000109361	434716.1231	116585.2536	115.0818216	26893112.76
Kern	2026	Portable Equipment - Rental Pump	Aggregate	50	Diesel	6.09545E-05	7.3755E-05	8.77745E-05	0.000955927	0.000582376	0.107232997	5.36259E-06	4.93359E-06	9.92126E-07	8.77457E-07	3487.943107	3925.51176	3.874890092	194093.3332
Kern	2026	Portable Equipment - Rental Pump	Aggregate	600	Diesel	0.003008514	0.003640301	0.004332259	0.024960266	0.022941768	12.42939213	0.000984537	0.000905774	0.000115119	0.000101706	404287.987	60859.70141	60.07488153	25010718.13
Kern	2026	Portable Equipment - Rental Pump	Aggregate	75	Diesel	0.0004693	0.000567853	0.000675792	0.010399794	0.008086173	1.601275465	0.000161438	0.000148523	1.48283E-05	1.31028E-05	52084.31975	44387.22585	43.81482776	3222124.53
Kern	2026	Portable Equipment - Rental Pump	Aggregate	750	Diesel	0.000132314	0.0001601	0.000190533	0.001091481	0.001542659	0.560784777	8.41914E-05	7.74561E-05	5.19401E-06	4.58874E-06	18240.51783	1744.671894	1.722173374	1128424.451
Kern	2026	Portable Equipment - Rental Pump	Aggregate	9999	Diesel	4.86352E-05	5.88486E-05	7.00347E-05	0.000878889	0.002716691	0.483898657	5.60741E-05	5.15881E-05	4.48385E-06	3.9596E-06	15739.66064	218.0839867	0.215271672	973712.3741
Kern	2026	Recreational Vehicles - All Terrain Vehicles (Atvs) Active	Aggregate	120	Gasoline	0.013424	0.013565836	0.014762	0.299248479	0.007170258	5.532082426	0.00070055	0.00052946	6.82574E-05	7.94612E-05	225620.0335	0	5689.523194	0
Kern	2026	Recreational Vehicles - All Terrain Vehicles (Atvs) Active	Aggregate	15	Gasoline	0.007047	0.007113	0.00775	0.088442789	0.001831973	1.282997096	0.0002066	0.0001564	1.78353E-05	1.92131E-05	53955.74014	0	2237.927721	0
Kern	2026	Recreational Vehicles - All Terrain Vehicles (Atvs) Active	Aggregate	25	Gasoline	0.004290105	0.004330106	0.004730115	0.0384411	0.000726848	0.517491423	9.63013E-05	7.2801E-05	7.49887E-06	7.89388E-06	22114.57721	0	1076.647209	0
Kern	2026	Recreational Vehicles - All Terrain Vehicles (Atvs) Active	Aggregate	50	Gasoline	0.03198	0.03242	0.03528	0.614332991	0.01354133	10.68268225	0.0013509	0.0010212	0.000130772	0.000155645	438616.7879	0	15578.44024	0
Kern	2026	Recreational Vehicles - Golf Carts	Aggregate	15	Gasoline	0.0049666	0.0050162	0.005476	0.1386764	0.003930063	1.685488944	0.000374934	0.000283062	1.42242E-05	2.52129E-05	71634.18281	0	2501.109678	0
Kern	2026	Recreational Vehicles - Golf Carts	Aggregate	25	Gasoline	0.00147162	0.00148612	0.0016208	0.04108192	0.001164019	0.499387346	0.000111173	8.41322E-05	4.21472E-06	7.45434E-06	21224.94304	0	416.8516133	0
Kern	2026	Recreational Vehicles - Golf Carts	Aggregate	5	Gasoline	0.00011409	0.000115314	0.00012576	0.003216246	9.0761E-05	0.01783302	8.64964E-06	6.5404E-06	4.5139E-07	3.07757E-07	869.0813444	0	59.55020087	0
Kern	2026	Recreational Vehicles - Off-Road Motorcycles Active	Aggregate	120	Gasoline	0.156402609	0.158841435	0.173001653	0.821425904	0.005782695	6.235908147	0.002277514	0.001720866	0.000104152	0.000107075	301102.6784	0	1961.435735	0
Kern	2026	Recreational Vehicles - Off-Road Motorcycles Active	Aggregate	15	Gasoline	0.015243	0.015397	0.016775	0.173790549	0.002140236	1.227003905	0.00037795	0.00028634	3.59568E-05	0.000020812	57935.4088	0	567.9482489	0
Kern	2026	Recreational Vehicles - Off-Road Motorcycles Active	Aggregate	25	Gasoline	0.043615646	0.044062612	0.04801559	0.105199559	0.000533112	0.494728402	0.000530221	0.000399951	1.7979E-05	1.08624E-05	30300.18718	0	263.2592936	0
Kern	2026	Recreational Vehicles - Off-Road Motorcycles Active	Aggregate	5	Gasoline	0.04673472	0.047158727	0.051369276	0.320928933	0.001478623	1.745597324	0.001327391	0.001003414	4.79704E-05	3.23559E-05	90001.36091	0	882.5705252	0
Kern	2026	Recreational Vehicles - Off-Road Motorcycles Active	Aggregate	50	Gasoline	0.214556255	0.216887448	0.235856043	0.70326019	0.005705276	5.097449647	0.002704124	0.002046876	0.000125365	9.24926E-05	259208.0248	0	1903.592436	0
Kern	2026	Recreational Vehicles - Snowmobiles Active	Aggregate	120	Gasoline	0.0074578	0.0075192	0.008183	0.0267	0.00034684	0.08824	0.000249876	0.000188858	1.6896E-08	0.00000205	5827.70571	0	49.91575015	0
Kern	2026	Recreational Vehicles - Snowmobiles Active	Aggregate	25	Gasoline	0.00190934	0.00192964	0.00210264	0.0068334	0.0000887	0.022654	0.000064072	0.000048354	2.0806E-08	5.322E-07	1494.283514	0	41.59645847	0
Kern	2026	Recreational Vehicles - Snowmobiles Active	Aggregate	50	Gasoline	0.0283746	0.0286578	0.0311838	0.10136	0.0013146	0.3356	0.00094938	0.000717	1.5432E-07	0.000007823	22145.28166	0	324.4523759	0
Kern	2026	Transport Refridgeration Unit - Misc - Transport Refrigeration Unit (O	Aggregate	15	Gasoline	0.0001618	0.0001634	0.000178	0.00818	8.252E-05	0.02252	3.446E-07	2.588E-07	0.00000034	4.704E-07	1340	0	114.0513706	0
Kern	2026	Transport Refrigeration Unit - Instate Genset	Aggregate	25	Diesel	0.001744596	0.002110963	0.002512219	0.026000813	0.020666284	3.651633524	0.000491167	0.000409026	3.32273E-05	2.97716E-05	118345.7094	146389.2566	146.3892566	81296182.25
Kern	2026	Transport Refrigeration Unit - Instate Genset	Aggregate	50	Diesel	0.008715737	0.010546041	0.01255066	0.11075686	0.084947984	12.73058254	0.002280053	0.002095386	0.000115761	0.000103792	412585.1655	448240.3125	448.2403125	1032953050
Kern	2026	Transport Refrigeration Unit - Instate Trailer	Aggregate	25	Diesel	0.028204665	0.034127643	0.040614718	0.313422906	0.183669907	32.07553967	0.006477812	0.005429232	0.000291479	0.00026151	1039535.45	2030355.765	922.4696796	2751062039
Kern	2026	Transport Refrigeration Unit - Instate Trailer	Aggregate	50	Diesel	0.146242467	0.176953388	0.210589157	1.503648252	1.080563917	150.1529058	0.037369746	0.026778856	0.001364052	0.001224188	4866302.174	7954393.485	3613.990679	33956183026
Kern	2026	Transport Refrigeration Unit - Instate Truck	Aggregate	23	Diesel	0.017139449	0.020738735	0.024680806	0.197627336	0.134726803	23.26342033	0.004858069	0.004400018	0.0002115	0.000189665	753943.6703	1362136.439	1001.570911	1377810652
Kern	2026	Transport Refrigeration Unit - Out-of-State Genset	Aggregate	25	Diesel	0.002046026	0.002475689	0.002946275	0.028695502	0.021294427	3.762623953	0.000734655	0.000675882	3.42298E-05	3.06764E-05	121942.7957	953278.5225	953.2785225	728481136
Kern	2026	Transport Refrigeration Unit - Out-of-State Genset	Aggregate	50	Diesel	0.0032478	0.003929836	0.00467683	0.041926617	0.033900976	5.137205809	0.000926154	0.000852062	4.67212E-05	4.18834E-05	166491.5884	1137942.569	1137.942569	786228839
Kern	2026	Transport Refrigeration Unit - Out-of-State Shipping Container	Aggregate	25	Diesel	0.003726985	0.004509652	0.00536686	0.047871219	0.031594711	5.58232593	0.00090058	0.000828534	5.07635E-05	4.55124E-05	180917.4765	1721797.737	1014.612691	1547765431
Kern	2026	Transport Refrigeration Unit - Out-of-State Shipping Container	Aggregate	50	Diesel	5.72918E-05	6.9323E-05	8.25002E-05	0.000695587	0.000542251	0.077967693	1.46306E-05	1.34601E-05	7.08851E-07	6.35666E-07	2526.853249	20207.38775	11.90771229	297096.0436
Kern	2026	Transport Refrigeration Unit - Out-of-State Trailer	Aggregate	25	Diesel	0.030053982	0.036365321	0.043277737	0.364389784	0.22194804	39.16831501	0.006862612	0.0062751	0.000356064	0.000319337	1269405.047	15668954.96	7119.016341	34166185268
Kern	2026	Transport Refrigeration Unit - Out-of-State Trailer	Aggregate	50	Diesel	0.034129833	0.0412971	0.049146958	0.386013222	0.273577688	40.07173892	0.007369365	0.006493266	0.000364176	0.000326702	1298684.093	13729914.25	6238.034642	20453544106
Kern	2026	Transport Refrigeration Unit - Railcar TRU	Aggregate	25	Diesel	0.00128752	0.001557897	0.001854028	0.015638254	0.009440222	1.668042248	0.00030821	0.000283553	1.51633E-05	1.35995E-05	54059.54401	514486.5072	303.1741351	162861056.2
Kern	2026	Transport Refrigeration Unit - Railcar TRU	Aggregate	50	Diesel	0.001106602	0.001338987	0.001593504	0.013801142	0.009782563	1.556865547	0.000186748	0.000171808	1.41555E-05	1.2693E-05	50456.42073	422270.2536	248.8333845	40348632.77

OFFROAD Year 2027

	Equipment Type	Horsepower	Gas				Diesel				Natural Gas			
		HP	Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr	Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr	Fuel (Gal/Yr)	Population	Hrs/Yr	Gal/Hr
Air Compressors25	Air Compressors	25	14161.54814	50.38817994	0	0	1301.264109	2.466247531	0	0	0	0	0	0
Air Compressors50	Air Compressors	50	5850.95	5.34	2576.9	2.270538244	9949.9	11.99	9749.15	1.020591539	0	0	0	0
Air Compressors75	Air Compressors	75	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors100	Air Compressors	100	31455.7	17.23	8336.6	3.773204904	0	0	0	0	0	0	0	0
Air Compressors175	Air Compressors	175	3817.9	1.09	536.55	7.115646259	0	0	0	0	0	0	0	0
Air Compressors300	Air Compressors	300	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors600	Air Compressors	600	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors750	Air Compressors	750	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressors9999	Air Compressors	9999	0	0	0	0	0	0	0	0	0	0	0	0
Aerial Lifts25	Aerial Lifts	25	687.4	4.134063906	0	0	5.41	2.523393487	0	0	105.7	1.710719135	0	0
Aerial Lifts50	Aerial Lifts	50	1956.4	3.36	1219.1	1.604790419	9581.327737	50.55927324	12349.88383	0.775823309	0	0	0	0
Aerial Lifts75	Aerial Lifts	75	0	0	0	0	19099.39105	55.1292287	16845.24214	1.133815168	0	0	0	0
Aerial Lifts100	Aerial Lifts	100	3504	3.36	1219.1	2.874251497	3809.707315	9.518430138	2834.085546	1.344245702	0	0	0	0
Aerial Lifts175	Aerial Lifts	175	0	0	0	0	5628.549838	6.739573368	3154.543863	1.784267419	0	0	0	0
Aerial Lifts300	Aerial Lifts	300	0	0	0	0	119.0544543	0.07984238	35.26361221	3.376127595	0	0	0	0
Aerial Lifts600	Aerial Lifts	600	0	0	0	0	70.71129695	0.031936952	13.0457964	5.420236127	0	0	0	0
Bore/Drill rigs25	Bore/Drill rigs	25	231	2.635312368	0	0	15.64	2.459281693	0	0	0	0	0	0
Bore/Drill rigs50	Bore/Drill rigs	50	94.9	0.49	51.1	1.857142857	1933.078131	3.657062404	2909.255659	0.664457977	0	0	0	0
Bore/Drill rigs75	Bore/Drill rigs	75	0	0	0	0	7393.021343	8.518768508	6953.818478	1.063159955	0	0	0	0
Bore/Drill rigs100	Bore/Drill rigs	100	1543.95	2.24	240.9	6.409090909	5736.321474	4.505040992	3896.926605	1.472011679	0	0	0	0
Bore/Drill rigs175	Bore/Drill rigs	175	536.55	0.57	51.1	10.5	41031.57628	17.85190225	19496.84335	2.104524078	0	0	0	0
Bore/Drill rigs300	Bore/Drill rigs	300	0	0	0	0	49393.77068	13.9677706	15128.19929	3.26501322	0	0	0	0
Bore/Drill rigs600	Bore/Drill rigs	600	0	0	0	0	71225.17335	12.00179155	12156.55956	5.858991023	0	0	0	0
Bore/Drill rigs750	Bore/Drill rigs	750	0	0	0	0	29297.36455	3.12279508	3104.574372	9.436837725	0	0	0	0
Bore/Drill rigs9999	Bore/Drill rigs	9999	0	0	0	0	9564.042807	0.758171474	775.9168699	12.32611788	0	0	0	0
Cement and Mortar Mixers25	Cement and Mortar Mixers	25	103.46	1.523597166	0	0	4.496	1.741417658	0	0	0	0	0	0
Cement and Mortar Mixers50	Cement and Mortar Mixers	50	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers75	Cement and Mortar Mixers	75	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers100	Cement and Mortar Mixers	100	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers175	Cement and Mortar Mixers	175	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers300	Cement and Mortar Mixers	300	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers600	Cement and Mortar Mixers	600	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers750	Cement and Mortar Mixers	750	0	0	0	0	0	0	0	0	0	0	0	0
Cement and Mortar Mixers9999	Cement and Mortar Mixers	9999	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws25	Concrete/Industrial Saws	25	3450	16.75905638	0	0	3.078	0.643185825	0	0	0	0	0	0
Concrete/Industrial Saws50	Concrete/Industrial Saws	50	3102.5	1.84	1116.9	2.777777778	1069.45	1.31	770.15	1.388625592	0	0	0	0
Concrete/Industrial Saws75	Concrete/Industrial Saws	75	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws100	Concrete/Industrial Saws	100	3029.5	1.06	646.05	4.689265537	0	0	0	0	0	0	0	0
Concrete/Industrial Saws175	Concrete/Industrial Saws	175	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws300	Concrete/Industrial Saws	300	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws600	Concrete/Industrial Saws	600	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws750	Concrete/Industrial Saws	750	0	0	0	0	0	0	0	0	0	0	0	0
Concrete/Industrial Saws9999	Concrete/Industrial Saws	9999	0	0	0	0	0	0	0	0	0	0	0	0
Cranes25	Cranes	25	0	0	0	0	5.0583088	0.089196644	13.97191929	0.362033926	0	0	0	0
Cranes50	Cranes	50	438	0.57	222.65	1.967213115	149.0926992	1.160585316	222.4169819	0.670329657	0	0	0	0
Cranes75	Cranes	75	0	0	0	0	635.4299808	3.436169492	617.9077688	1.028357326	0	0	0	0
Cranes100	Cranes	100	1540.3	1.07	445.3	3.459016393	1838.641914	6.742661513	1282.910562	1.43318012	0	0	0	0
Cranes175	Cranes	175	58.4	0	0	0	17103.52453	30.32013794	7818.217744	2.187650062	0	0	0	0
Cranes300	Cranes	300	0	0	0	0	61126.89637	68.19439109	17752.4141	3.443300502	0	0	0	0
Cranes600	Cranes	600	0	0	0	0	88517.99772	54.4925075	14711.00196	6.01712908	0	0	0	0
Cranes750	Cranes	750	0	0	0	0	13965.32929	6.2900743	1508.36028	9.258616445	0	0	0	0
Cranes9999	Cranes	9999	0	0	0	0	4758.111891	1.47245787	364.3738558	13.05832407	0	0	0	0
Crawler Tractors25	Crawler Tractors	25	0	0	0	0	0	0	0	0	0	0	0	0
Crawler Tractors50	Crawler Tractors	50	0	0	0	0	995.3487012	3.836679531	1518.334076	0.65555316	0	0	0	0
Crawler Tractors75	Crawler Tractors	75	0	0	0	0	7329.942889	15.21362586	6577.428785	1.114408552	0	0	0	0
Crawler Tractors100	Crawler Tractors	100	0	0	0	0	28798.13674	38.28311617	19572.11162	1.471386292	0	0	0	0
Crawler Tractors175	Crawler Tractors	175	0	0	0	0	106624.6805	78.60286513	52403.06659	2.034703071	0	0	0	0
Crawler Tractors300	Crawler Tractors	300	0	0	0	0	132444.2949	63.67699176	41844.82377	3.165129709	0	0	0	0
Crawler Tractors600	Crawler Tractors	600	0	0	0	0	237096.3314	63.62402093	42211.69755	5.616839528	0	0	0	0
Crawler Tractors750	Crawler Tractors	750	0	0	0	0	16080.16127	2.907174088	1728.695916	9.301902735	0	0	0	0
Crawler Tractors9999	Crawler Tractors	9999	0	0	0	0	25362.31465	3.44010463	2067.485671	12.26722632	0	0	0	0
Crushing/Proc. Equipment25	Crushing/Proc. Equipment	25	41.62	0.2128	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment50	Crushing/Proc. Equipment	50	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment75	Crushing/Proc. Equipment	75	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment100	Crushing/Proc. Equipment	100	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment175	Crushing/Proc. Equipment	175	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment300	Crushing/Proc. Equipment	300	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment600	Crushing/Proc. Equipment	600	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment750	Crushing/Proc. Equipment	750	0	0	0	0	0	0	0	0	0	0	0	0
Crushing/Proc. Equipment9999	Crushing/Proc. Equipment	9999	0	0	0	0	0	0	0	0	0	0	0	0
Dumpers/Tenders25	Dumpers/Tenders	25	256	4.344403228	0	0	2.228	0.899429468	0	0	0	0	0	0
Dumpers/Tenders100	Dumpers/Tenders	100	91.25	0.38	51.1	1.785714286	0	0	0	0	0	0	0	0
Excavators25	Excavators	25	0	0	0	0	18.98838423	1.454949046	22.9588745	0.827060762	0	0	0	0
Excavators50	Excavators	50	0	0	0	0	118274.9562	333.2888546	199626.8948	0.592480068	0	0	0	0
Excavators75	Excavators	75	0	0	0	0	93414.64121	137.8574951	90801.94978	1.028773517	0	0	0	0
Excavators100	Excavators	100	0	0	0	0	73068.78843	72.56995999	48784.27807	1.497793784	0	0	0	0
Excavators175	Excavators	175	0	0	0	0	413692.1807	206.2024941	187920.8597	2.201417029	0	0	0	0
Excavators300	Excavators	300	0	0	0	0	444894.2347	153.6396271	131288.0541	3.388687858	0	0	0	0
Excavators600	Excavators	600	0	0	0	0	512989.7561	107.1006049	94606.55904	5.422348739	0	0	0	0
Excavators750	Excavators	750	0	0	0	0	15292.54484	2.233649336	1585.946427	9.642535574	0	0	0	0
Excavators9999	Excavators	9999	0	0	0	0	73574.83462	4.150691068	3173.046118	23.18744572	0	0	0	0
Forklifts25	Forklifts	25	1032.162523	2.6472302	2021.40625	0.510616074	0.072817922	0.015968476	3.584999996	0.020311833	11.53	0.05904817	0	0
Forklifts50	Forklifts	50	51516.32486	25.06430881	29462.1023	1.748562419	24930.5961	54.89532538	31706.47718	0.786293474	50001.35	20.79	37441.7	1.335445506
Forklifts75	Forklifts	75	90224.13881	48.14507482	36038.7629	2.503530412	226210.2868	346.5491028	151607.0719	1.492082684	0	0	0	0
Forklifts100	Forklifts	100	201153.4608	58.02142578	82992.4472	2.423756228	128150.7716	172.2487477	104325.5863	1.228373366	313177.3	72.96	131392.7	2.383521307
Forklifts175	Forklifts	175	22399.92605	4.670926954	4808.10245	4.65878718	357420.4315	339.258326	196676.7999	1.817298388	23498.7	2.68	4807.05	4.888382688
Forklifts300	Forklifts	300	1214.033074	0.189056586	134.025066	9.058253907	9757.723443	8.141130385	3174.220741	3.074053205	0	0	0	0
Forklifts600	Forklifts	600	1509.073336	0.101173519	68.4943245	22.03209312	2955.210817	1.501077342	583.8110942	5.061929872	0	0	0	0
Forklifts750	Forklifts	750	0	0	0	0	383.3887428	0.092512524	39.87301278	9.615243895	0	0	0	0
Forklifts9999	Forklifts	9999	0	0	0	0	3221.624187	0.319551273	110.2737875	29.21477769	0	0	0	0
Generator Sets25	Generator Sets	25	21350.40859	212.31655	0	0	23941.53536	89.64795707	0	0	0	0	0	0
Generator Sets50	Generator Sets	50	44730.75	175.02	20104.2	2.224945534	27400.55	58.15	19618.75	1.396651163	0	0	0	0
Generator Sets75	Generator Sets	75	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets100	Generator Sets	100	20155.3	33.8	3869	5.209433962	0	0	0	0	1803.1	2.49	295.65	6.098765432
Generator Sets175	Generator Sets	175	3310.55	3.19	365	9.07	0	0	0	0	2609.75	2.09	262.8	9.930555556
Generator Sets300	Generator Sets	300	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets600	Generator Sets	600	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets750	Generator Sets	750	0	0	0	0	0	0	0	0	0	0	0	0
Generator Sets9999	Generator Sets	9999	0	0	0	0	0	0	0	0	0	0	0	0
Graders25	Graders	25	0	0	0	0	0	0	0	0	0	0	0	0
Graders50	Graders	50	0	0	0	0	363.8002031	1.650205018	600.5917425	0.605736272	0	0	0	0
Graders75	Graders	75	0	0	0	0	1107.26658	3.169751664	1083.453727	1.021978653	0	0	0	0
Graders100	Graders	100	0	0	0	0	2897.504541	5.488269615	2035.182779	1.423707281	0	0	0	0
Graders175	Graders	175	0	0	0	0	46460.21936	46.76048464	21365.28621	2.174565737	0	0	0	0
Graders300	Graders	300	0	0	0	0	160080.8764	87.46340439	48947.3651	3.27046974	0	0	0	0
Graders600	Graders	600	0	0	0	0	38842.83987	12.93778593	7841.382586	4.953570298	0	0	0	0
Graders750	Graders	750	0	0	0	0	1469.850234	0.267589932	144.5630115	10.16754023	0	0	0	0
Graders9999	Graders	9999	0	0	0	0	1052.56327	0.178393288	96.87533518	10.86513165	0	0	0	0
Off-Highway Tractors25	Off-Highway Tractors	25	0	0	0	0	0	0	0	0	0	0	0	0
Off-Highway Tractors50	Off-Highway Tractors	50	0	0	0	0	19825.891	35.86395738	31782.83076	0.623792486	0	0	0	0
Off-Highway Tractors75	Off-Highway Tractors	75	0	0	0	0	17047.66217	19.36599377	16874.18984	1.010280335	0	0	0	0
Off-Highway Tractors100	Off-Highway Tractors	100	0	0	0	0	16882.04821	12.80086467	11623.99992	1.452344144	0	0	0	0
Off-Highway Tractors175	Off-Highway Tractors	175	0	0	0	0	91270.68372	28.3225227	40700.04344	2.242520548	0	0	0	0
Off-Highway Tractors300	Off-Highway Tractors	300	0	0	0	0	41503.82269	11.06588531	12813.18833	3.239148728	0	0	0	0
Off-Highway Tractors600	Off-Highway Tractors	600	0	0	0	0	110271.7142	14.37010541	19222.89596	5.736477712	0	0	0	0
Off-Highway Tractors750	Off-Highway Tractors	750	0	0	0	0	8791.269335	0.936771444	959.5167675	9.162184168	0	0	0	0
Off-Highway Tractors9999	Off-Highway Tractors	9999	0	0	0	0	8590.14913	0.313041854	351.2062297	24.45898849	0	0	0	0
Off-Highway Trucks25	Off-Highway Trucks	25	0	0	0	0	0	0	0	0	0	0	0	0
Off-Highway Trucks50	Off-Highway Trucks	50	0	0	0	0	870.5027255	2.319112744	1847.035049	0.471297351	0	0	0	0
Off-Highway Trucks75	Off-Highway Trucks	75	0	0	0	0	913.225745	1.15980432	805.8842342	1.133197184	0	0	0	0
Off-Highway Trucks100	Off-Highway Trucks	100	0	0	0	0	464.1051859	0.401384898	324.5781023	1.42987214	0	0	0	0
Off-Highway Trucks175	Off-Highway Trucks	175	0	0	0	0	23833.48386	8.653587992	10035.17902	2.374993392	0	0	0	0
Off-Highway Trucks300	Off-Highway Trucks	300	0	0	0	0	55991.33224	17.18061074	16903.08362	3.312492177	0	0	0	0
Off-Highway Trucks600	Off-Highway Trucks	600	0	0	0	0	407818.8148	58.93276549	65271.53824	6.248034378	0	0	0	0
Off-Highway Trucks750	Off-Highway Trucks	750	0	0	0	0	58513.38241	7.654651972	5900.750109	9.916261717	0	0	0	0
Off-Highway Trucks9999	Off-Highway Trucks	9999	0	0	0	0	203985.012	13.35613364	11901.77258	17.13904467	0	0	0	0
Pavers25	Pavers	25	762.2	2.654546374	0	0	4.188	0.558034442	0	0	0	0	0	0
Pavers50	Pavers	50	1474.6	1.56	609.55	2.419161677	1857.646909	5.932153077	3001.433644	0.618919866	0	0	0	0
Pavers75	Pavers	75	0	0	0	0	9378.531815	15.38798925	8475.516042	1.106544046	0	0	0	0
Pavers100	Pavers	100	1292.1	0.82	324.85	3.97752809	10256.62079	11.82066825	7298.324344	1.405339131	0	0	0	0
Pavers175	Pavers	175	0	0	0	0	34393.25668	20.922817	16369.14949	2.101102241	0	0	0	0
Pavers300	Pavers	300	0	0	0	0	41818.99686	15.4775536	12733.34475	3.284211468	0	0	0	0
Pavers600	Pavers	600	0	0	0	0	7487.715489	1.60681148	1374.645661	5.447014968	0	0	0	0
Pavers750	Pavers	750	0	0	0	0	300.5070164	0.044598322	33.20994	9.048706995	0	0	0	0
Pavers9999	Pavers	9999	0	0	0	0	6917.408827	0.312188254	247.0573062	27.99920768	0	0	0	0
Paving Equipment25	Paving Equipment	25	744	5.707045234	0	0	7.09	1.381643828	0	0	0	0	0	0
Paving Equipment50	Paving Equipment	50	1693.6	4.34	777.45	2.178403756	4710.139362	16.41295089	7655.822937	0.615236194	0	0	0	0
Paving Equipment75	Paving Equipment	75	0	0	0	0	3501.552734	6.466926457	3200.73402	1.09398429	0	0	0	0
Paving Equipment100	Paving Equipment	100	682.55	1.09	200.75	3.4	5556.044128	7.364216017	3842.214755	1.446052468	0	0	0	0
Paving Equipment175	Paving Equipment	175	0	0	0	0	38070.0656	23.77646985	18768.74226	2.02837596	0	0	0	0
Paving Equipment300	Paving Equipment	300	0	0	0	0	17234.18667	7.540950244	5117.237289	3.36786936	0	0	0	0
Paving Equipment600	Paving Equipment	600	0	0	0	0	40798.47222	10.88731612	7959.197961	5.125952693	0	0	0	0
Paving Equipment750	Paving Equipment	750	0	0	0	0	8759.171743	1.471744626	957.6934951	9.146111765	0	0	0	0
Paving Equipment9999	Paving Equipment	9999	0	0	0	0	5507.753246	0.579778186	382.2822188	14.40755802	0	0	0	0
Rollers25	Rollers	25	2286	12.50861001	0	0	49.76	10.94825425	0	0	0	0	0	0
Rollers50	Rollers	50	1923.55	1.07	678.9	2.833333333	45064.43307	166.8242735	77160.93738	0.584031695	0	0	0	0
Rollers75	Rollers	75	0	0	0	0	18276.95809	33.90055942	16228.96287	1.126193845	0	0	0	0
Rollers100	Rollers	100	5967.75	2.09	1321.3	4.516574586	28139.53235	40.24506202	19597.28189	1.435889554	0	0	0	0
Rollers175	Rollers	175	0	0	0	0	164897.106	109.0310365	82699.13792	1.993939842	0	0	0	0
Rollers300	Rollers	300	0	0	0	0	14191.2543	7.23739683	4407.307053	3.219937738	0	0	0	0
Rollers600	Rollers	600	0	0	0	0	11869.68276	3.127514492	2071.250046	5.730685572	0	0	0	0
Rollers750	Rollers	750	0	0	0	0	281.2467781	0.044598322	27.16022815	10.3550963	0	0	0	0
Rollers9999	Rollers	9999	0	0	0	0	12374.82511	0.579778186	367.7723267	33.64805944	0	0	0	0
Rough Terrain Forklifts25	Rough Terrain Forklifts	25	0	0	0	0	0	0	0	0	0	0	0	0
Rough Terrain Forklifts50	Rough Terrain Forklifts	50	598.6	0.3	116.8	5.125	1472.39175	5.530191928	1998.991383	0.736567332	0	0	0	0
Rough Terrain Forklifts75	Rough Terrain Forklifts	75	0	0	0	0	57853.50533	112.9746517	49360.11768	1.172069842	0	0	0	0
Rough Terrain Forklifts100	Rough Terrain Forklifts	100	13424.7	6.36	2649.9	5.066115702	40141.73305	64.69078267	27868.35598	1.440405494	0	0	0	0
Rough Terrain Forklifts175	Rough Terrain Forklifts	175	700.8	0.16	73	9.6	264042.8734	226.9347018	145246.3687	1.817896555	0	0	0	0
Rough Terrain Forklifts300	Rough Terrain Forklifts	300	0	0	0	0	2236.415451	1.382955738	742.870681	3.010504396	0	0	0	0
Rough Terrain Forklifts600	Rough Terrain Forklifts	600	0	0	0	0	642.2296873	0.223000384	132.2194353	4.857301696	0	0	0	0
Rough Terrain Forklifts750	Rough Terrain Forklifts	750	0	0	0	0	211.0913843	0.044607096	23.51497463	8.97689186	0	0	0	0
Rough Terrain Forklifts9999	Rough Terrain Forklifts	9999	0	0	0	0	0	0	0	0	0	0	0	0
Rubber Tired Dozers25	Rubber Tired Dozers	25	0	0	0	0	0	0	0	0	0	0	0	0
Rubber Tired Dozers50	Rubber Tired Dozers	50	0	0	0	0	272.0196024	0.805487784	419.6449153	0.648213746	0	0	0	0
Rubber Tired Dozers75	Rubber Tired Dozers	75	0	0	0	0	866.8055491	1.340076944	839.8714729	1.032069283	0	0	0	0
Rubber Tired Dozers100	Rubber Tired Dozers	100	0	0	0	0	1945.442765	2.2314766	1342.77553	1.448822027	0	0	0	0
Rubber Tired Dozers175	Rubber Tired Dozers	175	0	0	0	0	6287.254866	3.703292514	2931.968997	2.144379723	0	0	0	0
Rubber Tired Dozers300	Rubber Tired Dozers	300	0	0	0	0	7856.287658	2.99032535	2397.617748	3.276705665	0	0	0	0
Rubber Tired Dozers600	Rubber Tired Dozers	600	0	0	0	0	47284.7924	10.91969803	8424.777299	5.612586627	0	0	0	0
Rubber Tired Dozers750	Rubber Tired Dozers	750	0	0	0	0	1568.103964	0.223538251	162.7871143	9.632850673	0	0	0	0
Rubber Tired Dozers9999	Rubber Tired Dozers	9999	0	0	0	0	3433.122069	0.22299161	183.1253514	18.74738829	0	0	0	0
Rubber Tired Loaders25	Rubber Tired Loaders	25	0	0.03626	0	0	2.907	0.366640796	0	0	0	0	0	0
Rubber Tired Loaders50	Rubber Tired Loaders	50	719.05	0.56	281.05	2.558441558	2680.942493	6.869516847	4068.601293	0.658934681	0	0	0	0
Rubber Tired Loaders75	Rubber Tired Loaders	75	0	0	0	0	21173.45247	30.64805571	19085.82418	1.109381092	0	0	0	0
Rubber Tired Loaders100	Rubber Tired Loaders	100	7135.75	3.74	1898	3.759615385	35126.58746	37.21142043	24318.3485	1.444447901	0	0	0	0
Rubber Tired Loaders175	Rubber Tired Loaders	175	0	0	0	0	271230.9383	138.9984819	122388.7888	2.216142025	0	0	0	0
Rubber Tired Loaders300	Rubber Tired Loaders	300	0	0	0	0	508821.4747	175.9449524	156677.504	3.247571997	0	0	0	0
Rubber Tired Loaders600	Rubber Tired Loaders	600	0	0	0	0	395391.1017	78.17686943	71592.01803	5.522837777	0	0	0	0
Rubber Tired Loaders750	Rubber Tired Loaders	750	0	0	0	0	13111.28592	2.154605892	1336.978343	9.806655425	0	0	0	0

Surfacing Equipment175	Surfacing Equipment	175	0	0	0	0	4356.872084	3.346153299	2177.967746	2.00043003	0	0	0	0
Surfacing Equipment300	Surfacing Equipment	300	0	0	0	0	5067.377366	2.546483673	1472.978687	3.4402245	0	0	0	0
Surfacing Equipment600	Surfacing Equipment	600	0	0	0	0	29298.9235	7.62918974	5201.708097	5.632558181	0	0	0	0
Surfacing Equipment750	Surfacing Equipment	750	0	0	0	0	12354.46349	2.274745561	1348.992014	9.158292529	0	0	0	0
Surfacing Equipment9999	Surfacing Equipment	9999	0	0	0	0	6144.220346	0.895460988	469.3314459	13.09143122	0	0	0	0
Sweepers/Scrubbers25	Sweepers/Scrubbers	25	26.14	1.890513954	0	0	0.967	0.154622533	0	0	0	0	0	0
Sweepers/Scrubbers50	Sweepers/Scrubbers	50	4281.45	3.15	1638.85	2.61247216	2548.159728	11.19747088	4586.239299	0.55560985	0	0	0	0
Sweepers/Scrubbers75	Sweepers/Scrubbers	75	0	0	0	0	2329.368075	4.329192163	2038.208881	1.142850518	0	0	0	0
Sweepers/Scrubbers100	Sweepers/Scrubbers	100	6095.5	2.65	1357.8	4.489247312	3044.024338	4.650808654	2199.704228	1.383833471	0	0	0	0
Sweepers/Scrubbers175	Sweepers/Scrubbers	175	69.35	0	0	0	703.6836319	0.639032337	393.2614442	1.789353221	0	0	0	0
Sweepers/Scrubbers300	Sweepers/Scrubbers	300	0	0	0	0	957.3837661	0.463085804	304.1770605	3.147455513	0	0	0	0
Sweepers/Scrubbers600	Sweepers/Scrubbers	600	0	0	0	0	151.7004502	0.047905428	32.78296743	4.627416676	0	0	0	0
Sweepers/Scrubbers750	Sweepers/Scrubbers	750	0	0	0	0	0	0	0	0	0	0	0	0
Sweepers/Scrubbers9999	Sweepers/Scrubbers	9999	0	0	0	0	300.3087217	0.015968476	9.503843767	31.59865935	0	0	0	0
Tractors/Loaders/Backhoes25	Tractors/Loaders/Backhoes	25	0	0.091854356	0	0	86.52825687	10.4584621	27.34248473	3.1646084	0	0	0	0
Tractors/Loaders/Backhoes50	Tractors/Loaders/Backhoes	50	0	0	0	0	44599.44931	144.0801428	71310.0334	0.625430212	0	0	0	0
Tractors/Loaders/Backhoes75	Tractors/Loaders/Backhoes	75	0	0	0	0	207352.4303	340.3051423	187779.8252	1.104231672	0	0	0	0
Tractors/Loaders/Backhoes100	Tractors/Loaders/Backhoes	100	5029.7	1.99	1708.2	2.944444444	495394.1024	564.9948918	338270.9466	1.464489065	0	0	0	0
Tractors/Loaders/Backhoes175	Tractors/Loaders/Backhoes	175	0	0	0	0	521116.1847	335.1868226	274256.5588	1.90010473	0	0	0	0
Tractors/Loaders/Backhoes300	Tractors/Loaders/Backhoes	300	0	0	0	0	221947.1437	92.26132195	70272.76884	3.158366283	0	0	0	0
Tractors/Loaders/Backhoes600	Tractors/Loaders/Backhoes	600	0	0	0	0	170508.1117	39.30797742	30354.01256	5.617317029	0	0	0	0
Tractors/Loaders/Backhoes750	Tractors/Loaders/Backhoes	750	0	0	0	0	7867.698623	1.16023357	781.882754	10.06250436	0	0	0	0
Tractors/Loaders/Backhoes9999	Tractors/Loaders/Backhoes	9999	0	0	0	0	31105.19486	1.561353943	1103.462677	28.18871494	0	0	0	0
Trenchers25	Trenchers	25	4666	15.52733811	0	0	73.9	7.414143455	0	0	0	0	0	0
Trenchers50	Trenchers	50	9150.55	10.19	4102.6	2.230427046	14156.39593	38.71539346	20336.94351	0.696092603	0	0	0	0
Trenchers75	Trenchers	75	0	0	0	0	4449.331208	8.477289367	4298.789182	1.035019635	0	0	0	0
Trenchers100	Trenchers	100	5646.55	3.41	1368.75	4.125333333	5569.851098	6.959194494	3805.304185	1.463707191	0	0	0	0
Trenchers175	Trenchers	175	0	0	0	0	9130.705446	6.959459664	4875.319042	1.872842652	0	0	0	0
Trenchers300	Trenchers	300	0	0	0	0	5469.450613	2.677834913	1694.539533	3.227691361	0	0	0	0
Trenchers600	Trenchers	600	0	0	0	0	9000.379406	2.366055203	1413.387971	6.367946801	0	0	0	0
Trenchers750	Trenchers	750	0	0	0	0	444.5527417	0.134302655	48.05671107	9.250586064	0	0	0	0
Trenchers9999	Trenchers	9999	0	0	0	0	11113.70983	1.204154694	902.3538888	12.3163539	0	0	0	0
Welders25	Welders	25	0	0	0	0	11913.74113	36.6324514	0	0	0	0	0	0
Welders50	Welders	50	14016	27.78	5777.95	2.425773847	45650.55	59.84	38430.85	1.187862095	0	0	0	0
Welders75	Welders	75	0	0	0	0	0	0	0	0	0	0	0	0
Welders100	Welders	100	19574.95	28.37	5894.75	3.320743034	0	0	0	0	0	0	0	0
Welders175	Welders	175	2445.5	1.94	390.55	6.261682243	0	0	0	0	0	0	0	0
Welders300	Welders	300	0	0	0	0	0	0	0	0	0	0	0	0
Welders600	Welders	600	0	0	0	0	0	0	0	0	0	0	0	0
Welders750	Welders	750	0	0	0	0	0	0	0	0	0	0	0	0
Welders9999	Welders	9999	0	0	0	0	0	0	0	0	0	0	0	0

Model Output: Off-Road Web Query (v1.1.3) Emissions Inventory
Region Type: County
Region: Kern
Calendar Year: 2027
Scenario: All Adopted Rules - Exhaust
Vehicle Classification: Off-Road Web Query Equipment Types
Units: tons/day for Emissions, gallons/year for Fuel, hours/year for Activity, Horsepower-hours/year for Horsepower-hours

Region	Calendar Year	Vehicle Category	Model Year	Horsepower B	Fuel	HC_tpd	ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd	SOx_tpd	NH3_tpd	Fuel Consumptio	Total_Activity	Total_Population	Horsepower_Hours_hhpy
Kern	2027	Agricultural - Agricultural Tractors	Aggregate	100	Gasoline	3.78981E-07	4.58568E-07	5.45733E-07	5.88434E-06	1.36006E-06	0.000188215	1.41586E-08	1.30259E-08	1.70398E-09	1.53453E-09	6.099853233	36.09016538	0.018425566	162.7887848
Kern	2027	Agricultural - Agricultural Tractors	Aggregate	100	Diesel	0.03628983	0.043910694	0.052257355	0.349049237	0.30829635	56.51347364	0.023162501	0.021309501	0.000515835	0.000462433	1838200.794	138335.301	922.3329222	65703665.25
Kern	2027	Agricultural - Agricultural Tractors	Aggregate	175	Gasoline	1.19701E-06	1.44838E-06	1.72369E-06	1.96173E-05	8.88236E-06	0.001174193	8.83297E-08	8.12633E-08	1.06654E-08	9.57329E-09	38.05440468	117.6886569	0.088101828	1015.570379
Kern	2027	Agricultural - Agricultural Tractors	Aggregate	175	Diesel	0.033861507	0.040972424	0.048760571	0.4454772	0.299634742	75.17516988	0.014468075	0.013310629	0.000686605	0.000615137	2445205.508	181807.1094	766.9743024	97164157.28
Kern	2027	Agricultural - Agricultural Tractors	Aggregate	25	Gasoline	5.51292E-06	6.67063E-06	7.93861E-06	7.34617E-05	1.24496E-06	0.000208752	1.30249E-07	1.19829E-07	1.73713E-09	1.70197E-09	6.765425084	485.7744481	0.09511285	180.5511187
Kern	2027	Agricultural - Agricultural Tractors	Aggregate	25	Diesel	0.001459465	0.001765952	0.002101629	0.00667134	0.005011016	0.681859978	0.000266068	0.000244783	6.19313E-06	5.57946E-06	22178.70309	17501.7125	47.36370364	792743.6968
Kern	2027	Agricultural - Agricultural Tractors	Aggregate	300	Diesel	0.021430324	0.025930693	0.030859667	0.14224459	0.169194971	63.06752231	0.007896729	0.007264991	0.00057623	0.000516063	2051382.832	126850.7528	308.850295	81514982.4
Kern	2027	Agricultural - Agricultural Tractors	Aggregate	50	Gasoline	1.552E-05	1.87792E-05	2.23487E-05	0.000555186	4.11937E-05	0.013169609	9.90695E-07	9.11439E-07	1.19559E-07	1.07373E-07	426.8135674	1117.704369	1.440958582	11390.5137
Kern	2027	Agricultural - Agricultural Tractors	Aggregate	50	Diesel	0.028392593	0.034355037	0.040885333	0.129832097	0.099212668	13.30318737	0.007189814	0.006614629	0.000120831	0.000108856	432709.7243	108220.2578	540.1575961	15466544.78
Kern	2027	Agricultural - Agricultural Tractors	Aggregate	600	Diesel	0.030714486	0.037164528	0.044228859	0.250454922	0.244043268	93.57879098	0.010938502	0.010063422	0.000855036	0.000765728	3043815.87	117633.9388	257.1771032	120950898.7
Kern	2027	Agricultural - Agricultural Tractors	Aggregate	75	Gasoline	3.3607E-07	4.06645E-07	4.83941E-07	5.68121E-06	1.18914E-06	0.000171806	1.29243E-08	1.18903E-08	1.55572E-09	1.40075E-09	5.568067794	144.9705945	0.024539478	148.5968504
Kern	2027	Agricultural - Agricultural Tractors	Aggregate	75	Diesel	0.020269179	0.024525706	0.029187617	0.129094279	0.176960191	19.27063505	0.010197521	0.009381719	0.000175659	0.000157686	626811.5261	124780.2009	504.6831946	22404415.66
Kern	2027	Agricultural - Agricultural Tractors	Aggregate	750	Diesel	0.002022643	0.002447398	0.002912606	0.017855338	0.019361271	4.73140645	0.000895542	0.000823899	4.32171E-05	3.87157E-05	153897.3724	3691.847471	9.7913886	6115358.561
Kern	2027	Agricultural - ATVs	Aggregate	100	Gasoline	9.63686E-05	0.000116606	0.000138771	0.004577487	0.000390532	0.314843339	2.36844E-05	2.17896E-05	2.86653E-06	2.56694E-06	10203.75079	657.8964787	12.40349685	326773.0123
Kern	2027	Agricultural - ATVs	Aggregate	175	Gasoline	0.000160629	0.000194361	0.000231306	0.008802224	0.00084678	0.684574115	5.14977E-05	4.73778E-05	6.23425E-06	5.58139E-06	22186.34719	1587.03766	15.29418191	710513.1967
Kern	2027	Agricultural - ATVs	Aggregate	175	Diesel	8.34323E-05	0.000100953	0.000120143	0.001906634	0.000736566	0.346987516	3.00048E-05	2.76044E-05	3.17136E-06	2.8393E-06	11286.38334	8164.480947	5.435955577	538179.02
Kern	2027	Agricultural - ATVs	Aggregate	25	Gasoline	0.030553884	0.0369702	0.043997593	0.392412743	0.016345726	1.515685144	0.0013235	0.00121762	1.2897E-05	1.23575E-05	49121.80591	15741.00291	277.4673993	1573115.698
Kern	2027	Agricultural - ATVs	Aggregate	25	Diesel	0.000636447	0.000770101	0.000916483	0.003759421	0.003062817	0.44559598	0.000143247	0.000131787	4.05674E-06	3.64618E-06	14493.79825	42291.2361	38.98182229	621670.2788
Kern	2027	Agricultural - ATVs	Aggregate	25	Electric	0	0	0	0	0	0	0	0	0	0	0	2418.321244	37.48639328	216046.1842
Kern	2027	Agricultural - ATVs	Aggregate	50	Gasoline	0.000519656	0.000628783	0.000748304	0.030202363	0.001361755	1.063487839	8.00018E-05	7.36016E-05	9.67682E-06	8.6707E-06	34466.55366	10839.35715	121.7451866	1103784.265
Kern	2027	Agricultural - ATVs	Aggregate	50	Diesel	0.000812104	0.000982646	0.00116943	0.006424674	0.005267259	0.890505103	0.000216935	0.000199581	8.12101E-06	7.28675E-06	28965.25523	32539.79974	53.08670954	1242382.293
Kern	2027	Agricultural - ATVs	Aggregate	75	Gasoline	0.000239468	0.000289756	0.000344834	0.013854519	0.000658401	0.54769931	4.12011E-05	3.7905E-05	4.98443E-06	4.46544E-06	17750.37473	3839.205106	31.87082877	568452.0865
Kern	2027	Agricultural - Bale Wagons (Self Propelled)	Aggregate	175	Diesel	0.000974507	0.001179154	0.001403291	0.009663831	0.009398679	1.605748372	0.000453551	0.000417267	1.46584E-05	1.31394E-05	52229.80899	30231.26312	15.09252765	1992417.709
Kern	2027	Agricultural - Bale Wagons (Self Propelled)	Aggregate	300	Diesel	0.000108749	0.000131586	0.000156599	0.00061607	0.001110511	0.243901374	4.84233E-05	4.45495E-05	2.22768E-06	1.99577E-06	7933.32406	11475.81682	1.950148017	302633.6046
Kern	2027	Agricultural - Balers (Self Propelled)	Aggregate	75	Diesel	0.00012003	0.000145236	0.000172843	0.000940458	0.001111671	0.153310273	5.29113E-05	4.86784E-05	1.39872E-06	1.25449E-06	4986.68809	5088.295781	2.857058263	171111.8477
Kern	2027	Agricultural - Combine Harvesters	Aggregate	175	Diesel	0.000230327	0.000278696	0.000331671	0.00240176	0.002176508	0.411152518	0.000100162	9.21488E-05	3.75387E-06	3.36434E-06	13373.46363	1495.581488	4.976914016	574853.0332
Kern	2027	Agricultural - Combine Harvesters	Aggregate	300	Diesel	0.001852679	0.002241741	0.002667857	0.010524075	0.016980131	4.030432289	0.000803951	0.000739635	3.68104E-05	3.29799E-05	131096.9466	28631.68298	24.28150159	5635150.198
Kern	2027	Agricultural - Combine Harvesters	Aggregate	600	Diesel	0.00259696	0.003142321	0.003739622	0.02153869	0.025029562	6.14690947	0.001067402	0.00098201	5.61474E-05	5.02984E-05	199939.1144	37568.0383	21.23205319	8594303.396
Kern	2027	Agricultural - Combine Harvesters	Aggregate	750	Diesel	0.002478059	0.002998452	0.003568406	0.018485886	0.0267123	5.990372928	0.001088838	0.001001731	5.47191E-05	4.90175E-05	194847.4862	22799.15149	16.31524434	8375441.832
Kern	2027	Agricultural - Combine Harvesters	Aggregate	9999	Diesel	0.000160923	0.000194717	0.000231729	0.00121959	0.002308651	0.32376225	7.0141E-05	6.45297E-05	2.9566E-06	2.64925E-06	10530.94045	17000.75772	0.612246156	452668.2872
Kern	2027	Agricultural - Construction Equipment	Aggregate	100	Diesel	0.000823425	0.000996344	0.001185732	0.007191188	0.007074132	1.145200218	0.000527445	0.00048525	1.04503E-05	9.37084E-06	37249.66481	30171.48393	24.98824535	1597718.499
Kern	2027	Agricultural - Construction Equipment	Aggregate	175	Diesel	0.002381409	0.002881505	0.003429229	0.029316462	0.025592815	5.119455425	0.001107621	0.001019012	4.67558E-05	4.1891E-05	166519.3523	50079.34919	105.7671428	7940295.777
Kern	2027	Agricultural - Construction Equipment	Aggregate	300	Diesel	0.000764933	0.000925569	0.001101504	0.004002874	0.007465662	1.402591477	0.000356783	0.00032824	1.28064E-05	1.1477E-05	45621.77126	27566.04032	10.96329024	2175424.983
Kern	2027	Agricultural - Construction Equipment	Aggregate	50	Diesel	0.00011496	0.000139102	0.000165542	0.000571942	0.000446362	0.067259666	2.63087E-05	2.4204E-05	6.1177E-07	5.50366E-07	2187.73972	7228.978656	2.193515099	93836.87683
Kern	2027	Agricultural - Construction Equipment	Aggregate	600	Diesel	0.000582297	0.00070458	0.000838508	0.004706736	0.005721642	1.115005899	0.000260527	0.000239685	1.01814E-05	9.12377E-06	36267.54113	24274.91989	5.816372982	1729378.604
Kern	2027	Agricultural - Construction Equipment	Aggregate	75	Diesel	0.000191758	0.000232027	0.000276131	0.001502464	0.001775991	0.244926512	8.45304E-05	7.77679E-05	2.23457E-06	2.00416E-06	7966.668468	12886.21913	6.616454406	341707.5988
Kern	2027	Agricultural - Cotton Pickers	Aggregate	600	Diesel	0.000244262	0.000295557	0.000351737	0.001838729	0.002535326	0.584829827	0.00010204	9.38766E-05	5.34206E-06	4.78549E-06	19022.62564	17686.21832	2.538723146	817680.0061
Kern	2027	Agricultural - Forage & Silage Harvesters	Aggregate	600	Diesel	0.00120022	0.001452266	0.001728316	0.010624793	0.01091882	2.815416368	0.000487544	0.000448541	2.57164E-05	2.30377E-05	91576.40244	3536.568651	7.443055406	3936375.282
Kern	2027	Agricultural - Forage & Silage Harvesters	Aggregate	750	Diesel	0.001737666	0.002102576	0.002502239	0.014094891	0.017795134	3.250339983	0.000835046	0.000768243	2.96785E-05	2.65966E-05	105723.0631	35218.62519	8.126494045	4544463.868
Kern	2027	Agricultural - Forage & Silage Harvesters	Aggregate	9999	Diesel	0.001145476	0.001386026	0.001649485	0.009236216	0.015642717	1.969492552	0.000527725	0.000485507	1.79804E-05	1.61158E-05	64061.23251	19870.74064	3.609307715	2753646.63
Kern	2027	Agricultural - Forklifts	Aggregate	100	Diesel	0.001280296	0.001549158	0.001843626	0.011479083	0.009825474	1.854920978	0.000739889	0.000680697	1.69284E-05	1.51783E-05	60334.58919	56816.42072	36.33596878	2587880.72
Kern	2027	Agricultural - Forklifts	Aggregate	175	Diesel	0.000179498	0.000217193	0.000258478	0.001880717	0.001688829	0.320997601	7.81901E-05	7.19349E-05	2.93075E-06	2.62663E-06	10441.01533	7723.86807	5.070654115	497868.5568
Kern	2027	Agricultural - Forklifts	Aggregate	50	Diesel	0.000952949	0.001153069	0.001372247	0.005018577	0.004033426	0.596090867	0.000234349	0.000215601	5.4238E-06	4.87764E-06	19388.91092	23950.24506	25.81666635	831632.2227
Kern	2027	Agricultural - Forklifts	Aggregate	75	Diesel	0.003015493	0.003648747	0.00434231	0.023840507	0.028074297	3.884670362	0.001343131	0.001235681	3.54423E-05	3.17871E-05	126355.7818	64323.17974	99.42996227	5419672.141
Kern	2027	Agricultural - Hay Squeeze/Stack retriever	Aggregate	175	Diesel	0.000377922	0.000457285	0.000544208	0.00415189	0.003398028	0.688217779	0.000167451	0.000154055	6.28373E-06	5.63149E-06	22385.50183	15012.38543	9.716822381	1016598.585
Kern	2027	Agricultural - Hay Squeeze/Stack retriever	Aggregate	300	Diesel	0.000427046	0.000516725	0.000614946	0.002419237	0.004360851	0.957773179	0.000190153	0.000174941	8.74786E-06	7.83718E-06	31153.2685	12867.87166	7.876520714	1414771.436
Kern	2027	Agricultural - Hay Squeeze/Stack retriever	Aggregate	600	Diesel	7.95474E-05	9.62523E-05	0.000114548	0.000595788	0.000828676	0.19306574	3.30694E-05	3.04238E-05	1.76357E-06	1.5798E-06	6279.805044	5088.295798	0.952352765	285186.4149
Kern	2027	Agricultural - Hay Squeeze/Stack retriever	Aggregate	75	Diesel	4.79584E-05	5.80297E-05	6.90601E-05	0.000375764	0.000444173	0.061255815	2.11409E-05	1.94497E-05	5.58863E-07	5.01239E-07	1992.453842	15564.78597	1.358988896	81391.09008
Kern	2027	Agricultural - Misc - 2-Wheel Tractors	Aggregate	15	Gasoline	0.002078	0.002098	0.002286	0.06538	0.00157	2.616E-05	0.000848	0.0006406	0.000001048	0.000001448	4100	0	52.66141227	0
Kern	2027	Agricultural - Misc - 2-Wheel Tractors	Aggregate	25	Gasoline	0.0001174	0.0001184	0.0001292	0.003702	0.00007772	0.000001402	4.532E-05	0.0000343	5.924E-08	8.18E-08	232.6	0	1.4093297	0
Kern	2027	Agricultural - Misc - 2-Wheel Tractors	Aggregate	5	Gasoline	0.0005766	0.000584	0.0006352	0.01418	0.000265	0.000005416	0.000006832	5.15E-06	2.374E-07	3.274E-07	906	0	45.25462615	0
Kern	2027	Agricultural - Misc - Hydro Power Units	Aggregate	15	Gasoline	0.000958	0.00097	0.001056	0.02998	0.0007256	0.000012	0.0003884	0.0002944	4.792E-07	6.612E-07	1880	0	19.12622953	0
Kern	2027	Agricultural - Misc - Hydro Power Units	Aggregate	15	Diesel	0.00001116	0.00001342	0.00001601	0.0000704	0.0000841	0.000002031	2.955E-06	0.000002239	1.55E-09	1.33E-09	5.305	0	1.722332289	0
Kern	2027	Agricultural - Misc - Hydro Power Units	Aggregate	25	Gasoline	0.000822	0.00083	0.000902	0.02574	0.0005436	0.00000972	0.0003156	0.000238	4.098E-07	5.674E-07	1616	0	7.291138554	0
Kern	2027	Agricultural - Misc - Hydro Power Units	Aggregate	25	Diesel	0.00003951	0.00004751	0.0000567	0.0001624	0.0003003	0.00000693	0.00001009	0.00000763	4.184E-09	3.595E-09	14.29	0	3.094404176	0
Kern	2027	Agricultural - Misc - Hydro Power Units	Aggregate	5	Gasoline	0.0001544	0.0001558	0.00017	0.003718	0.00007094	1.416E-06	0.000001786	1.35E-06	6.106E-08	8.44E-08	237.8	0	9.583008616	0
Kern	2027	Agricultural - Misc - Mowers	Aggregate	15	Gasoline	0.000842	0.00085	0.000928	0.02446	0.0006376	0.0000098	0.0003186	0.00024	3.968E-07	5.472E-07	1544	0	47.00886567	0
Kern	2027	Agricultural - Misc - Mowers	Aggregate	25	Gasoline	0.001638	0.001654	0.001802	0.04772	0.001084	0.00001804	0.0005844	0.000442	7.692E-07	0.000001062	3006	0	38.447055	0
Kern	2027	Agricultural - Misc - Other	Aggregate	15	Gasoline	0.00006688	0.00006742	0.00007342	0.002066	5.05E-05	0.000000828	0.00002682	0.00002028	3.332E-08	4.584E-08	129.8	0	3.442333378	0
Kern	2027	Agricultural - Misc - Other	Aggregate	15	Diesel	0.00001172	0.00001404	1.686E-05	0.0000739	0.0000882	0.000002129	0.000003102	0.00000234	1.624E-09	1.402E-09	5.56	0	2.585644821	0
Kern	2027	Agricultural - Misc - Other	Aggregate	25	Gasoline	0.0000445	4.48E-05	0.0000492	0.001388	0.00002942	5.232E-07	0.00001696	0.0000128	2.216E-08	3.068E-08	87.2	0	0.870202548	0
Kern	2027	Agricultural - Misc - Other	Aggregate	25	Diesel	0.00004332	5.207E-05	0.0000623	0.0001773	0.0003297	0.0000076	0.00001108	0.00000837	4.579E-09	3.95E-09	15.74	0	5.033281624	0
Kern	2027	Agricultural - Misc - Other	Aggregate	5	Gasoline	0.00004686	0.00004736	0.00005154	0.00121	0.0000215	0.000000463	5.828E-07	0.00000044	2.024E-08	2.788E-08	77.04	0	4.80079118	0
Kern	2027	Agricultural - Misc - Sprayers	Aggregate	15	Gasoline	0.000496	0.0005012	0.0005466	0.01412	0.000357	0.000005598	0.0001814	0.000137	2.322E-07	3.202E-07	892	0	54.09726509	0
Kern	2027	Agricultural - Misc - Sprayers	Aggregate	25	Gasoline	0.003252	0.00328	0.003574	0.0936	0.002068	0.00003518	0.00114	0.000862	0.000001516	0.000002092	5918	0	139.9633957	0
Kern	2027	Agricultural - Misc - Sprayers	Aggregate	25	Diesel	0.00001809	0.00002177	0.00002597	0.0000737	0.0001367	0.000003139	0.000004801	0.000003631	1.907E-09	1.638E-09	6.52	0	9.962099066	0
Kern	2027	Agricultural - Misc - Sprayers	Aggregate	5	Gasoline	0.001128	0.00114	0.001242	0.027480976	0.0005172	0.0000105	1.322E-05	0.00001	4.666E-07	6.428E-07	1758	0	177.4361275	0
Kern	2027	Agricultural - Misc - Tillers	Aggregate	15	Gasoline	0.02458	0.02482	0.02706	1.186943148	0.01528	0.0004634	0.00007024	0.00005308	1.894E-05	2.612E-05	72880	0	6068.820503	0
Kern	2027	Agricultural - Misc - Tillers	Aggregate	15	Diesel	0.000000537	0.000000645	0.000000771	0.000003792	0.00000453	1.094E-07	1.599E-07	1.205E-07	8.06E-11	6.94E-11	0.2758	0	0.252574877	0
Kern	2027	Agricultural - Nut Harvester	Aggregate	100	Diesel	0.003260156	0.003944789	0.004694624	0.02679121	0.025787185	4.228196186	0.001981717	0.00182318	3.85771E-05	3.45981E-05	137529.5675	77110.25995	71.24061864	5317590.85
Kern	2027	Agricultural - Nut Harvester	Aggregate	175	Diesel	0.002561051	0.003098872	0.003687914	0.025623988	0.024637661	4.279297493	0.001180088	0.001085681	3.90655E-05	3.50163E-05	139191.728	62522.58618	57.13363697	5983101.121
Kern	2027	Agricultural - Nut Harvester	Aggregate	25	Diesel	7.75432E-05	9.38273E-05	0.000111662	0.000385789	0.000326473	0.045368259	1.61373E-05	1.48463E-05	4.12653E-07	3.71235E-07	1475.682961	299.8995467	3.637538014	57057.39043
Kern	2027	Agricultural - Nut Harvester	Aggregate	300	Diesel	0.000899126	0.001087942	0.001294741	0.004569964	0.008506781	1.49901258	0.000424723	0.000390745	1.36844E-05	1.2266E-05	48758.03835	8762.288415	9.701966123	2095844.913
Kern	2027	Agricultural - Nut Harvester	Aggregate	50	Diesel	0.001368837	0.001656293	0.001971126	0.000694838	0.005133595	0.73511723	0.000334593	0.000307826	6.68299E-06	6.01525E-06	23910.98953	24635.85051	27.51411818	924520.173
Kern	2027	Agricultural - Nut Harvester	Aggregate	75	Diesel	0.000463294	0.000560586	0.000667144	0.003702972	0.004329536	0.601224275	0.000205971	0.000189494	5.48545E-06	4.91964E-06	19555.8841	21286.56639	12.12760176	756129.7001
Kern	2027	Agricultural - Other Harvesters	Aggregate	100	Diesel	0.002241212	0.002711866	0.003227345	0.018713007	0.017259845	2.993027517	0.001307871	0.001203241	2.73097E-05	2.44911E-05	97353.51952	50834.18286	47.78884862	3764180.996
Kern	2027	Agricultural - Other Harvesters	Aggregate	175	Diesel	0.002269379	0.002745949	0.003267906	0.022775218	0.021822526	3.809399878	0.001042762	0.000959341	3.47762E-05	3.11712E-05

Kern	2027 Airport Ground Support - Forklift	Aggregate	750	Diesel	2.59479E-08	3.13969E-08	3.7365E-08	1.77654E-07	3.80382E-07	0.000242606	1.73487E-08	1.59608E-08	2.29818E-09	0	7.6867124	0.817851005	0.002039	151.3617061
Kern	2027 Airport Ground Support - Fuel Truck	Aggregate	300	Diesel	1.25325E-07	1.51643E-07	1.80468E-07	4.94935E-07	1.74364E-06	0.000583489	6.54095E-08	6.01768E-08	5.52731E-09	0	18.48722246	5.479017596	0.006117	364.0055007
Kern	2027 Airport Ground Support - Fuel Truck	Aggregate	600	Diesel	4.8638E-08	5.8852E-08	7.00387E-08	2.87828E-07	5.52784E-07	0.000189243	1.53063E-08	1.40818E-08	1.79268E-09	0	5.995968901	1.371148097	0.002039	117.1208151
Kern	2027 Airport Ground Support - Generator	Aggregate	100	Diesel	5.62277E-09	6.80355E-09	8.09679E-09	9.75736E-08	8.33777E-08	1.77643E-05	3.46463E-09	3.18746E-09	1.68279E-10	0	0.562841724	0.443236041	0.002039	9.866763773
Kern	2027 Airport Ground Support - Generator	Aggregate	175	Diesel	3.18611E-08	3.85519E-08	4.588E-08	3.40191E-07	4.23007E-07	0.000127667	2.12068E-08	1.95103E-08	1.20937E-09	0	4.00497812	1.786768258	0.002039	79.5495794
Kern	2027 Airport Ground Support - Lift	Aggregate	100	Diesel	4.8563E-07	5.87613E-07	6.99308E-07	3.31366E-06	6.34673E-06	0.003111815	3.45577E-07	3.17931E-07	2.94778E-08	0	98.59453386	70.21041773	0.135119175	1754.463103
Kern	2027 Airport Ground Support - Lift	Aggregate	175	Diesel	5.51648E-07	6.67494E-07	7.94374E-07	4.04732E-06	7.6506E-06	0.003555737	2.93973E-07	2.70455E-07	3.3683E-08	0	112.659714	65.94714099	0.081614246	2227.211411
Kern	2027 Airport Ground Support - Lift	Aggregate	300	Diesel	1.37512E-07	1.66389E-07	1.98017E-07	5.77947E-07	2.14674E-06	0.000921095	6.68306E-08	6.14842E-08	8.72541E-09	0	29.18390082	9.193036741	0.012234	575.8510231
Kern	2027 Airport Ground Support - Lift	Aggregate	50	Diesel	5.88363E-07	7.11919E-07	8.47242E-07	2.77978E-06	1.67451E-05	0.002083697	2.63424E-07	2.4235E-07	1.97386E-08	0	66.01971207	84.63059165	0.187712095	1174.797174
Kern	2027 Airport Ground Support - Lift	Aggregate	75	Diesel	6.21044E-07	7.51463E-07	8.94303E-07	4.13904E-06	2.01809E-05	0.002822734	3.1717E-07	2.91796E-07	2.67394E-08	0	89.43530709	83.6200594	0.150973836	1589.703805
Kern	2027 Airport Ground Support - Misc - A/C Tug Narrow Body	Aggregate	175	Gasoline	2.00262E-05	1.842O1E-05	2.20376E-05	0.001352676	0.000131509	0.034907605	2.5025E-06	1.89078E-06	3.46771E-07	4.9485E-07	1412.55	138.7	0.17	18031
Kern	2027 Airport Ground Support - Misc - A/C Tug Wide Body	Aggregate	600	Gasoline	9.97843E-06	9.17816E-06	1.09807E-05	0.001052761	9.63535E-05	0.030441923	2.24572E-06	1.69676E-06	3.11188E-07	4.27079E-07	1219.1	25.55	0.07	12775
Kern	2027 Airport Ground Support - Misc - Air Conditioner	Aggregate	175	Gasoline	7.75007E-09	7.12851E-09	8.52848E-09	9.69358E-07	9.66813E-08	3.12707E-05	2.24177E-09	1.69378E-09	3.10641E-10	0	0	0	0	0
Kern	2027 Airport Ground Support - Misc - Air Conditioner	Aggregate	175	Nat Gas	0	0	3.70448E-09	4.14479E-06	4.23787E-07	0.000168048	0	0	0	0	0	0	0	0
Kern	2027 Airport Ground Support - Misc - Air Start Unit	Aggregate	175	Gasoline	8.06718E-07	7.42019E-07	8.87744E-07	9.34004E-05	9.29832E-06	0.002957977	2.12055E-07	1.6022E-07	2.93844E-08	3.45244E-08	98.55	0	0.1	0
Kern	2027 Airport Ground Support - Misc - Baggage Tug	Aggregate	100	Gasoline	0.000167338	0.000153917	0.000184145	0.012346965	0.00101139	0.308181266	2.14871E-05	1.62347E-05	2.97746E-06	4.35007E-06	12417.3	2390.75	2.68	239075
Kern	2027 Airport Ground Support - Misc - Baggage Tug	Aggregate	100	Nat Gas	0	0	5.07133E-06	0.002227064	0.000234526	0.050621886	0	0	0	0	2788.6	438	0.56	43800
Kern	2027 Airport Ground Support - Misc - Belt Loader	Aggregate	100	Gasoline	4.10562E-05	3.77635E-05	4.51798E-05	0.003099172	0.000245092	0.073481102	5.12328E-06	3.87092E-06	7.0993E-07	1.03957E-06	2967.45	1043.9	1.28	62634
Kern	2027 Airport Ground Support - Misc - Belt Loader	Aggregate	100	Nat Gas	0	0	3.63895E-07	0.000190499	1.91195E-05	0.004879678	0	0	0	0	244.55	65.7	0.1	3942
Kern	2027 Airport Ground Support - Misc - Bobtail	Aggregate	100	Gasoline	2.68814E-05	2.47255E-05	2.95813E-05	0.001983432	0.000162471	0.049506666	3.45172E-06	2.60797E-06	4.78303E-07	6.96881E-07	1989.25	383.25	0.44	38325
Kern	2027 Airport Ground Support - Misc - Bobtail	Aggregate	100	Nat Gas	0	0	6.39961E-08	4.3786E-05	3.97209E-06	0.001220514	0	0	0	0	69.35	0	0	0
Kern	2027 Airport Ground Support - Misc - Cargo Loader	Aggregate	100	Gasoline	1.12894E-05	1.0384E-05	1.24233E-05	0.000850838	6.74725E-05	0.020263842	1.41284E-06	1.06748E-06	1.95777E-07	2.85146E-07	813.95	237.25	0.32	16607.5
Kern	2027 Airport Ground Support - Misc - Cargo Loader	Aggregate	100	Nat Gas	0	0	5.10985E-07	0.00020472	2.2162E-05	0.00430107	0	0	0	0	233.6	47.45	0	3321.5
Kern	2027 Airport Ground Support - Misc - Cargo Tractor	Aggregate	100	Gasoline	0.000303216	0.000278898	0.00033367	0.029220625	0.001526246	0.34429066	2.40048E-05	1.81369E-05	2.8425E-06	5.18633E-06	14804.4	2868.9	2.12	272545.5
Kern	2027 Airport Ground Support - Misc - Cargo Tractor	Aggregate	175	Nat Gas	0	0	1.74868E-07	0.000160902	1.62031E-05	0.006142623	0	0	0	0	324.85	7.3	0.18	1135.88
Kern	2027 Airport Ground Support - Misc - Cart	Aggregate	15	Gasoline	4.21723E-07	4.2594E-07	4.64082E-07	2.09861E-05	2.62645E-07	8.18976E-09	8.2446E-10	6.22926E-10	3.2823E-10	4.53078E-10	1.286	0	0.116447788	0
Kern	2027 Airport Ground Support - Misc - Catering Truck	Aggregate	300	Gasoline	4.05591E-05	3.73062E-05	4.46328E-05	0.002401833	0.000231406	0.055462156	4.09147E-06	3.09133E-06	4.84487E-07	7.86389E-07	2244.75	226.3	0.18	46142.57
Kern	2027 Airport Ground Support - Misc - Catering Truck	Aggregate	300	Nat Gas	0	0	1.81367E-07	0.000125657	1.22955E-05	0.004247428	0	0	0	0	226.3	0	0	0
Kern	2027 Airport Ground Support - Misc - Deicer	Aggregate	100	Gasoline	2.93633E-07	2.70083E-07	3.23125E-07	1.13913E-05	2.11555E-06	0.000758561	5.28887E-08	3.99604E-08	7.32876E-09	1.27868E-09	3.65	0	0.13	0
Kern	2027 Airport Ground Support - Misc - Forklift	Aggregate	50	Gasoline	1.17265E-05	1.0786E-05	1.29043E-05	0.001088096	2.66011E-05	0.008386179	5.78136E-07	4.36814E-07	1.01961E-07	1.3554E-07	386.9	237.25	0.29	11862.5
Kern	2027 Airport Ground Support - Misc - Forklift	Aggregate	50	Nat Gas	0	0	7.72629E-07	0.000208867	5.64941E-05	0.01690195	1.50315E-06	0	0	0	894.25	551.15	0.75	27557.5
Kern	2027 Airport Ground Support - Misc - Fuel Truck	Aggregate	175	Gasoline	8.08583E-08	7.43735E-08	8.89797E-08	1.01419E-05	1.01111E-06	0.000327179	2.34552E-08	1.77217E-08	3.25018E-09	0	0	0	0.16	0
Kern	2027 Airport Ground Support - Misc - Fuel Truck	Aggregate	175	Nat Gas	0	0	4.94622E-08	3.17367E-05	3.07616E-06	0.001027904	0	0	0	0	40.15	0	0	0
Kern	2027 Airport Ground Support - Misc - Generator	Aggregate	100	Gasoline	2.89439E-06	2.66226E-06	3.1851E-06	0.000227151	1.31006E-05	0.002892933	2.01702E-07	1.52397E-07	2.38843E-08	3.70818E-08	105.85	0	0	0
Kern	2027 Airport Ground Support - Misc - Ground Power Unit	Aggregate	175	Gasoline	1.74629E-05	1.60624E-05	1.92168E-05	0.001780469	0.000162236	0.052198241	3.74206E-06	2.82733E-06	5.18535E-07	7.2757E-07	2076.85	200.75	0.24	30112.5
Kern	2027 Airport Ground Support - Misc - Hydrant Truck	Aggregate	175	Gasoline	5.52056E-05	5.07781E-05	6.07503E-05	0.002779643	0.000263616	0.057710537	4.13723E-06	3.12591E-06	4.89906E-07	8.22192E-07	2346.95	281.05	0.16	34147.575
Kern	2027 Airport Ground Support - Misc - Lav Cart	Aggregate	15	Gasoline	3.61271E-08	3.64883E-08	3.97554E-08	1.79892E-06	2.24955E-08	7.02026E-10	7.06725E-11	5.3397E-11	2.81347E-11	3.88363E-11	0.1102	0	0.010017534	0
Kern	2027 Airport Ground Support - Misc - Lav Truck	Aggregate	175	Gasoline	1.47298E-05	1.35484E-05	1.62092E-05	0.001103382	9.7121E-05	0.028074859	2.01267E-06	1.52068E-06	2.78894E-07	3.96391E-07	1131.5	375.95	0.31	48873.5
Kern	2027 Airport Ground Support - Misc - Lav Truck	Aggregate	175	Nat Gas	0	0	2.32E-08	1.69109E-05	1.66438E-06	0.000586439	0	0	0	0	3.65	0	0	0
Kern	2027 Airport Ground Support - Misc - Lift	Aggregate	100	Gasoline	1.58727E-05	1.45997E-05	1.74669E-05	0.001014353	8.74744E-05	0.02511299	1.75094E-06	1.32293E-06	2.42627E-07	3.55473E-07	1014.7	211.7	0.56	21170
Kern	2027 Airport Ground Support - Misc - Lift	Aggregate	100	Nat Gas	0	0	4.10487E-08	2.62358E-05	2.51103E-06	0.000743323	0	0	0	0	18.25	0	0	0
Kern	2027 Airport Ground Support - Misc - Maint. Truck	Aggregate	175	Gasoline	1.00959E-05	9.28625E-06	1.111E-05	0.000929658	8.54516E-05	0.026638501	1.9097E-06	1.44288E-06	2.64626E-07	3.78495E-07	1080.4	171.55	0.39	22301.5
Kern	2027 Airport Ground Support - Misc - Other	Aggregate	50	Gasoline	8.14586E-06	7.49256E-06	8.96402E-06	0.000636479	1.784E-05	0.006415311	4.42266E-07	3.34156E-07	7.79985E-08	9.2065E-08	262.8	87.6	0.58	4380
Kern	2027 Airport Ground Support - Misc - Other	Aggregate	50	Nat Gas	0	0	6.82805E-07	9.75948E-05	2.75857E-05	0.005800876	0	0	0	0	292	94.9	0.05	4745
Kern	2027 Airport Ground Support - Misc - Passenger Stand	Aggregate	175	Gasoline	2.78561E-06	2.5622E-06	3.06539E-06	0.000282121	2.79533E-05	0.008605058	6.16891E-07	4.66095E-07	7.61569E-08	1.17639E-07	335.8	36.5	0.2	4566.15
Kern	2027 Airport Ground Support - Misc - Passenger Stand	Aggregate	175	Nat Gas	0	0	5.07067E-10	5.77293E-07	5.90097E-08	2.35152E-05	0	0	0	0	0	0	0	0
Kern	2027 Airport Ground Support - Misc - Service Truck	Aggregate	300	Gasoline	4.99056E-05	4.59032E-05	5.49181E-05	0.003187455	0.000308596	0.077288052	5.70158E-06	4.30786E-06	7.90064E-07	1.09199E-06	3117.1	956.3	1.11	172134
Kern	2027 Airport Ground Support - Misc - Service Truck	Aggregate	300	Nat Gas	0	0	6.42592E-07	0.000379405	3.22268E-05	0.010791011	0	0	0	0	576.7	146	0.09	26280
Kern	2027 Airport Ground Support - Misc - Sweeper	Aggregate	100	Gasoline	3.76999E-07	3.46764E-07	4.14865E-07	2.38482E-05	2.09358E-06	0.000605875	4.22431E-08	3.1917E-08	5.00217E-09	0	0	0	0	0
Kern	2027 Airport Ground Support - Misc - Sweeper	Aggregate	50	Nat Gas	0	0	5.38526E-09	1.53823E-06	4.27684E-07	0.000128428	0	0	0	0	0	0	0	0
Kern	2027 Airport Ground Support - Misc - Water Truck	Aggregate	175	Gasoline	8.17129E-07	7.51595E-07	8.99201E-07	7.32832E-05	7.23055E-06	0.002148537	1.54027E-07	1.16376E-07	2.13435E-08	2.30163E-08	65.7	3.65	0.03	547.5
Kern	2027 Airport Ground Support - Other	Aggregate	100	Diesel	3.286E-07	3.97606E-07	4.73184E-07	3.17371E-06	4.49811E-06	0.001220428	2.45175E-07	2.25561E-07	1.1561E-08	0	38.66794205	26.29706252	0.046897	684.4671009
Kern	2027 Airport Ground Support - Other	Aggregate	175	Diesel	8.08697E-07	9.78523E-07	1.16452E-06	7.13767E-06	1.12122E-05	0.004950668	4.04744E-07	3.72365E-07	4.6897E-08	0	156.8565917	80.85837587	0.099984447	3097.954905
Kern	2027 Airport Ground Support - Other	Aggregate	300	Diesel	1.56436E-06	1.89288E-06	2.25268E-06	6.84578E-06	2.13573E-05	0.009081816	8.80596E-07	8.10148E-07	8.60308E-08	0	287.7475957	86.79160188	0.120411275	5683.408442
Kern	2027 Airport Ground Support - Other	Aggregate	50	Diesel	1.25655E-06	1.52043E-06	1.80944E-06	8.40373E-06	2.03271E-05	0.002125015	5.27495E-07	4.85295E-07	2.013E-08	0	67.32880845	120.1810509	0.236532927	1192.442086
Kern	2027 Airport Ground Support - Other	Aggregate	600	Diesel	9.37266E-07	1.13409E-06	1.34966E-06	3.43937E-06	1.24118E-05	0.007673125	4.22889E-07	3.89058E-07	7.26865E-08	0	243.1147442	48.85058906	0.06117	4804.887999
Kern	2027 Airport Ground Support - Other	Aggregate	75	Diesel	9.76751E-07	1.18187E-06	1.40652E-06	6.32782E-06	2.39325E-05	0.003209264	5.67313E-07	5.21928E-07	3.04009E-08	0	101.6820783	97.34412587	0.183630544	1804.704833
Kern	2027 Airport Ground Support - Other	Aggregate	750	Diesel	1.16502E-07	1.40967E-07	1.67762E-07	4.74285E-07	1.55875E-06	0.000791141	5.55779E-08	5.11317E-08	7.49437E-09	0	25.0664526	2.757166851	0.004078	494.574891
Kern	2027 Airport Ground Support - Other	Aggregate	9999	Diesel	6.11426E-07	7.39826E-07	8.80454E-07	1.6107E-06	2.325E-05	0.005260766	4.38323E-07	4.03257E-07	4.98345E-08	0	166.6817106	4.245700697	0.006117	3304.231286
Kern	2027 Airport Ground Support - Passenger Stand	Aggregate	175	Diesel	2.83016E-08	3.4245E-08	4.07543E-08	1.38281E-07	3.61593E-07	0.000155785	1.73512E-08	1.59631E-08	1.47573E-09	0	4.935882156	2.8755682	0.004078	97.72542304
Kern	2027 Airport Ground Support - Passenger Stand	Aggregate	300	Diesel	1.62181E-08	1.96239E-08	2.33541E-08	4.95734E-08	2.47268E-07	0.000224285	6.5044E-09	5.98404E-09	2.12462E-09	0	7.106238788	1.799124124	0.002046736	140.8712236
Kern	2027 Airport Ground Support - Passenger Stand	Aggregate	50	Diesel	1.53796E-07	1.86093E-07	2.21466E-07	8.96909E-07	2.97547E-06	0.00034044	5.67634E-08	5.22223E-08	3.22494E-09	0	10.78647916	16.63117966	0.030624876	191.5406489
Kern	2027 Airport Ground Support - Passenger Stand	Aggregate	75	Diesel	2.29134E-07	2.77252E-07	3.29953E-07	1.19101E-06	6.1736E-06	0.000821624	9.30319E-08	8.55893E-08	7.78314E-09	0	26.03227375	28.87572339	0.040851598	462.8317697
Kern	2027 Construction and Mining - Bore/Drill Rigs	Aggregate	100	Diesel	5.8243E-05	7.0474E-05	8.38699E-05	0.000486336	0.00070841	0.181048311	4.58506E-05	4.21826E-05	1.71505E-06	0	5736.321474	3896.926605	4.505040992	101569.1599
Kern	2027 Construction and Mining - Bore/Drill Rigs	Aggregate	175	Diesel	0.000279192	0.000337822	0.000402036	0.002200062	0.003615312	1.295028116	0.000160023	0.000147221	1.22676E-05	0	41031.57628	19496.84335	17.85190225	809917.7058
Kern	2027 Construction and Mining - Bore/Drill Rigs	Aggregate	300	Diesel	0.000355005	0.000429556	0.000511208	0.001563391	0.004607625	1.558953556	0.000190928	0.000175654	1.47678E-05	0	49393.77068	15128.19929	13.9677706	973720.0413
Kern	2027 Construction and Mining - Bore/Drill Rigs	Aggregate	50	Diesel	4.60671E-05	5.57412E-05	6.63366E-05	0.000209973	0.000537372	0.061011318	1.86014E-05	1.71133E-05	5.77952E-07	0	1933.078131	2909.255659	3.657062404	34297.7822
Kern	2027 Construction and Mining - Bore/Drill Rigs	Aggregate	600	Diesel	0.000459078	0.000555484	0.000661072	0.002877471	0.0055197	2.247990703	0.000253733	0.000233435	2.12949E-05	0	71225.17335	12156.55956	12.00179155	1405731.805
Kern	2027 Construction and Mining - Bore/Drill Rigs	Aggregate	75	Diesel	7.0947E-05	8.58458E-05	0.000102164	0.000410409	0.001715482	0.233336649	3.64778E-05	3.35595E-05	2.21037E-06	0	7393.021343	6953.818478	8.518768508	131347.3579
Kern	2027 Construction and Mining - Bore/Drill Rigs	Aggregate	750	Diesel	0.000166532	0.000201503	0.000239806	0.000679144	0.002061787	0.924675926	8.21623E-05	7.55893E-05	8.75933E-06	0	29297.36455	3104.574372	3.12279508	577613.3187
Kern	2027 Construction and Mining - Bore/Drill Rigs	Aggregate	9999	Diesel	6.57028E-05	7.95003E-05	9.4612E-05	0.000254831	0.001335254	0.301857873	2.9063E-05	2.6738E-05	2.85946E-06	0	9564.042807	775.9168699	0.758171474	188411.7702
Kern	2027 Construction and Mining - Bucket	Aggregate	100	Diesel	4.39379E-06	5.31649E-06	6.32706E-06	2.81175E-05	4.9999E-05	0.013985464	3.49625E-06	3.21655E-06	1.32482E-07	0	443.1144309	322.5470895	0.490581542	7861.726274
Kern	2027 Construction and Mining - Bucket	Aggregate	175	Diesel	4.0659E-06	4.91974E-06	5.85489E-06	3.55345E-05	5.34078E-05	0.022324381	2.07439E-06	1.90844E-06	2.11476E-07	0	707.3240488	366.3689384	0.490581542	13965.11739
Kern	2027 Construction and Mining - Bucket	Aggregate	300	Diesel	8.20265E-06	9.92521E-06	1.18118E-05	3.07779E-05	0.000106305	0.058030626	4.16622E-06	3.83293E-06	5.49716E-07	0	1838.638104	519.2405471	0.579778186	36359.26343
Kern	2027 Construction and Mining - Bucket	Aggregate	50	Diesel	2.62923E-06	3.18137E-06	3.7861E-06	1.43729E-05	4.16937E-05	0.0047791	1.11444E-06	1.02529E-06	4.52718E-08	0	151.4206634	222.3754767	0.401384898	2686.962737
Kern	2027 Construction and Mining - Bucket	Aggregate	75	Diesel	3.21981E-06	3.89597E-06	4.63652E-06	1.63314E-05	9.60496E-05	0.013467403	1.40835E-06	1.29568E-06	1.27575E-07	0	426.7002076	375.7631854	0.579778186	7593.602105
Kern	2027 Construction and Mining - Bucket	Aggregate	750	Diesel	4.41734E-06	5.34499E-06	6.36098E-06	1.48134E-05	4.29621E-05	0.046259183	3.09135E-06	2.84404E-06	4.38207E-07	0	1465.672575	136.5804444	0.178393288	29010.54015
Kern	2027 Construction and Mining - Compactor	Aggregate	100	Diesel	9.00407E-07	1.08949E-06	1.29659E-06	1.05719E-05	1.5681E-05	0.006523431	1.19128E-06	1.09598E-06	6.17956E-08	0	206.6878993	145.8633406	0.267589932	3670.491966
Kern	2027 Construction and Mining - Compactor	Aggregate	175	Diesel	1.46767E-05	1.77588E-05	2.11344E-05	0.000131881	0.000212233	0.112745238	7.17187E-06	6.59812E-06	1.06802E-06	0	3572.211875	1744.171646	2.140719456	70617.19429
Kern	2027 Construction and Mining - Compactor	Aggregate	300	Diesel	3.95053E-06	4.78014E-06	5.68876E-06	1.70817E-05	5.27436E-05	0.028849808	1.76262E-06	1.62161E-06	2.7329E-07	0	914.0752109	268.7272676	0.356786576	18047.2206
Kern	2027 Construction and Mining - Compactor	Aggregate	50	Diesel	3.32993E-06	4.02921E-06	4.79509E-06	1.44075E-05	6.19371E-05	0.0069316	7.4595E-07	6.86274E-07	6.56621E-08	0	219.6202964	392.0491523	0.758171474	3905.687759
Kern	2027 Construction and Mining - Compactor	Aggregate	600	Diesel	8.83649E-06	1.06922E-05	1.27245E-05	3.77271E-05	0.000103144	0.074759338	3.29022E-06	3.02701E-06	7.08185E-07	0	2368.669421	372.8836852	0.490776807	46796.28177
Kern	2027 Construction and Mining - Compactor	Aggregate	75	Diesel	1.5519E-06	1.8778E-06	2.23473E-06	7.56755E-06	5.18691E-05	0.007448543	5.51329E-07	5.07222E-07	7.05591E-08	0	235.9990931	210.1191376	0.401384898	4202.094954
Kern	2027 Construction and Mining - Compactor	Aggregate	9999	Diesel	2.2678E-06	2.74404E-06	3.26564E-06	9.95638E-06	9.45055E-05	0.021236991	9.43561E-07	8.68076E-07	2.01175E-07	0	672.8712852	29.75575251	0.044598322	13338.73011
Kern	2027 Construction and Mining - Concrete Mixer	Aggregate	175	Diesel	7.0837E-07	8.57127E-07	1.02005E-06	5.71698E-06	1.04346E-05	0.006381399	3.99601E-07	3.67633E-07	6.04502E-08	0	202.1877866	102.4519639	0.133794966	4001.151925
Kern	2027 Construction and Mining - Concrete Mixer	Aggregate	300	Diesel	6.20192E-07	7.50433E-07	8.93077E-07	1.3898E-06	7.06939E-06	0.007617458	3.38272E-07	3.1121E-07	7.21592E-08	0	241.3509798	72.74298365	0.089196644	4784.444888
Kern	2027 Construction and Mining - Concrete Mixer	Aggregate	50	Diesel	1.00085E-06	1.21103E-06	1.44123E-06	2.0649E-06	2.96971E-05	0.003160092	1.46024E-07	1.34343E-07	2.99351E-08	0	100.1241151	220.3362911	0.44598322	1785.365269
Kern	2027 Construction and Mining - Concrete Mixer	Aggregate	600	Diesel	8.36928E-07	1.01268E-06	1.20518E-06	3.22539E-06	1.06538E-05	0.005928598	3.7055E-07	3.40906E-07	5.61608E-08	0	187.8412572	38.88717829	0.044598322	3709.195331
Kern	2027 Construction and Mining - Concrete Mixer	Aggregate	75	Diesel	3.09994E-07	3.75093E-07	4.46391E-07	7.46433E-07	6.32239E-06	0.000875641	8.77818E-08	8.07592E-08	8.29483E-09	0	27.74374846	28.25030348	0.044598322	494.7132354
Kern	2027 Construction and Mining - Concrete Pump	Aggregate	100	Diesel	1.12097E-06	1.35637E-06	1.61419E-06	7.87252E-06	1.42729E-05	0.005654295	1.17529E-06	1.08127E-06	5.35624E-08	0	179.1502857	116.3296421	0.178562494	3184.777845
Kern	2027 Construction and Mining - Concrete Pump	Aggregate	175	Diesel	1.1773E-05	1.42453E-05	1.69531E-05	0.000105359	0.000157145	0.097923473	5.04827E-06	4.64441E-06	9.27616E-07	0	3102.600169	1377.960196	1.427146304	61352.79841
Kern	2027 Construction and Mining - Concrete Pump	Aggregate	300	Diesel	3.7814E-06	4.5755E-06	5.44522E-06	1.33408E-05	4.95314E-05	0.039096364	1.87546E-06	1.72542E-06	3.70355E-07	0	1238.72634	416.5456501	0.535179864	24548.62595
Kern	2027 Construction and Mining - Concrete Pump	Aggregate	50	Diesel	2.56557E-07	3.10434E-07	3.69442E-07	1.41689E-06	4.48552E-06	0.000545261	8.14875E-08	7.49685E-08	5.16518E-09	0	17.27599669	21.09906701	0.044598322	306.8581989
Kern	2027 Construction and Mining - Concrete Pump	Aggregate	600	Diesel	1.68488E-05	2.03871E-05	2.42623E-05	6.8386E-05	0.000228883	0.094217548	8.1441E-06	7.49257E-06	8.9251E-07	0	2985.181921	534.6301004	0.802769796	58834.40569
Kern	2027 Construction and Mining - Concrete Pump	Aggregate	75	Diesel	2.00314E-06	2.4238E-06	2.88452E-06	1.15126E-05	4.61845E-05	0.006425738	1.08819E-06	1.00113E-06	6.08702E-08	0	203.5926039	184.832639	0.312188254	3616.908995
Kern	2027 Construction and Mining - Crane less than 35ton	Aggregate	100	Diesel	1.60326E-06	1.93994E-06	2.30869E-06	1.82731E-05	2.96449E-05	0.009203224	1.49241E-06	1.37302E-06	8.71809E-08	0	291.5942701	192.143239	0.936564762	5168.242408
Kern	2027 Construction and Mining - Crane less than 35ton	Aggregate	175	Diesel	1.23601E-05	1.49557E-05	1.77985E-05	0.000108417	0.000196218	0.05788145	8.81368E-06	8.10858E-06	5.48303E-07	0	1833.911631	907.4238549	3.347442666	36177.54137
Kern	2027 Construction and Mining - Crane less than 35ton	Aggregate	300	Diesel	2.58158E-06	3.12371E-06	3.71747E-06	1.43158E-05	5.30178E-05	0.017291584	1.43811E-06	1.32306E-06	1.63801E-07	0	547.8652979	163.0108339	0.579778186	10783.00474
Kern	2027 Construction and Mining - Crane less than 35ton	Aggregate	50	Diesel	7.49539E-07	9.06942E-07	1.07934E-06	2.68945E-06	4.14099E-05	0.004939946	4.92834E-07	4.53407E-07	4.67955E-08	0	156.5168804	249.0884717	1.516342948	2789.122316
Kern	2027 Construction and Mining - Crane less than 35ton	Aggregate	600	Diesel	2.46672E-06	2.98473E-06	3.55207E-06	2.85097E-05	3.99731E-05	0.013316096	1.56768E-06	1.44227E-06	1.26142E-07	0	421.9062135	78.73763023	0.312188254	8302.429307
Kern	2027 Construction and Mining - Crane less than 35ton	Aggregate	75	Diesel	1.27143E-06	1.53843E-06	1.83086E-06	7.63141E-06	5.84126E-05	0.008252293	7.897E-07	7.26524E-07	7.81729E-08	0	261.4650377	222.9801985	1.070711104

Kern	2027 Construction and Mining - Misc - Rough Terrain Forklifts	Aggregate	100	Gasoline	0.000309629	0.000284797	0.000340728	0.015447635	0.000810948	0.329425882	2.29684E-05	1.73539E-05	3.18271E-06	4.70299E-06	13424.7	2649.9	6.36	225241.5
Kern	2027 Construction and Mining - Misc - Rough Terrain Forklifts	Aggregate	175	Gasoline	1.42028E-05	1.30638E-05	1.56294E-05	0.000675647	5.08966E-05	0.018846316	1.35108E-06	1.02082E-06	1.87218E-07	2.45507E-07	700.8	73	0.16	10366
Kern	2027 Construction and Mining - Misc - Rough Terrain Forklifts	Aggregate	50	Gasoline	2.6108E-05	2.40141E-05	2.87303E-05	0.002105358	3.68112E-05	0.012973435	8.94377E-07	6.75752E-07	1.57733E-07	2.09704E-07	598.6	116.8	0.3	5489.6
Kern	2027 Construction and Mining - Misc - Rubber Tired Loaders	Aggregate	100	Gasoline	0.000162495	0.000149463	0.000178816	0.009136235	0.000417855	0.173314202	1.20839E-05	9.13005E-06	1.67446E-06	2.49982E-06	7135.75	1898	3.74	136656
Kern	2027 Construction and Mining - Misc - Rubber Tired Loaders	Aggregate	15	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.03626	0
Kern	2027 Construction and Mining - Misc - Rubber Tired Loaders	Aggregate	2	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.03626	0
Kern	2027 Construction and Mining - Misc - Rubber Tired Loaders	Aggregate	25	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.03626	0
Kern	2027 Construction and Mining - Misc - Rubber Tired Loaders	Aggregate	25	Diesel	0.00000815	0.0000098	0.00001171	0.00003349	0.0000619	1.429E-07	2.082E-06	0.000001576	8.5E-10	7.32E-10	2.907	0	0.366640796	0
Kern	2027 Construction and Mining - Misc - Rubber Tired Loaders	Aggregate	5	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.03626	0
Kern	2027 Construction and Mining - Misc - Rubber Tired Loaders	Aggregate	50	Gasoline	3.04388E-05	2.79977E-05	3.34961E-05	0.002691339	4.13024E-05	0.014665616	1.01103E-06	7.63893E-07	1.78307E-07	2.519E-07	719.05	281.05	0.56	11242
Kern	2027 Construction and Mining - Misc - Signal Boards	Aggregate	15	Gasoline	9.26E-05	0.00009358	0.00010174	0.003128	6.996E-05	1.254E-07	0.00004064	0.00003078	4.998E-08	6.896E-08	195.6	0	2.40767402	0
Kern	2027 Construction and Mining - Misc - Signal Boards	Aggregate	15	Diesel	0.000659	0.000793	0.000948	0.004162	0.004964	0.00001199	0.0001748	0.0001318	9.04E-08	7.78E-08	309.2	0	107.6889865	0
Kern	2027 Construction and Mining - Misc - Signal Boards	Aggregate	5	Gasoline	0.000005002	0.000005052	0.000005516	0.0001332	0.000002298	5.076E-09	6.404E-08	4.83E-08	2.186E-09	3.008E-09	8.45	0	0.341116152	0
Kern	2027 Construction and Mining - Misc - Signal Boards	Aggregate	50	Diesel	7.93642E-06	9.44499E-06	1.14284E-05	0.000104012	8.41754E-05	0.013914692	1.72549E-06	1.58745E-06	1.83616E-07	1.1386E-07	452.6	284.7	0.55	10533.9
Kern	2027 Construction and Mining - Misc - Skid Steer Loaders	Aggregate	100	Gasoline	0.000141364	0.000130026	0.000155562	0.007405882	0.000363782	0.30780076	2.14606E-05	1.62147E-05	2.97378E-06	4.23883E-06	12099.75	2850.65	9.15	228052
Kern	2027 Construction and Mining - Misc - Skid Steer Loaders	Aggregate	15	Gasoline	0.0000352	0.00003548	0.0000387	0.0010188	0.00002654	4.088E-08	1.322E-05	0.000009992	1.636E-08	2.26E-08	64.22	0	0.521995396	0
Kern	2027 Construction and Mining - Misc - Skid Steer Loaders	Aggregate	2	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.03944	0
Kern	2027 Construction and Mining - Misc - Skid Steer Loaders	Aggregate	25	Gasoline	0.003048	0.003074	0.003346	0.091	0.00201	3.424E-06	0.001114	0.0008406	0.000001458	0.000002012	5728	0	32.37566706	0
Kern	2027 Construction and Mining - Misc - Skid Steer Loaders	Aggregate	25	Diesel	0.002277	0.002734	0.003264	0.00933	0.01725	0.0000399	0.000585	0.0004421	2.366E-07	2.044E-07	813	0	144.0317851	0
Kern	2027 Construction and Mining - Misc - Skid Steer Loaders	Aggregate	5	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.03944	0
Kern	2027 Construction and Mining - Misc - Skid Steer Loaders	Aggregate	50	Gasoline	0.000245869	0.00022615	0.000270564	0.01923702	0.000391691	0.208142405	1.43492E-05	1.08416E-05	2.53063E-06	3.17369E-06	9059.3	4741.35	15.29	151723.2
Kern	2027 Construction and Mining - Misc - Surfacing Equipment	Aggregate	15	Gasoline	0.004632	0.004682	0.0051	0.1224	0.0035	0.000004904	0.001592	0.001202	0.000001992	0.000002758	7784	0	82.53055842	0
Kern	2027 Construction and Mining - Misc - Surfacing Equipment	Aggregate	25	Gasoline	0.0001592	0.0001606	0.0001752	0.004214	0.0001052	1.594E-07	0.0000517	3.894E-05	6.824E-08	9.412E-08	268.4	0	1.127990712	0
Kern	2027 Construction and Mining - Misc - Surfacing Equipment	Aggregate	5	Gasoline	0.0004802	0.000485	0.0005272	0.01076	0.0002202	4.112E-07	5.174E-06	0.000003916	1.804E-07	2.49E-07	692.4	0	27.79183217	0
Kern	2027 Construction and Mining - Misc - Tampers/Rammers	Aggregate	15	Gasoline	0.00049942	0.00050496	0.00054828	0.019338	0.00039	8.5126E-07	0.00027688	0.0002086	3.1306E-07	4.3116E-07	1199.6	0	66.85392036	0
Kern	2027 Construction and Mining - Misc - Tractors/Loaders/Backhoes	Aggregate	100	Gasoline	0.000100266	9.22246E-05	0.000110337	0.0070426	0.000261567	0.121426516	8.46615E-06	6.39665E-06	1.17315E-06	1.76202E-06	5029.7	1708.2	1.99	107616.6
Kern	2027 Construction and Mining - Misc - Tractors/Loaders/Backhoes	Aggregate	15	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.091854356	0
Kern	2027 Construction and Mining - Misc - Tractors/Loaders/Backhoes	Aggregate	2	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.091854356	0
Kern	2027 Construction and Mining - Misc - Tractors/Loaders/Backhoes	Aggregate	25	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.091854356	0
Kern	2027 Construction and Mining - Misc - Tractors/Loaders/Backhoes	Aggregate	25	Diesel	0.000213	0.0002561	0.0003054	0.000872	0.001614	3.731E-06	0.0000543	0.00004102	2.217E-08	1.909E-08	76	0	10.36926545	0
Kern	2027 Construction and Mining - Misc - Tractors/Loaders/Backhoes	Aggregate	5	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.091854356	0
Kern	2027 Construction and Mining - Misc - Trenchers	Aggregate	100	Gasoline	0.000128525	0.000118218	0.000141434	0.00638267	0.0003379	0.138682212	9.66926E-06	7.30566E-06	1.33986E-06	1.97812E-06	5646.55	1368.75	3.41	90337.5
Kern	2027 Construction and Mining - Misc - Trenchers	Aggregate	15	Gasoline	0.00134	0.001352	0.001474	0.04318	0.001012	1.732E-06	0.0005606	0.0004242	6.898E-07	9.526E-07	2704	0	20.03389293	0
Kern	2027 Construction and Mining - Misc - Trenchers	Aggregate	15	Diesel	0.0000603	0.0000725	0.0000867	0.0003806	0.0004544	1.097E-06	0.000016	0.00001207	8.26E-09	7.12E-09	28.33	0	8.713722262	0
Kern	2027 Construction and Mining - Misc - Trenchers	Aggregate	2	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.02218	0
Kern	2027 Construction and Mining - Misc - Trenchers	Aggregate	25	Gasoline	0.002302	0.002324	0.00253	0.07466	0.001524	0.000002826	0.0009128	0.0006896	1.188E-06	0.00000164	4666	0	15.52733811	0
Kern	2027 Construction and Mining - Misc - Trenchers	Aggregate	25	Diesel	0.0002069	0.0002488	0.0002969	0.00085	0.001576	0.000003632	0.00005284	0.00003991	2.156E-08	1.859E-08	73.9	0	7.414143455	0
Kern	2027 Construction and Mining - Misc - Trenchers	Aggregate	5	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.02218	0
Kern	2027 Construction and Mining - Misc - Trenchers	Aggregate	50	Gasoline	0.000381644	0.000351036	0.000419976	0.030633244	0.000540923	0.192105246	1.32436E-05	1.00062E-05	2.33565E-06	3.20565E-06	9150.55	4102.6	10.19	123078
Kern	2027 Construction and Mining - Nurse Rig Other	Aggregate	175	Diesel	3.63781E-07	4.40175E-07	5.23844E-07	4.62322E-06	6.60992E-06	0.001463014	3.2829E-07	3.02027E-07	1.38589E-08	0	46.35404431	30.67628751	0.044598322	910.5026198
Kern	2027 Construction and Mining - Off-Highway Tractors	Aggregate	100	Diesel	0.000175182	0.00021197	0.000252261	0.001446357	0.002107146	0.532826888	0.00013285	0.000122222	5.0474E-06	0	16882.04821	11623.99992	12.80086467	298869.7628
Kern	2027 Construction and Mining - Off-Highway Tractors	Aggregate	175	Diesel	0.000464363	0.000561879	0.000668682	0.003971011	0.006025371	2.880661975	0.000248125	0.000228275	2.72881E-05	0	91270.68372	40700.04344	28.3225227	1803286.906
Kern	2027 Construction and Mining - Off-Highway Tractors	Aggregate	300	Diesel	0.000248865	0.000301126	0.000358365	0.001003933	0.003114038	1.309933036	0.000132789	0.000122166	1.24088E-05	0	41503.82269	12813.18833	11.06588531	819840.5581
Kern	2027 Construction and Mining - Off-Highway Tractors	Aggregate	50	Diesel	0.000491364	0.00059455	0.000707564	0.002543976	0.005678443	0.625739701	0.000182212	0.000167635	5.92755E-06	0	19825.891	31782.83076	35.86395738	351394.0123
Kern	2027 Construction and Mining - Off-Highway Tractors	Aggregate	600	Diesel	0.000507108	0.000613601	0.000730235	0.002096688	0.005607212	3.48036764	0.000219762	0.000202181	3.29691E-05	0	110271.7142	19222.89596	14.37010541	2179351.012
Kern	2027 Construction and Mining - Off-Highway Tractors	Aggregate	75	Diesel	0.000216435	0.000261886	0.000311666	0.001193293	0.004162815	0.538053953	0.000127744	0.000117525	5.09691E-06	0	17047.66217	16874.18984	19.36599377	302484.405
Kern	2027 Construction and Mining - Off-Highway Tractors	Aggregate	750	Diesel	3.73535E-05	4.51977E-05	5.3789E-05	0.000153637	0.000388686	0.277467794	2.06816E-05	1.90271E-05	2.62842E-06	0	8791.269335	959.5167675	0.936771444	174012.187
Kern	2027 Construction and Mining - Off-Highway Tractors	Aggregate	9999	Diesel	4.68135E-05	5.66443E-05	6.74114E-05	0.000145505	0.001231974	0.27112009	2.30217E-05	2.118E-05	2.56828E-06	0	8590.14913	351.2062297	0.313041854	170034.2733
Kern	2027 Construction and Mining - Off-Highway Trucks	Aggregate	100	Diesel	4.51301E-06	5.46074E-06	6.49873E-06	3.59859E-05	5.30645E-05	0.014647969	2.70875E-06	2.49205E-06	1.38758E-07	0	464.1051859	324.5781023	0.401384898	8223.001156
Kern	2027 Construction and Mining - Off-Highway Trucks	Aggregate	175	Diesel	0.000162488	0.00019661	0.000233982	0.001512008	0.002230688	0.752226322	9.70019E-05	8.92418E-05	7.12574E-06	0	23833.48386	10035.17902	8.653587992	469928.9062
Kern	2027 Construction and Mining - Off-Highway Trucks	Aggregate	300	Diesel	0.000398104	0.000481706	0.000573269	0.001732274	0.005010918	1.767184107	0.000232411	0.000213818	1.67403E-05	0	55991.33224	16903.08362	17.18061074	1105585.868
Kern	2027 Construction and Mining - Off-Highway Trucks	Aggregate	50	Diesel	1.66769E-05	2.0179E-05	2.40147E-05	0.000114759	0.000288182	0.027474584	7.12446E-06	6.5545E-06	2.60263E-07	0	870.5027255	1847.035049	2.319112744	15413.79024
Kern	2027 Construction and Mining - Off-Highway Trucks	Aggregate	600	Diesel	0.001670215	0.00202096	0.002405109	0.006947327	0.018960247	12.87147312	0.000739749	0.000680569	0.00012193	0	407818.8148	65271.53824	58.93276549	8063939.699
Kern	2027 Construction and Mining - Off-Highway Trucks	Aggregate	75	Diesel	1.03612E-05	1.2537E-05	1.49201E-05	4.17283E-05	0.000217477	0.028822997	5.51398E-06	5.07286E-06	2.73036E-07	0	913.225745	805.8842342	1.15980432	16250.59414
Kern	2027 Construction and Mining - Off-Highway Trucks	Aggregate	750	Diesel	0.000319238	0.000386278	0.000459702	0.001733261	0.003586698	1.846784409	0.000178587	0.0001643	1.74943E-05	0	58513.38241	5900.750109	7.654651972	1156501.593
Kern	2027 Construction and Mining - Off-Highway Trucks	Aggregate	9999	Diesel	0.001132606	0.001370453	0.001630953	0.004264157	0.029571549	6.438122775	0.000571553	0.000525829	6.09875E-05	0	203985.012	11901.77258	13.35613364	4031984.157
Kern	2027 Construction and Mining - Other Construction Equipment	Aggregate	100	Diesel	0.000140559	0.000170077	0.000202405	0.001033509	0.001719868	0.483287716	0.000108909	0.000100197	4.57812E-06	0	15312.4527	10685.96137	23.15952388	271582.4031
Kern	2027 Construction and Mining - Other Construction Equipment	Aggregate	175	Diesel	0.000316928	0.000383483	0.000456377	0.002550277	0.004320833	1.599811647	0.000186828	0.000171882	1.51548E-05	0	50688.31545	25718.50227	40.78443973	1000871.715
Kern	2027 Construction and Mining - Other Construction Equipment	Aggregate	300	Diesel	0.000300809	0.000363978	0.000433164	0.001369517	0.00403045	1.522612949	0.000178443	0.000164167	1.44235E-05	0	48242.35751	14409.61869	25.36590678	952596.5281
Kern	2027 Construction and Mining - Other Construction Equipment	Aggregate	50	Diesel	0.000240984	0.000291591	0.000347017	0.001260974	0.003259456	0.366668684	9.19972E-05	8.46374E-05	3.4734E-06	0	11617.50382	17820.96288	40.85763318	206076.1164
Kern	2027 Construction and Mining - Other Construction Equipment	Aggregate	600	Diesel	0.000735655	0.000890143	0.001059344	0.004277158	0.009446928	4.947623587	0.000383581	0.000352895	4.68682E-05	0	156760.1445	26824.84352	43.65719037	3097139.906
Kern	2027 Construction and Mining - Other Construction Equipment	Aggregate	75	Diesel	0.000185981	0.000225037	0.000267813	0.001089433	0.004699877	0.620176416	0.000108392	9.97203E-05	5.87485E-06	0	19649.62431	18121.41175	39.43667944	349121.1126
Kern	2027 Construction and Mining - Other Construction Equipment	Aggregate	750	Diesel	8.8214E-05	0.000106739	0.000127028	0.000381043	0.001160482	0.780656538	4.51959E-05	4.15802E-05	7.39506E-06	0	24734.26476	2656.170343	4.775536878	489029.6516
Kern	2027 Construction and Mining - Other Construction Equipment	Aggregate	9999	Diesel	0.000156665	0.000189565	0.000225598	0.000636058	0.004708773	1.035604682	8.12961E-05	7.47924E-05	9.81015E-06	0	32812.02315	1953.199745	3.480989152	648611.99
Kern	2027 Construction and Mining - Other Material Handling Equipment	Aggregate	100	Diesel	5.21002E-05	6.30412E-05	7.50242E-05	0.00037627	0.000630713	0.160177282	3.91948E-05	3.60592E-05	1.51734E-06	0	5075.045325	3435.605857	6.512927887	89957.1935
Kern	2027 Construction and Mining - Other Material Handling Equipment	Aggregate	175	Diesel	0.000137621	0.000166521	0.000198174	0.001155844	0.001875236	0.671124228	8.25586E-05	7.59539E-05	6.35747E-06	0	21263.85106	10932.22057	15.8360377	419684.0932
Kern	2027 Construction and Mining - Other Material Handling Equipment	Aggregate	300	Diesel	0.000124037	0.000150084	0.000178613	0.000545633	0.001665367	0.692062106	6.80827E-05	6.26361E-05	6.55581E-06	0	21927.24525	6511.346877	9.904327699	433037.1595
Kern	2027 Construction and Mining - Other Material Handling Equipment	Aggregate	50	Diesel	3.8733E-05	4.6867E-05	5.57756E-05	0.000218801	0.00064914	0.069158311	1.49573E-05	1.37607E-05	6.55128E-07	0	2191.206891	3863.829488	8.297183102	38878.2085
Kern	2027 Construction and Mining - Other Material Handling Equipment	Aggregate	600	Diesel	0.000170534	0.000206346	0.000245569	0.000843269	0.00208665	1.229364581	8.03497E-05	7.39217E-05	1.16456E-05	0	38951.09764	6815.448759	9.546266546	769459.5382
Kern	2027 Construction and Mining - Other Material Handling Equipment	Aggregate	75	Diesel	2.70544E-05	3.27359E-05	3.89584E-05	0.000158697	0.000682893	0.090035198	1.59294E-05	1.4655E-05	8.52892E-07	0	2852.668629	2644.305221	5.218511292	50684.40622
Kern	2027 Construction and Mining - Other Material Handling Equipment	Aggregate	750	Diesel	2.69482E-05	3.26073E-05	3.88054E-05	0.000241961	0.000321095	0.133089005	1.74774E-05	1.60792E-05	1.26073E-06	0	4216.782331	426.9842029	0.847368118	83257.27528
Kern	2027 Construction and Mining - Other Material Handling Equipment	Aggregate	9999	Diesel	6.79152E-05	8.21774E-05	9.77979E-05	0.000240808	0.002039265	0.4491241	3.5851E-05	3.29829E-05	4.25449E-06	0	14230.01521	1020.662052	1.56094127	281468.9943
Kern	2027 Construction and Mining - Pavers	Aggregate	100	Diesel	9.9222E-05	0.000120059	0.00014288	0.000945636	0.001320079	0.323716842	7.52185E-05	6.9201E-05	3.06653E-06	0	10256.62079	7298.324344	11.82066825	181441.7746
Kern	2027 Construction and Mining - Pavers	Aggregate	175	Diesel	0.000198719	0.00024045	0.000286155	0.001367043	0.002539561	1.08551117	0.000112435	0.000103441	1.02829E-05	0	34393.25668	16369.14949	20.922817	679813.4154
Kern	2027 Construction and Mining - Pavers	Aggregate	300	Diesel	0.00018716	0.000226463	0.00026951	0.000756696	0.002556231	1.319880482	8.22179E-05	7.56405E-05	1.25031E-05	0	41818.99686	12733.34475	15.4775536	825896.2451
Kern	2027 Construction and Mining - Pavers	Aggregate	50	Diesel	5.52418E-05	6.68426E-05	7.95482E-05	0.000237676	0.000516379	0.058630577	1.84728E-05	1.6995E-05	5.554E-07	0	1857.646909	3001.433644	5.932153077	32950.54384
Kern	2027 Construction and Mining - Pavers	Aggregate	600	Diesel	2.94769E-05	3.56671E-05	4.24668E-05	0.000111191	0.000383413	0.236325361	1.32188E-05	1.21613E-05	2.23868E-06	0	7487.715489	1374.645661	1.60681148	148001.9759
Kern	2027 Construction and Mining - Pavers	Aggregate	75	Diesel	0.000111832	0.000135316	0.000161038	0.000623154	0.002250543	0.296002822	6.53861E-05	6.01552E-05	2.804E-06	0	9378.531815	8475.516042	15.38798925	166458.8757
Kern	2027 Construction and Mining - Pavers	Aggregate	750	Diesel	5.81587E-07	7.0372E-07	8.37486E-07	1.57407E-06	7.14046E-06	0.009484526	1.75759E-07	1.61698E-07	8.98457E-08	0	300.5070164	33.20994	0.044598322	5957.130397
Kern	2027 Construction and Mining - Pavers	Aggregate	9999	Diesel	4.29032E-05	5.19129E-05	6.17807E-05	0.00013048	0.001019475	0.218325488	2.05483E-05	1.89044E-05	2.06817E-06	0	6917.408827	247.0573062	0.312188254	136672.2563
Kern	2027 Construction and Mining - Paving Equipment	Aggregate	100	Diesel	4.50154E-05	5.44686E-05	6.48221E-05	0.000420108	0.000638103	0.175358444	3.4979E-05	3.21806E-05	1.66115E-06	0	5556.044128	3842.214755	7.364216017	98441.24339
Kern	2027 Construction and Mining - Paving Equipment	Aggregate	175	Diesel	0.000173167	0.000209533	0.000249361	0.001571837	0.002484838	1.201557673	9.53818E-05	8.77513E-05	1.13822E-05	0	38070.0656	18768.74226	23.77646985	752286.2617
Kern	2027 Construction and Mining - Paving Equipment	Aggregate	300	Diesel	8.27283E-05	0.000100101	0.000119129	0.0003465	0.001144934	0.543940992	4.14219E-05	3.81082E-05	5.15268E-06	0	17234.18667	5117.237289	7.540950244	340366.8458
Kern	2027 Construction and Mining - Paving Equipment	Aggregate	50	Diesel	7.85336E-05	9.50257E-05	0.000113088	0.000318268	0.001300935	0.148660214	2.47156E-05	2.27383E-05	1.40824E-06	0	4710.139362	7655.822937	16.41295089	83740.13007
Kern	2027 Construction and Mining - Paving Equipment	Aggregate	600	Diesel	0.00014332	0.000173418	0.000206382	0.000541775	0.001788687	1.287670945	6.57435E-05	6.0484E-05	1.21979E-05	0	40798.47222	7959.197961	10.88731612	806977.0451
Kern	2027 Construction and Mining - Paving Equipment	Aggregate	75	Diesel	3.46063E-05	4.18737E-05	4.98331E-05	0.000203246	0.000831218	0.110515112	1.9313E-05	1.77679E-05	1.0469E-06	0	3501.552734	3200.73402	6.466926457	62195.43501
Kern	2027 Construction and Mining - Paving Equipment	Aggregate	750	Diesel	2.32055E-05	2.80787E-05	3.34159E-05	7.36191E-05	0.000264999	0.276454738	1.36338E-05	1.25431E-05	2.61882E-06	0	8759.171743	957.6934951	1.471744626	173461.2389
Kern	2027 Construction and Mining - Paving Equipment	Aggregate	9999	Diesel	3.17423E-05	3.84082E-05	4.5709E-05	0.000116098	0.000773051	0.173834299	1.51107E-05	1.39018E-05	1.64671E-06	0	5507.753246	382.2822188	0.579778186	108736.0033
Kern	2027 Construction and Mining - Rollers	Aggregate	100	Diesel	0.000278552	0.000337048	0.000401115	0.002030692	0.003371172	0.888132723	0.00021419	0.000197055	8.41316E-06	0	28139.53235	19597.28189	40.24506202	498899.2018
Kern	2027 Construction and Mining - Rollers	Aggregate	175	Diesel	0.000824552	0.000997707	0.001187354	0.007000332	0.011476478	5.204440282	0.000451111	0.000415022	4.9301E-05	0	164897.106	82699.13792	109.0310365	3258137.107
Kern	2027 Construction and Mining - Rollers	Aggregate	300	Diesel	8.56752E-05	0.000103667	0.000123372	0.00038309	0.001127349	0.447900738	5.21983E-05	4.80224E-05	4.2429E-06	0	14191.2543	4407.307053	7.23739683	280441.1625
Kern	2027 Construction and Mining - Rollers	Aggregate	50	Diesel	0.000910093	0.001101212	0.001310533	0.004005835	0.012764703	1.42231211	0.000314892	0.0002897	1.34734E-05	0	45064.43307	77160.93738	166.8242735	800449.4864
Kern	2027 Construction and Mining - Rollers	Aggregate	600	Diesel	5.48651E-05	6.63868E-05	7.90057E-05	0.000327098	0.00068706	0.374627891	2.99532E-05	2.7557E-05	3.5488E-06	0	11869.68276	2071.250046	3.127514492	234700.3585
Kern	2027 Construction and Mining - Rollers	Aggregate	75	Diesel	0.000172054	0.000208185	0.000247757	0.000800052	0.004337775	0.576852677	0.000100677	9.26226E-05	5.46445E-06	0	18276.95809	16228.96287	33.90055942	325152.7864
Kern	2027 Construction and Mining - Rollers	Aggregate	750	Diesel	1.50175E-06	1.81712E-06	2.16252E-06	6.17481E-06	2.07056E-05	0.008876639	6.71461E-07	6.17745E-07	8.40872E-08	0	281.2467781	27.16022815	0.044598322	5544.738075
Kern	2027 Construction and Mining - Rollers	Aggregate	9999	Diesel	6.70886E-05	8.11772E-05	9.66076E-05	0.000208763	0.001715863	0.390571065	2.64351E-05	2.43203E-05	3.69983E-06	0	12374.82511	367.7723267	0.579778186	244616.8401
Kern	2027 Construction and Mining - Rough Terrain Forklifts	Aggregate	100	Diesel	0.000267661	0.000323869	0.000385431	0.002270428	0.00382041	1.266943111	0.000197394	0.000181603	1.20016E-05	0	40141.73305	27868.35598	64.69078267	712440.1586
Kern	2027 Construction and Mining - Rough Terrain Forklifts	Aggregate	175	Diesel	0.001231767	0.001490438	0.001773744	0.01150259	0.018156574	8.333653633	0.000648689	0.000596794	7.89436E-05	0	264042.8734	145246.3687	226.9347018	5216065.317
Kern	2027 Construction and Mining - Rough Terrain Forklifts	Aggregate	300	Diesel	1.06383E-05	1.28723E-05	1.53191E-05	4.88109E-05	0.000153722	0.070585172	5.749E-06	5.28908E-06	6.68644E-07	0	2236.415451	742.870681	1.382955738	44194.0295
Kern	2027 Construction and Mining - Rough Terrain Forklifts	Aggregate	50	Diesel	2.13404E-05	2.58219E-05	3.07301E-05	8.58405E-05	0.000378347	0.046471252	7.36321E-06	6.77415E-06	4.40216E-07	0	1472.39175	1998.991383	5.530191928	26194.53486
Kern	2027 Construction and Mining - Rough Terrain Forklifts	Aggregate	600	Diesel	2.12977E-06	2.57703E-06	3.06687E-06	9.05893E-06	3.10965E-05	0.020269889	8.31636E-07	7.65105E-07	1.92014E-07	0	642.2296873	132.2194353	0.223000384	12695.14423
Kern	2027 Construction and Mining - Rough Terrain Forklifts	Aggregate	75	Diesel	0.000306505	0.000370872	0.000441368	0.001411761	0.01279973	1.825957538	0.000116513	0.000107192	1.72971E-05	0	57853.50533	49360.11768	112.9746517	1030896.405
Kern	2027 Construction and Mining - Rough Terrain Forklifts	Aggregate	750	Diesel	3.38338E-07	4.09389E-07	4.87207E-07	1.1659E-06	5.083E-06	0.006662412	1.14015E-07	1.04894E-07	6.31122E-08	0	211.0913843	23.51497463	0.044607096	4184.59082
Kern	2027 Construction and Mining - Rubber Tired Dozers	Aggregate	100	Diesel	2.11119E-05	2.55454E-05	3.04011E-05	0.000113643	0.000220019	0.061401567	1.69782E-05	1.562E-05	5.81649E-07	0	1945.442765	1342.77553	2.2314766	34545.67034
Kern	2027 Construction and Mining - Rubber Tired Dozers	Aggregate	175	Diesel	4.9559E-05	5.99663E-05	7.13649E-05	0.000314943	0.000635571	0.19843673	3.20272E-05	2.9465E-05	1.87976E-06	0	6287.254866	2931.968997	3.703292514	124179.617

Kern	2027 Forestry - Extraction	Aggregate	25	Diesel	6.38868E-07	7.73031E-07	9.19971E-07	2.06634E-06	1.28831E-06	0.000142903	5.91825E-08	5.44478E-08	1.34413E-09	1.20243E-09	4.779723639	2.887743153	0.007876501	159.07136
Kern	2027 Forestry - Extraction	Aggregate	300	Diesel	7.05289E-05	8.534E-05	0.000101562	0.000267064	0.000910715	0.209079483	3.15184E-05	2.8997E-05	1.95488E-06	1.72608E-06	6861.257936	104.3869846	1.004469734	253855.7526
Kern	2027 Forestry - Extraction	Aggregate	600	Diesel	4.20112E-05	5.08336E-05	6.04962E-05	0.000341804	0.000550634	0.114448444	1.98141E-05	1.8229E-05	1.06834E-06	9.43392E-07	3750.040522	87.61731683	0.34179874	138745.5998
Kern	2027 Forestry - Extraction	Aggregate	75	Diesel	8.17436E-07	9.89096E-07	1.17711E-06	3.17019E-06	4.76944E-06	0.000435855	1.63539E-07	1.50456E-07	4.13353E-09	3.66741E-09	14.57815794	2.887743319	0.003938251	485.1676146
Kern	2027 Forestry - Extraction	Aggregate	750	Diesel	2.30579E-06	2.79001E-06	3.32034E-06	8.52244E-06	2.66859E-05	0.004256586	1.01922E-06	9.3768E-07	4.05386E-08	3.58161E-08	142.3714109	5.759912857	0.003938251	5267.518348
Kern	2027 Forestry - Extraction	Aggregate	9999	Diesel	4.74608E-06	5.74276E-06	6.83436E-06	1.54419E-05	9.33896E-05	0.007712563	2.20511E-06	2.0287E-06	7.34354E-08	6.48957E-08	257.9645237	2.887743458	0.003938251	9544.281423
Kern	2027 Forestry - Maintenance & Construction	Aggregate	100	Diesel	5.48386E-06	6.63547E-06	7.89676E-06	2.83154E-05	5.37715E-05	0.004355279	3.02384E-06	2.78193E-06	4.12386E-08	3.65176E-08	145.1596586	16.18551979	0.064990339	4686.890311
Kern	2027 Forestry - Maintenance & Construction	Aggregate	175	Diesel	4.74925E-05	5.7466E-05	6.83893E-05	0.000265003	0.000557941	0.036531084	2.31859E-05	2.1331E-05	3.47081E-07	3.07383E-07	1221.866707	43.98366601	0.377581002	43858.80099
Kern	2027 Forestry - Maintenance & Construction	Aggregate	25	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern	2027 Forestry - Maintenance & Construction	Aggregate	300	Diesel	4.49675E-05	5.44107E-05	6.47532E-05	0.000213066	0.000579827	0.032548602	2.51958E-05	2.31801E-05	3.09164E-07	2.73874E-07	1088.663499	36.68954079	0.253381144	39077.4829
Kern	2027 Forestry - Maintenance & Construction	Aggregate	50	Diesel	2.94091E-07	3.55849E-07	4.2349E-07	2.12328E-06	2.40663E-06	0.000201521	9.67029E-08	8.89666E-08	1.91368E-09	1.69566E-09	6.740326516	2.587494832	0.005914968	217.6305066
Kern	2027 Forestry - Maintenance & Construction	Aggregate	600	Diesel	1.97089E-05	2.38477E-05	2.83808E-05	0.000203783	0.000270381	0.018440055	1.01434E-05	9.3319E-06	1.75327E-07	1.5516E-07	616.7703401	15.15446562	0.088466497	22138.91822
Kern	2027 Forestry - Maintenance & Construction	Aggregate	75	Diesel	5.64629E-07	6.83201E-07	8.13064E-07	2.51142E-06	8.9215E-06	0.001126222	1.48818E-07	1.36913E-07	1.0483E-08	9.26101E-09	36.81308406	33.5101887	0.020926451	1188.614575
Kern	2027 Forestry - Manufacturing	Aggregate	100	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern	2027 Forestry - Manufacturing	Aggregate	175	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern	2027 Forestry - Manufacturing	Aggregate	300	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern	2027 Forestry - Manufacturing	Aggregate	50	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern	2027 Forestry - Manufacturing	Aggregate	75	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern	2027 Industrial - Aerial Lifts	Aggregate	100	Diesel	1.5928E-05	1.92729E-05	2.29363E-05	0.000195139	0.000339006	0.120241008	1.41764E-05	1.30423E-05	1.13903E-06	0	3809.707315	2834.085546	9.518430138	67612.78818
Kern	2027 Industrial - Aerial Lifts	Aggregate	175	Diesel	2.14401E-05	2.59425E-05	3.08738E-05	0.000201213	0.000370203	0.17764685	1.35676E-05	1.24822E-05	1.68283E-06	0	5628.549838	3154.543863	6.739573368	111260.564
Kern	2027 Industrial - Aerial Lifts	Aggregate	300	Diesel	3.41732E-07	4.13495E-07	4.92094E-07	1.86636E-06	6.07906E-06	0.003757566	1.26959E-07	1.16802E-07	3.55949E-08	0	119.0544543	35.26361221	0.07984238	2351.906674
Kern	2027 Industrial - Aerial Lifts	Aggregate	50	Diesel	7.48592E-05	9.05796E-05	0.000107797	0.000359147	0.002424163	0.302403415	3.16992E-05	2.91632E-05	2.86463E-06	0	9581.327737	12349.88383	50.55927324	170499.9945
Kern	2027 Industrial - Aerial Lifts	Aggregate	600	Diesel	1.70726E-07	2.06578E-07	2.45845E-07	7.94365E-07	2.9897E-06	0.002231772	9.00299E-08	8.28275E-08	2.11413E-08	0	70.71129695	13.0457964	0.031936952	1398.735278
Kern	2027 Industrial - Aerial Lifts	Aggregate	75	Diesel	8.82288E-05	0.000106757	0.000127049	0.000587527	0.004239084	0.602810095	4.25403E-05	3.91371E-05	5.71034E-06	0	19099.39105	16845.24214	55.1292287	340002.9624
Kern	2027 Industrial - Boom	Aggregate	100	Diesel	7.89432E-06	9.55213E-06	1.13678E-05	8.81999E-05	0.000143434	0.060907891	6.91169E-06	6.35876E-06	5.76972E-07	0	1929.801158	1470.862825	2.586955894	34282.07251
Kern	2027 Industrial - Boom	Aggregate	175	Diesel	8.32303E-06	1.00709E-05	1.19852E-05	8.04168E-05	0.000123622	0.055081078	4.14151E-06	3.81018E-06	5.21776E-07	0	1745.184849	1020.237306	1.149730272	34465.03982
Kern	2027 Industrial - Boom	Aggregate	300	Diesel	1.0738E-06	1.29929E-06	1.54627E-06	4.44645E-06	1.40406E-05	0.00859492	4.21702E-07	3.87965E-07	8.14185E-08	0	272.3208097	86.20361865	0.111975057	5382.902822
Kern	2027 Industrial - Boom	Aggregate	50	Diesel	0.000117476	0.000142146	0.000169165	0.000314351	0.003069748	0.395082386	3.54566E-05	3.26201E-05	3.74256E-06	0	12517.76147	15742.19123	34.04479083	223057.5269
Kern	2027 Industrial - Boom	Aggregate	600	Diesel	1.60971E-06	1.94775E-06	2.31799E-06	7.26715E-06	2.12482E-05	0.008174102	9.47454E-07	8.71657E-07	7.74322E-08	0	258.9876468	48.11796598	0.063873904	5111.86204
Kern	2027 Industrial - Boom	Aggregate	75	Diesel	0.000117858	0.000142608	0.000169716	0.000485545	0.004644052	0.664098569	3.98874E-05	3.66964E-05	6.29092E-06	0	21041.25059	18690.49956	31.55396159	374987.7919
Kern	2027 Industrial - Boom	Aggregate	9999	Diesel	6.01883E-07	7.28278E-07	8.66711E-07	2.52401E-06	2.39245E-05	0.005326712	2.42303E-07	2.22919E-07	5.04592E-08	0	168.7711635	11.75038965	0.015968476	3345.65176
Kern	2027 Industrial - Forklifts	Aggregate	100	Diesel	0.000160469	0.000194168	0.000231076	0.001461099	0.002557844	0.873453892	0.000136837	0.00012589	8.27411E-06	0	27674.44934	19640.80956	71.22199624	491218.6845
Kern	2027 Industrial - Forklifts	Aggregate	175	Diesel	0.000349048	0.000422348	0.00050263	0.003472722	0.005896133	2.61762195	0.000208237	0.000191578	2.47964E-05	0	82936.54278	43706.56315	107.2529702	1638345.686
Kern	2027 Industrial - Forklifts	Aggregate	25	Diesel	6.84491E-09	8.28234E-09	9.85667E-09	2.58178E-08	1.8212E-08	2.29826E-06	1.8741E-09	1.72417E-09	2.17711E-11	0	0.072817922	3.584999996	0.015968476	1.27687624
Kern	2027 Industrial - Forklifts	Aggregate	300	Diesel	3.58797E-05	4.34145E-05	5.16668E-05	0.0001796	0.000551467	0.237385599	2.18966E-05	2.01449E-05	2.24872E-06	0	7521.307992	2431.35006	6.758174647	148534.1115
Kern	2027 Industrial - Forklifts	Aggregate	50	Diesel	5.77772E-05	6.99104E-05	8.31992E-05	0.000253196	0.001066776	0.128433998	2.16284E-05	1.98982E-05	1.21664E-06	0	4069.293428	5757.240737	23.5484671	72342.33351
Kern	2027 Industrial - Forklifts	Aggregate	600	Diesel	1.10827E-05	1.34101E-05	1.59591E-05	9.8641E-05	0.000165528	0.073001719	6.7908E-06	6.24753E-06	6.91536E-07	0	2312.98113	451.5916589	1.278076958	45684.43003
Kern	2027 Industrial - Forklifts	Aggregate	75	Diesel	0.000225021	0.000272276	0.000324031	0.001328297	0.009505467	1.325624809	0.000112168	0.000103194	1.25575E-05	0	42000.99966	37923.77449	134.1444888	747755.5549
Kern	2027 Industrial - Forklifts	Aggregate	750	Diesel	2.4647E-07	2.98229E-07	3.54917E-07	8.63027E-07	4.0163E-06	0.005438005	1.59241E-07	1.46502E-07	5.15135E-08	0	172.2973585	16.35803816	0.047905428	3415.553633
Kern	2027 Industrial - Forklifts	Aggregate	9999	Diesel	1.25003E-05	1.51254E-05	1.80005E-05	5.95332E-05	0.000449693	0.101680079	7.61607E-06	7.00678E-06	9.63202E-07	0	3221.624187	110.2737875	0.319551273	63653.90131
Kern	2027 Industrial - Garbage Refuse	Aggregate	175	Diesel	2.01143E-07	2.43384E-07	2.89647E-07	3.03917E-06	2.7645E-06	0.00060317	1.26826E-07	1.16679E-07	5.71375E-09	0	19.11079948	11.4269855	0.015968476	373.0806818
Kern	2027 Industrial - Garbage Refuse	Aggregate	300	Diesel	4.34284E-07	5.25484E-07	6.25369E-07	2.43164E-06	5.5977E-06	0.002914004	1.43247E-07	1.31787E-07	2.7604E-08	0	92.32707741	27.06069197	0.031936952	1818.357896
Kern	2027 Industrial - Garbage Refuse	Aggregate	50	Diesel	2.39503E-08	2.89799E-08	3.44885E-08	2.91083E-07	1.14162E-06	0.000105344	1.40568E-08	1.29323E-08	9.97909E-10	0	3.337708783	7.979005695	0.015968476	59.20619946
Kern	2027 Industrial - Garbage Refuse	Aggregate	600	Diesel	5.1784E-06	6.26586E-06	7.45689E-06	2.13925E-05	5.72208E-05	0.043121654	1.90983E-06	1.75704E-06	4.08486E-07	0	1366.263344	194.7636644	0.207590188	26993.52003
Kern	2027 Industrial - Garbage Refuse	Aggregate	75	Diesel	1.42506E-07	1.72433E-07	2.05209E-07	3.63249E-07	2.93821E-06	0.000429548	7.62633E-08	7.01622E-08	4.06905E-09	0	13.60977205	11.04915644	0.015968476	242.6829371
Kern	2027 Industrial - Garbage Refuse	Aggregate	9999	Diesel	1.3433E-06	1.62539E-06	1.93435E-06	3.0346E-06	4.82483E-05	0.0107264	5.38849E-07	4.95741E-07	1.0161E-07	0	339.8544869	25.05215382	0.031936952	6737.138848
Kern	2027 Industrial - Garbage Transfer	Aggregate	300	Diesel	5.25677E-07	6.36069E-07	7.56974E-07	1.79463E-06	6.629E-06	0.003043219	2.14115E-07	1.96986E-07	2.8828E-08	0	96.42113539	29.1286984	0.031936952	1903.824196
Kern	2027 Industrial - Garbage Transfer	Aggregate	600	Diesel	5.80614E-07	7.02543E-07	8.36085E-07	1.41996E-06	5.70386E-06	0.007404635	2.57155E-07	2.36583E-07	7.01431E-08	0	234.6079033	30.38912485	0.031936952	4650.772846
Kern	2027 Industrial - Misc - Aerial Lifts	Aggregate	100	Gasoline	4.45639E-05	4.09899E-05	4.90399E-05	0.002491959	0.000115017	0.088491343	6.16983E-06	4.66165E-06	8.5495E-07	1.22753E-06	3504	1219.1	3.36	81679.7
Kern	2027 Industrial - Misc - Aerial Lifts	Aggregate	15	Gasoline	7.32685E-06	7.40012E-06	8.06276E-06	0.000207646	5.53881E-06	8.32046E-09	2.69582E-06	2.03685E-06	3.3467E-09	4.61967E-09	13.12	0	0.122968326	0
Kern	2027 Industrial - Misc - Aerial Lifts	Aggregate	15	Diesel	8.1252E-06	9.77283E-06	1.16801E-05	5.12626E-05	6.12014E-05	1.47731E-07	2.15232E-06	1.6262E-06	1.11348E-09	9.5916E-10	3.818	0	1.778395411	0
Kern	2027 Industrial - Misc - Aerial Lifts	Aggregate	15	Nat Gas	8.88283E-07	8.0393E-08	8.79304E-07	3.13011E-05	8.55622E-07	2.87484E-09	7.99043E-08	6.03721E-08	6.55431E-11	5.89671E-10	1.687	0	0.042487275	0
Kern	2027 Industrial - Misc - Aerial Lifts	Aggregate	2	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.038750048	0
Kern	2027 Industrial - Misc - Aerial Lifts	Aggregate	25	Gasoline	0.000409891	0.00041399	0.000451058	0.010829458	0.000271306	4.08829E-07	0.00013246	0.000100081	1.75107E-07	2.41713E-07	687.4	0	4.134063906	0
Kern	2027 Industrial - Misc - Aerial Lifts	Aggregate	25	Diesel	1.5142E-05	1.82124E-05	2.17668E-05	6.21307E-05	0.000115156	2.65516E-07	3.94976E-06	2.98426E-06	1.57857E-09	1.35979E-09	5.41	0	2.523393487	0
Kern	2027 Industrial - Misc - Aerial Lifts	Aggregate	25	Nat Gas	7.58208E-05	6.86207E-06	7.50544E-05	0.001923945	5.28883E-05	1.69178E-07	5.18529E-06	3.91777E-06	4.11264E-09	3.70002E-08	105.7	0	1.710719135	0
Kern	2027 Industrial - Misc - Aerial Lifts	Aggregate	5	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.038750048	0
Kern	2027 Industrial - Misc - Aerial Lifts	Aggregate	50	Gasoline	5.64212E-05	5.18962E-05	6.20881E-05	0.00467535	8.6522E-05	0.044080513	3.03887E-06	2.29604E-06	5.35939E-07	6.85373E-07	1956.4	1219.1	3.36	40230.3
Kern	2027 Industrial - Misc - Forklifts	Aggregate	100	Gasoline	0.003059035	0.002813701	0.003366282	0.293398703	0.015456386	3.518826386	0.000245341	0.000185369	3.39968E-05	5.29003E-05	151004.15	71623.95	39.76	5013676.5
Kern	2027 Industrial - Misc - Forklifts	Aggregate	100	Nat Gas	0	0	0.000558422	0.258254936	0.026064089	5.62173341	0.000499961	0	0	0	313177.3	131392.7	72.96	9197489
Kern	2027 Industrial - Misc - Forklifts	Aggregate	175	Gasoline	0.000159971	0.000147141	0.000176038	0.010985684	0.0009479	0.260874006	1.87019E-05	1.41303E-05	2.59151E-06	3.69539E-06	10548.5	2620.7	1.45	382622.2
Kern	2027 Industrial - Misc - Forklifts	Aggregate	175	Nat Gas	0	0	2.54913E-05	0.015087174	0.001279372	0.429088241	3.81604E-05	0	0	0	23498.7	4807.05	2.68	701829.3
Kern	2027 Industrial - Misc - Forklifts	Aggregate	25	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.03154893	0
Kern	2027 Industrial - Misc - Forklifts	Aggregate	25	Nat Gas	1.38327E-05	1.25191E-06	1.36929E-05	0.000198696	5.54745E-06	1.5367E-08	6.13161E-07	4.63278E-07	4.48488E-10	4.03492E-09	11.53	0	0.05904817	0
Kern	2027 Industrial - Misc - Forklifts	Aggregate	50	Gasoline	0.001450059	0.001333764	0.001595702	0.17226846	0.00345912	0.593976196	4.09482E-05	3.09386E-05	7.22167E-06	1.15363E-05	32930.3	20418.1	11.33	837142.1
Kern	2027 Industrial - Misc - Other General Industrial Equipment	Aggregate	100	Gasoline	1.37503E-05	1.26475E-05	1.51313E-05	0.001012989	8.3199E-05	0.025393384	1.77049E-06	1.3377E-06	2.45336E-07	3.56752E-07	1018.35	255.5	0.37	20184.5
Kern	2027 Industrial - Misc - Other General Industrial Equipment	Aggregate	15	Gasoline	9.14552E-08	9.23698E-08	1.00641E-07	4.62916E-06	4.66825E-08	1.9305E-09	1.94342E-10	1.46836E-10	7.27609E-11	1.00437E-10	0.2832	0	4.278655916	0
Kern	2027 Industrial - Misc - Other General Industrial Equipment	Aggregate	15	Diesel	4.68229E-06	5.63176E-06	6.73087E-06	3.31583E-05	3.95869E-05	9.55569E-08	1.39218E-06	1.05188E-06	6.95518E-10	5.99125E-10	2.388	0	0.435768628	0
Kern	2027 Industrial - Misc - Other General Industrial Equipment	Aggregate	175	Gasoline	1.93287E-06	1.77785E-06	2.127E-06	0.000184009	1.66706E-05	0.00526405	3.77376E-07	2.85129E-07	5.22928E-08	6.90488E-08	197.1	25.55	0	4445.7
Kern	2027 Industrial - Misc - Other General Industrial Equipment	Aggregate	2	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.003949414	0
Kern	2027 Industrial - Misc - Other General Industrial Equipment	Aggregate	25	Gasoline	6.8986E-06	6.96759E-06	7.59149E-06	0.00054153	3.9142E-06	1.48582E-07	1.32957E-08	1.00457E-08	8.30354E-09	1.14619E-08	32.74	0	1.437038	0
Kern	2027 Industrial - Misc - Other General Industrial Equipment	Aggregate	25	Diesel	1.34923E-05	1.62282E-05	1.93954E-05	5.53894E-05	0.00010255	2.36707E-07	3.44863E-06	2.60563E-06	1.407E-09	1.212E-09	4.827	0	0.449772871	0
Kern	2027 Industrial - Misc - Other General Industrial Equipment	Aggregate	5	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.003949414	0
Kern	2027 Industrial - Misc - Other General Industrial Equipment	Aggregate	50	Gasoline	4.44753E-05	4.09084E-05	4.89423E-05	0.004306871	0.000101808	0.029677335	2.04593E-06	1.54581E-06	3.60822E-07	4.85899E-07	1387	770.15	1.11	23104.5
Kern	2027 Industrial - Misc - Other Material Handling Equipment	Aggregate	100	Gasoline	2.68897E-05	2.47332E-05	2.95905E-05	0.001604897	0.000134214	0.03510649	2.44771E-06	1.84938E-06	3.39178E-07	5.01243E-07	1430.8	540.2	1.48	29170.8
Kern	2027 Industrial - Misc - Other Material Handling Equipment	Aggregate	50	Gasoline	1.11327E-06	1.02398E-06	1.22508E-06	9.8391E-05	2.42349E-06	0.000609215	4.19888E-08	3.17324E-08	7.40695E-09	0	0	0	0	0
Kern	2027 Industrial - Misc - Sweepers/Scrubbers	Aggregate	100	Gasoline	7.11736E-05	6.54654E-05	7.83222E-05	0.004529558	0.000462517	0.153862448	1.07277E-05	8.10534E-06	1.48653E-06	2.1354E-06	6095.5	1357.8	2.65	92330.4
Kern	2027 Industrial - Misc - Sweepers/Scrubbers	Aggregate	15	Gasoline	6.00769E-08	6.06777E-08	6.6111E-08	3.04088E-06	3.06657E-08	1.26814E-09	1.27663E-10	9.64567E-11	4.77108E-11	6.58585E-11	0.1862	0	1.901672614	0
Kern	2027 Industrial - Misc - Sweepers/Scrubbers	Aggregate	15	Diesel	1.8619E-06	2.23945E-06	2.6765E-06	1.31852E-05	1.57416E-05	3.79978E-08	5.53598E-07	4.18274E-07	2.7657E-10	2.3824E-10	0.948	0	0.203510911	0
Kern	2027 Industrial - Misc - Sweepers/Scrubbers	Aggregate	175	Gasoline	5.5144E-07	5.07214E-07	6.06826E-07	5.97039E-05	5.47508E-06	0.001791187	1.28409E-07	9.70202E-08	1.77936E-08	2.42949E-08	69.35	0	0	0
Kern	2027 Industrial - Misc - Sweepers/Scrubbers	Aggregate	2	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.002740532	0
Kern	2027 Industrial - Misc - Sweepers/Scrubbers	Aggregate	25	Gasoline	5.41924E-06	5.47343E-06	5.96355E-06	0.000435242	3.07482E-06	1.19419E-07	1.06861E-08	8.07397E-09	6.66689E-09	9.20278E-09	26.14	0	1.890513954	0
Kern	2027 Industrial - Misc - Sweepers/Scrubbers	Aggregate	25	Diesel	2.70345E-06	3.25167E-06	3.88626E-06	1.10984E-05	2.0548E-05	4.7429E-08	6.91003E-07	5.22091E-07	2.81922E-10	2.4285E-10	0.967	0	0.154622533	0
Kern	2027 Industrial - Misc - Sweepers/Scrubbers	Aggregate	5	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0.002740532	0
Kern	2027 Industrial - Misc - Sweepers/Scrubbers	Aggregate	50	Gasoline	0.000121978	0.000112196	0.00013423	0.010584067	0.000272916	0.095926188	6.61307E-06	4.99654E-06	1.16629E-06	1.49989E-06	4281.45	1638.85	3.15	57359.75
Kern	2027 Industrial - Mower	Aggregate	100	Diesel	1.75677E-05	2.12569E-05	2.52974E-05	0.0002076	0.000260766	0.088848872	1.65085E-05	1.51878E-05	8.41654E-07	0	2815.08118	1866.885876	2.650920861	49879.52864
Kern	2027 Industrial - Mower	Aggregate	175	Diesel	3.58891E-06	4.34258E-06	5.16802E-06	2.97269E-05	4.82981E-05	0.027258202	1.7269E-06	1.58874E-06	2.58213E-07	0	863.6468912	469.8040209	0.591074002	17079.97094
Kern	2027 Industrial - Mower	Aggregate	300	Diesel	2.61721E-07	3.16682E-07	3.76878E-07	1.13392E-06	4.16766E-06	0.001142979	1.36073E-07	1.25187E-07	1.08273E-08	0	36.21405418	14.29177214	0.015968476	712.1190407
Kern	2027 Industrial - Mower	Aggregate	50	Diesel	0.000173966	0.000210499	0.000250512	0.000751594	0.002605327	0.286708495	6.20741E-05	5.71081E-05	2.71595E-06	0	9084.051016	15476.31078	25.35867541	161354.5789
Kern	2027 Industrial - Mower	Aggregate	75	Diesel	5.22022E-05	6.31646E-05	7.51711E-05	0.000258838	0.001395313	0.191011707	2.09944E-05	1.93149E-05	1.80943E-06	0	6052.00097	6280.681519	9.628991028	107674.6308
Kern	2027 Industrial - Mower	Aggregate	9999	Diesel	1.09814E-05	1.32875E-05	1.58132E-05	3.47346E-05	0.00022632	0.051213593	6.04854E-06	5.56465E-06	4.8514E-07	0	1622.647736	77.92148511	0.127747808	32034.40957
Kern	2027 Industrial - Other General Industrial Equipment	Aggregate	100	Diesel	2.35242E-05	2.84643E-05	3.38748E-05	0.000192932	0.000297294	0.07735274	1.91238E-05	1.75939E-05	7.32752E-07	0	2450.838565	1702.803666	3.658258158	43414.60597
Kern	2027 Industrial - Other General Industrial Equipment	Aggregate	175	Diesel	4.80699E-05	5.81646E-05	6.92207E-05	0.000429533	0.000688572	0.242741327	2.92636E-05	2.69225E-05	2.29946E-06	0	7690.998479	3910.316687	5.989821408	151762.4361
Kern	2027 Industrial - Other General Industrial Equipment	Aggregate	300	Diesel	3.37308E-05	4.08143E-05	4.85724E-05	0.000156327	0.000449256	0.16214888	1.97834E-05	1.82008E-05	1.53601E-06	0	5137.513262	1519.919302	2.683637917	101385.8494
Kern	2027 Industrial - Other General Industrial Equipment	Aggregate	50	Diesel	0.000128928	0.000156003	0.000185656	0.000808019	0.001858484	0.19651573	5.2388E-05	4.8197E-05	1.86157E-06	0	6226.390059	10701.26632	23.50843002	110276.1716
Kern	2027 Industrial - Other General Industrial Equipment	Aggregate	600	Diesel	8.70754E-05	0.000105361	0.000125389	0.000502971	0.001096513	0.53667054	4.63594E-05	4.26506E-05	5.08381E-06	0	17003.8302	2934.924136	4.813045545	335886.3965
Kern	2027 Industrial - Other General Industrial Equipment	Aggregate	75	Diesel	3.24026E-05	3.92071E-05	4.66597E-05	0.000243924	0.000814794	0.106860115	1.98447E-05	1.82571E-05	1.01227E-06	0	3385.748078	3365.086797	6.883659519	60038.29007
Kern	2027 Industrial - Other General Industrial Equipment	Aggregate	750	Diesel	1.8687E-05	2.26112E-05	2.69092E-05	9.35568E-05	0.000244594	0.119154304	9.53503E-06	8.77223E-06	1.12873E-06	0	3775.276275	391.6158472	0.718702991	74482.00192
Kern	2027 Industrial - Other General Industrial Equipment	Aggregate	9999	Diesel	3.34655E-05	4.04933E-05	4.81904E-05	0.000126214	0.000884208	0.192373343	1.78924E-05	1.64611E-05	1.82233E-06	0	6095.14296	390.9491088	0.63873904	120406.8825
Kern	2027 Industrial - Other Truck	Aggregate	100	Diesel	1.2871E-06	1.55739E-06	1.85343E-06	1.22199E-05	2.14684E-05	0.010932671	8.68635E-07	7.99144E-07	1.03564E-07	0	346.3899427	271.1708093	0.31936952	6160.820043
Kern	2027 Industrial - Other Truck	Aggregate	175	Diesel	1.23519E-05	1.49457E-05	1.77867E-05	8.26956E-05	0.00015758	0.087778035	6.10735E-06	5.61877E-06	8.3151E-07	0	2781.152845	1217.638834	1.022256312	55020.26205
Kern	2027 Industrial - Other Truck	Aggregate	300	Diesel	2.88189E-05	3.48708E-05	4.14991E-05	0.000114737	0.000366326	0.159463398	1.49846E-05	1.37859E-05	1.51058E-06	0	5052.426649	1505.284139	1.453467004	99769.40041
Kern	2027 Industrial - Other Truck	Aggregate	50	Diesel	5.36525E-06	6.49195E-06	7.72596E-06	1.95775E-05	8.67503E-05	0.008931447	1.57485E-06	1.44886E-06	8.46064E-08	0	282.9833194	601.5419616	0.814392276	5031.729763
Kern	2027 Industrial - Other Truck	Aggregate	600	Diesel	8.91608E-05	0.000107885	0.000128392	0.000346584	0.001009282	0.583103992	4.01982E-05	3.69823E-05	5.52367E-06	0	18475.02433	3073.407994	3.721139851	364972.9984
Kern	2027 Industrial - Other Truck	Aggregate	75	Diesel	6.82076E-06	8.25311E-06	9.82189E

Kern	2027	Lawn and Garden - Misc - Wood Splitters	Aggregate	25	Gasoline	4.20108E-06	4.24931E-06	4.63068E-06	0.000243943	1.89589E-06	0.000595307	1.79523E-08	1.35344E-08	9.44644E-09	1.30603E-08	37.04653431	0	0.533094725	0
Kern	2027	Lawn and Garden - Misc - Wood Splitters	Aggregate	5	Gasoline	0.000439471	0.000444284	0.000483818	0.0200813	0.000158726	0.0485178	1.47598E-06	1.11626E-06	7.95079E-07	1.09825E-06	3044.125655	0	235.9012409	0
Kern	2027	Light Commercial - Misc - Air Compressors	Aggregate	100	Gasoline	0.00078206	0.000719339	0.000860609	0.040661195	0.001998499	0.764415281	5.32969E-05	4.02687E-05	7.38532E-06	1.10197E-05	31455.7	8336.6	17.23	583562
Kern	2027	Light Commercial - Misc - Air Compressors	Aggregate	15	Gasoline	0.059006	0.059622	0.065014	3.837930845	0.036859	7.674190711	0.00013143	0.00009935	0.00013267	0.00018282	518857.6928	0	4868.459418	0
Kern	2027	Light Commercial - Misc - Air Compressors	Aggregate	15	Diesel	0.0000097	0.00001166	0.00001398	0.0000605	0.0000732	0.0099	0.000002701	0.000002048	0.000000095	8.17E-08	325.3774734	0	1.229782423	0
Kern	2027	Light Commercial - Misc - Air Compressors	Aggregate	15	Electric	0	0	0	0	0	0	0	0	0	0	0	0	59846.57121	0
Kern	2027	Light Commercial - Misc - Air Compressors	Aggregate	175	Gasoline	8.06478E-05	7.41798E-05	8.8748E-05	0.003526547	0.000272734	0.095737922	6.86339E-06	5.18567E-06	9.51056E-07	1.3375E-06	3817.9	536.55	1.09	71897.7
Kern	2027	Light Commercial - Misc - Air Compressors	Aggregate	25	Gasoline	0.00082775	0.00083705	0.00091153	0.120951	0.00123883	0.186683573	3.0354E-06	0.000002292	3.6053E-06	4.9684E-06	14161.54814	0	50.38817994	0
Kern	2027	Light Commercial - Misc - Air Compressors	Aggregate	25	Diesel	4.037E-05	0.00004859	0.000058	0.0001644	0.0003056	0.03975	1.074E-05	0.00000811	3.793E-07	3.266E-07	1301.264109	0	2.466247531	0
Kern	2027	Light Commercial - Misc - Air Compressors	Aggregate	25	Electric	0	0	0	0	0	0	0	0	0	0	0	0	317.0776661	0
Kern	2027	Light Commercial - Misc - Air Compressors	Aggregate	5	Gasoline	0.01251	0.012632	0.013771	0.511121074	0.0037966	1.224059674	1.9252E-05	0.000014524	0.000019779	0.000027313	77240.45421	0	1834.970101	0
Kern	2027	Light Commercial - Misc - Air Compressors	Aggregate	5	Electric	0	0	0	0	0	0	0	0	0	0	0	0	22556.75963	0
Kern	2027	Light Commercial - Misc - Air Compressors	Aggregate	50	Gasoline	0.000260404	0.000239519	0.000286558	0.021818512	0.000352091	0.119208271	8.21811E-06	6.20924E-06	1.44936E-06	2.04973E-06	5850.95	2576.9	5.34	90191.5
Kern	2027	Light Commercial - Misc - Air Compressors	Aggregate	50	Diesel	0.000238866	0.00028427	0.000343967	0.002591069	0.001896766	0.305898797	5.13992E-05	4.72873E-05	3.84056E-06	2.50308E-06	9949.9	9749.15	11.99	360718.55
Kern	2027	Light Commercial - Misc - Gas Compressors	Aggregate	100	Nat Gas	0	0	9.675E-05	0.0502367	0.003812255	1.20169315	0	0	0	0	66492.05	6865.65	0.81	604177.2
Kern	2027	Light Commercial - Misc - Gas Compressors	Aggregate	175	Nat Gas	0	0	2.69841E-05	0.010219006	0.001020142	0.312744574	0	0	0	0	17074.7	1105.95	0.12	161468.7
Kern	2027	Light Commercial - Misc - Gas Compressors	Aggregate	300	Nat Gas	0	0	2.07574E-05	0.011758857	0.000986373	0.322323534	0	0	0	0	17687.9	886.95	0.11	186259.5
Kern	2027	Light Commercial - Misc - Gas Compressors	Aggregate	50	Nat Gas	0	0	1.7743E-05	0.003141444	0.000644225	0.213843999	0	0	0	0	11362.45	3321.5	0.4	106288
Kern	2027	Light Commercial - Misc - Gas Compressors	Aggregate	600	Nat Gas	0	0	2.92334E-05	0.016560393	0.001389141	0.453939011	0	0	0	0	24907.6	770.15	0.1	260310.7
Kern	2027	Light Commercial - Misc - Generator Sets	Aggregate	100	Gasoline	0.000264775	0.00024354	0.000291369	0.012099185	0.001639591	0.512537269	3.57353E-05	2.7E-05	4.95183E-06	7.06088E-06	20155.3	3869	33.8	321127
Kern	2027	Light Commercial - Misc - Generator Sets	Aggregate	100	Nat Gas	0	0	1.31043E-06	0.001049584	0.000100457	0.033231026	0	0	0	0	1803.1	295.65	2.49	24538.95
Kern	2027	Light Commercial - Misc - Generator Sets	Aggregate	15	Gasoline	0.0458147	0.046193124	0.050308498	3.046791921	0.024219833	7.864369051	0.00013425	0.000101414	0.000121837	0.000168164	477861.3279	0	11072.24261	0
Kern	2027	Light Commercial - Misc - Generator Sets	Aggregate	15	Diesel	0.0005069	0.00061	0.000729	0.003536	0.004284	0.578240449	0.0001596	0.0001206	0.00000555	0.000004774	18997.30491	0	122.5655563	0
Kern	2027	Light Commercial - Misc - Generator Sets	Aggregate	175	Gasoline	2.70618E-05	2.48914E-05	2.97798E-05	0.002666058	0.000282879	0.082847901	5.93931E-06	4.48748E-06	8.23007E-07	1.15976E-06	3310.55	365	3.19	53290
Kern	2027	Light Commercial - Misc - Generator Sets	Aggregate	175	Nat Gas	0	0	1.44905E-06	0.001256425	0.000135862	0.048459753	0	0	0	0	2609.75	262.8	2.09	38368.8
Kern	2027	Light Commercial - Misc - Generator Sets	Aggregate	2	Gasoline	0.13293366	0.13424284	0.14624216	2.877500414	0.039480251	6.340859516	0.000267034	0.000201877	0.000109693	0.000151478	422447.3115	0	26731.20005	0
Kern	2027	Light Commercial - Misc - Generator Sets	Aggregate	2	Electric	0	0	0	0	0	0	0	0	0	0	0	0	7999.914558	0
Kern	2027	Light Commercial - Misc - Generator Sets	Aggregate	25	Gasoline	0.001609205	0.00162516	0.001770529	0.180550245	0.000933005	0.283016871	4.67855E-06	3.53764E-06	5.42607E-06	7.48625E-06	21350.40859	0	212.31655	0
Kern	2027	Light Commercial - Misc - Generator Sets	Aggregate	25	Diesel	0.000738	0.000887	0.00106	0.003031	0.00562	0.730535525	0.0001989	0.0001509	6.98E-06	0.00000601	23941.53536	0	89.64795707	0
Kern	2027	Light Commercial - Misc - Generator Sets	Aggregate	5	Gasoline	0.014012	0.0141485	0.015423	0.732820403	0.00323186	1.569623719	2.77626E-05	2.09865E-05	2.67028E-05	3.67895E-05	103316.2232	0	6120.763134	0
Kern	2027	Light Commercial - Misc - Generator Sets	Aggregate	50	Gasoline	0.001289869	0.001186422	0.001419422	0.090746113	0.002794523	1.034780267	7.13368E-05	5.38989E-05	1.2581E-05	1.56702E-05	44730.75	20104.2	175.02	643334.4
Kern	2027	Light Commercial - Misc - Generator Sets	Aggregate	50	Diesel	0.000439877	0.00052349	0.000633423	0.005520097	0.004865481	0.842399951	0.000116448	0.000107132	1.06297E-05	6.89312E-06	27400.55	19618.75	58.15	647418.75
Kern	2027	Light Commercial - Misc - Pressure Washers	Aggregate	15	Gasoline	0.0167462	0.0169166	0.018426	1.453498798	0.0086569	2.880359288	0.000048623	3.67586E-05	4.9611E-05	0.000068395	194803.1737	0	6514.874472	0
Kern	2027	Light Commercial - Misc - Pressure Washers	Aggregate	15	Diesel	4.823E-06	0.00000579	0.00000693	3.364E-05	0.00004075	0.0055	0.000001511	0.000001145	5.277E-08	4.542E-08	180.7998862	0	5.675267362	0
Kern	2027	Light Commercial - Misc - Pressure Washers	Aggregate	15	Electric	0	0	0	0	0	0	0	0	0	0	0	0	12356.56406	0
Kern	2027	Light Commercial - Misc - Pressure Washers	Aggregate	2	Gasoline	7.4561E-06	7.5337E-06	8.2139E-06	0.000139445	2.56955E-06	0.000319057	5.1188E-09	3.8719E-09	5.4376E-09	7.4982E-09	21.0324556	0	4.759992549	0
Kern	2027	Light Commercial - Misc - Pressure Washers	Aggregate	2	Electric	0	0	0	0	0	0	0	0	0	0	0	0	9.028122592	0
Kern	2027	Light Commercial - Misc - Pressure Washers	Aggregate	25	Gasoline	0.00026414	0.000266176	0.0029077	0.02547	0.000131549	0.050493	8.5292E-07	6.4529E-07	8.667E-07	1.19636E-06	3413.535224	0	43.2258094	0
Kern	2027	Light Commercial - Misc - Pressure Washers	Aggregate	25	Diesel	0.000001866	0.000002246	0.000002687	0.00000766	0.00001423	0.001853	5.019E-07	3.792E-07	1.768E-08	1.522E-08	60.6448673	0	1.305720466	0
Kern	2027	Light Commercial - Misc - Pressure Washers	Aggregate	25	Electric	0	0	0	0	0	0	0	0	0	0	0	0	81.98506347	0
Kern	2027	Light Commercial - Misc - Pressure Washers	Aggregate	5	Gasoline	0.0221919	0.0223843	0.0244252	1.063631412	0.0091445	2.434492147	3.90839E-05	2.96009E-05	3.99266E-05	5.513E-05	156030.804	0	17024.6621	0
Kern	2027	Light Commercial - Misc - Pressure Washers	Aggregate	5	Electric	0	0	0	0	0	0	0	0	0	0	0	0	32290.15829	0
Kern	2027	Light Commercial - Misc - Pressure Washers	Aggregate	50	Gasoline	1.15885E-05	1.06591E-05	1.27525E-05	0.00083961	1.94283E-05	0.010477093	7.22281E-07	5.45724E-07	1.27382E-07	1.4577E-07	416.1	189.8	1.58	5504.2
Kern	2027	Light Commercial - Misc - Pressure Washers	Aggregate	50	Diesel	1.44767E-06	1.72284E-06	2.08464E-06	2.24432E-05	2.23992E-05	0.002917597	4.45103E-07	4.09495E-07	5.1076E-08	2.38739E-08	94.9	197.1	1.31	7489.8
Kern	2027	Light Commercial - Misc - Pumps	Aggregate	100	Gasoline	0.000299612	0.000275583	0.000329705	0.016195207	0.000791807	0.587355864	4.09519E-05	3.09414E-05	5.67468E-06	8.13625E-06	23224.95	3909.15	17.73	363550.95
Kern	2027	Light Commercial - Misc - Pumps	Aggregate	15	Gasoline	0.0062892	0.0063465	0.0069182	0.409863772	0.0035736	0.947578519	1.55116E-05	1.17489E-05	0.000015334	0.000021158	60180.6303	0	1528.548098	0
Kern	2027	Light Commercial - Misc - Pumps	Aggregate	15	Diesel	0.0003706	0.0004455	0.0005326	0.002307	0.002798	0.376553722	0.0001042	0.0000788	3.609E-06	0.000003116	12378.40132	0	92.05487682	0
Kern	2027	Light Commercial - Misc - Pumps	Aggregate	175	Gasoline	1.15129E-05	1.05896E-05	1.26692E-05	0.000879266	3.88792E-05	0.02666512	1.9116E-06	1.44432E-06	2.6489E-07	3.72096E-07	1062.15	105.85	0.58	15242.4
Kern	2027	Light Commercial - Misc - Pumps	Aggregate	2	Gasoline	0.00236346	0.00239495	0.0026036	0.0236713	0.00017323	0.067726053	9.05458E-07	6.84261E-07	1.11427E-06	1.53874E-06	4221.102197	0	554.0541473	0
Kern	2027	Light Commercial - Misc - Pumps	Aggregate	2	Electric	0	0	0	0	0	0	0	0	0	0	0	0	43516.8785	0
Kern	2027	Light Commercial - Misc - Pumps	Aggregate	25	Gasoline	4.672E-05	0.00004714	0.000051422	0.0033733	0.000033969	0.007804348	1.29091E-07	9.7517E-08	1.25902E-07	1.74052E-07	494.948367	0	5.090053237	0
Kern	2027	Light Commercial - Misc - Pumps	Aggregate	25	Diesel	0.0003007	0.000362	0.0004331	0.001224	0.002271	0.295270673	0.0000803	0.0000606	0.000002823	0.00000243	9676.387528	0	27.4934209	0
Kern	2027	Light Commercial - Misc - Pumps	Aggregate	5	Gasoline	0.0048465	0.0048916	0.0053368	0.217847971	0.00163199	0.513044211	8.0066E-06	6.0379E-06	8.3929E-06	1.15788E-05	32531.38266	0	1678.196164	0
Kern	2027	Light Commercial - Misc - Pumps	Aggregate	50	Gasoline	0.000200076	0.00018403	0.000220171	0.01620811	0.000313923	0.156223938	1.07699E-05	8.13729E-06	1.8994E-06	2.41543E-06	6894.85	3091.55	14.01	95838.05
Kern	2027	Light Commercial - Misc - Pumps	Aggregate	50	Diesel	0.000284531	0.000338616	0.000409725	0.003397603	0.002887756	0.492961634	7.27964E-05	6.69727E-05	6.22144E-06	4.03376E-06	16034.45	10238.25	25.47	378815.25
Kern	2027	Light Commercial - Misc - Welders	Aggregate	100	Gasoline	0.000340872	0.000313534	0.000375109	0.015265114	0.000970665	0.492071859	3.43084E-05	2.59219E-05	4.7541E-06	6.85757E-06	19574.95	5894.75	28.37	412632.5
Kern	2027	Light Commercial - Misc - Welders	Aggregate	15	Gasoline	0.031563255	0.031850543	0.0347799	1.868094778	0.01447442	3.392399843	0.000081641	6.17144E-05	6.12612E-05	8.45152E-05	240126.3802	0	4993.421629	0
Kern	2027	Light Commercial - Misc - Welders	Aggregate	15	Diesel	0.0002234	0.0002688	0.0003215	0.001387	0.001682	0.227159292	0.0000628	0.0000475	0.000002173	0.000001877	7465.240258	0	41.61375029	0
Kern	2027	Light Commercial - Misc - Welders	Aggregate	15	Electric	0	0	0	0	0	0	0	0	0	0	0	0	21358.564	0
Kern	2027	Light Commercial - Misc - Welders	Aggregate	175	Gasoline	3.19675E-05	2.94037E-05	3.51783E-05	0.002042294	0.000133705	0.061266616	4.39216E-06	3.31852E-06	6.0862E-07	8.56716E-07	2445.5	390.55	1.94	50771.5
Kern	2027	Light Commercial - Misc - Welders	Aggregate	25	Diesel	0.0003706	0.0004456	0.0005327	0.001509	0.002798	0.363494733	9.89E-05	0.0000747	0.000003474	0.000002995	11913.74113	0	36.6324514	0
Kern	2027	Light Commercial - Misc - Welders	Aggregate	50	Gasoline	0.000480614	0.000442069	0.000528886	0.034780271	0.000757637	0.313457047	2.16094E-05	1.63271E-05	3.81107E-06	4.91014E-06	14016	5777.95	27.78	260007.75
Kern	2027	Light Commercial - Misc - Welders	Aggregate	50	Diesel	0.000999503	0.001189491	0.001439284	0.011096209	0.008540759	1.403476248	0.000231005	0.000212524	1.76506E-05	1.14842E-05	45650.55	38430.85	59.84	1767819.1
Kern	2027	Locomotive - Industrial/Military	Aggregate	0	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	38017
Kern	2027	Locomotive - Line haul	Aggregate	0	Diesel	0.205941	0.249	0.297	1.465	5.995	0	0.135	0.124	0.006	0.005	0	0	0	0
Kern	2027	Locomotive - Passenger	Aggregate	0	Diesel	0.003072588	0.00000161	0.00000192	0.01284477	0.05736292	5.304746402	0.001315326	0.0012101	0.000049	0.0000433	0	0	0	0
Kern	2027	Locomotive - Short line	Aggregate	0	Diesel	0.003629919	0.000000485	0.000000577	0.011663764	0.098169409	5.812770671	0.001661953	0.001528996	0.0000515	0.0000474	0	0	0	0
Kern	2027	Locomotive - Switcher	Aggregate	0	Diesel	0.006632418	0.00000118	0.0000014	0.017768912	0.103813649	6.519611548	0.002225472	0.002047434	0.0000598	0.0000532	0	0	0	0
Kern	2027	Military Tactical Support - Misc - A/C Unit	Aggregate	100	Diesel	4.34597E-06	5.17207E-06	6.2582E-06	0.000101033	5.93531E-05	0.017842226	1.8226E-06	1.67679E-06	2.03958E-07	1.45998E-07	580.35	167.9	0.53	16957.9
Kern	2027	Military Tactical Support - Misc - A/C Unit	Aggregate	300	Diesel	2.36088E-06	2.80964E-06	3.39966E-06	2.60594E-05	2.04418E-05	0.01514906	5.70325E-07	5.24699E-07	1.68196E-07	1.2396E-07	492.75	58.4	0.17	12147.2
Kern	2027	Military Tactical Support - Misc - A/C Unit	Aggregate	600	Diesel	1.38736E-06	1.65107E-06	1.99779E-06	1.53229E-05	1.13816E-05	0.009089436	3.33639E-07	3.06947E-07	8.78476E-08	7.43763E-08	295.65	0	0.09	0
Kern	2027	Military Tactical Support - Misc - Aircraft Support	Aggregate	100	Diesel	7.95418E-07	9.46613E-07	1.1454E-06	1.84914E-05	1.08631E-05	0.003142027	3.3358E-07	3.06893E-07	3.73293E-08	2.57103E-08	102.2	58.4	0.16	3971.2
Kern	2027	Military Tactical Support - Misc - Aircraft Support	Aggregate	175	Diesel	1.76147E-06	2.0963E-06	2.53652E-06	4.78888E-05	1.64092E-05	0.009313867	6.07188E-07	5.58613E-07	1.05311E-07	7.62127E-08	302.95	58.4	0.17	8176
Kern	2027	Military Tactical Support - Misc - Cart	Aggregate	100	Diesel	4.06064E-07	4.8325E-07	5.84733E-07	9.43995E-06	5.54563E-06	0.001795444	1.70294E-07	1.5667E-07	1.90567E-08	1.46916E-08	58.4	0	0	0
Kern	2027	Military Tactical Support - Misc - Cart	Aggregate	175	Diesel	1.44378E-07	1.71822E-07	2.07904E-07	3.92517E-06	1.34496E-06	0	4.97678E-08	4.57863E-08	8.63171E-09	0	0	0	0	0
Kern	2027	Military Tactical Support - Misc - Cart	Aggregate	300	Diesel	5.20005E-07	6.18849E-07	7.48807E-07	5.73983E-06	4.50251E-06	0.003254243	1.25619E-07	1.1557E-07	3.70468E-08	2.66285E-08	105.85	0	0	0
Kern	2027	Military Tactical Support - Misc - Communications	Aggregate	100	Diesel	2.00526E-07	2.38642E-07	2.88757E-07	4.6617E-06	2.73859E-06	0	8.40957E-08	7.73681E-08	9.41074E-09	0	0	0	0	0
Kern	2027	Military Tactical Support - Misc - Communications	Aggregate	50	Diesel	1.16765E-07	1.3896E-07	1.68142E-07	1.69746E-06	1.54574E-06	0	3.08449E-08	2.83773E-08	3.45701E-09	0	0	0	0	0
Kern	2027	Military Tactical Support - Misc - Compressor	Aggregate	100	Diesel	4.47882E-06	5.33017E-06	6.4495E-06	0.000104121	6.11674E-05	0.018291087	1.87831E-06	1.72805E-06	2.10193E-07	1.49671E-07	594.95	248.2	0.81	17622.2
Kern	2027	Military Tactical Support - Misc - Compressor	Aggregate	175	Diesel	2.10119E-07	2.50059E-07	3.02571E-07	5.71245E-06	1.95738E-06	0.001458798	7.24289E-08	6.66346E-08	1.25621E-08	1.19369E-08	47.45	0	0	0
Kern	2027	Military Tactical Support - Misc - Compressor	Aggregate	300	Diesel	4.70908E-07	5.6042E-07	6.78108E-07	5.1979E-06	4.0774E-06	0.002805381	1.13759E-07	1.04658E-07	3.3549E-08	2.29556E-08	91.25	0	0	0
Kern	2027	Military Tactical Support - Misc - Compressor	Aggregate	50	Diesel	1.43037E-07	1.70226E-07	2.05974E-07	2.07939E-06	1.89353E-06	0	3.7785E-08	3.47622E-08	4.23483E-09	0	0	0	0	0
Kern	2027	Military Tactical Support - Misc - Compressor	Aggregate	600	Diesel	2.7058E-06	3.22012E-06	3.89635E-06	2.98847E-05	2.21979E-05	0.017617796	6.50704E-07	5.98648E-07	1.71331E-07	1.44161E-07	573.05	58.4	0.16	21783.2
Kern	2027	Military Tactical Support - Misc - Crane	Aggregate	100	Diesel	4.17202E-07	4.96505E-07	6.00771E-07	1.575E-05	6.8885E-06	0.002917597	5.5526E-08	5.10839E-08	3.29376E-08	2.38739E-08	94.9	32.85	0.09	3449.25
Kern	2027	Military Tactical Support - Misc - Crane	Aggregate	175	Diesel	7.54931E-08	8.9843E-08	1.0871E-07	3.50991E-06	4.03989E-07	0.001009937	1.23306E-08	1.13441E-08	7.95471E-09	8.26403E-09	32.85	0	0	0
Kern	2027	Military Tactical Support - Misc - Crane	Aggregate	300	Diesel	7.45725E-08	8.87474E-08	1.07384E-07	1.21004E-06	3.57084E-07	0.001009937	1.15508E-08	1.06268E-08	8.04874E-09	8.26403E-09	32.85	0	0	0
Kern	2027	Military Tactical Support - Misc - Deicer	Aggregate	100	Diesel	1.83815E-07	2.18755E-07	2.64694E-07	4.27323E-06	2.51037E-06	0	7.70877E-08	7.09207E-08	8.62651E-09	0	0	0	0	0
Kern	2027	Military Tactical Support - Misc - Generator	Aggregate	100	Diesel	2.33011E-05	2.77302E-05	3.35535E-05	0.00054169	0.000318224	0.095270755	9.77192E-06	8.99017E-06	1.09353E-06	7.79573E-07	3098.85	1091.35	3.63	90582.05
Kern	2027	Military Tactical Support - Misc - Generator	Aggregate	175	Diesel	2.50151E-05	2.97701E-05	3.60218E-05	0.00068008	0.000233031	0.135331603	8.62283E-06	7.93301E-06	1.49554E-06	1.10738E-06	4401.9	879.65	2.94	129308.55
Kern	2027	Military Tactical Support - Misc - Generator	Aggregate	300	Diesel	8.41748E-06	1.00175E-05	1.21212E-05	9.29124E-05	7.28835E-05	0.054312185	2.03344E-06	1.87077E-06	5.99688E-07	4.44421E-07	1766.6	233.6	0.77	52092.8
Kern	2027	Military Tactical Support - Misc - Generator	Aggregate	50	Diesel	7.48757E-07	8.91082E-07	1.07821E-06	1.0885E-05	9.91204E-06	0.001795444	1.97793E-07	1.8197E-07	2.2168E-08	1.46916E-08	58.4	54.75	0.16	2080.5
Kern	2027	Military Tactical Support - Misc - Generator	Aggregate	600	Diesel	5.2292E-06	6.22319E-06	7.53005E-06	5.77549E-05	4.28995E-05	0.034225654	1.25755E-06	1.15694E-06	3.31114E-07	2.80059E-07	1113.25	83.95	0.32	29214.6
Kern	2027	Military Tactical Support - Misc - Generator	Aggregate	750	Diesel	2.78151E-07	3.31022E-07	4.00537E-07	3.0556E-06	2.31067E-06	0.001795444	6.72238E-08	6.18459E-08	1.79453E-08	1.46916E-08	58.4	0	0	0
Kern	2027	Military Tactical Support - Misc - Hydraulic Unit	Aggregate	100	Diesel	2.65905E-06	3.16449E-06	3.82904E-06	6.18161E-05	3.63148E-05	0.01088488	1.11514E-06	1.02593E-06	1.2479E-07	8.90679E-08	354.05	105.85	0.34	10055.75
Kern	2027	Military Tactical Support - Misc - Lift	Aggregate	100	Diesel	7.93747E-08	9.44624E-08	1.143E-07	1.84526E-06	1.08402E-06	0	3.32879E-08	3.06249E-08	3.72508E-09	0	0	0	0	0
Kern	2027	Military Tactical Support - Misc - Light	Aggregate	50	Diesel	1.82446E-07	2.17125E-07	2.62722E-07	2.65228E-06	2.41521E-06	0	4.81952E-08	4.43396E-08	5.40157E-09	0	0	0	0	0
Kern	2027	Military Tactical Support - Misc - Other Tactical Support Equipment	Aggregate	100	Diesel	5.28051E-07	6.28424E-07	7.60393E-07	1.22758E-05	7.21161E-06	0.001795444	2.21452E-07	2.03736E-07	2.47816E-08	1.46916E-08	58.4	0	0.06	0
Kern	2027	Military Tactical Support - Misc - Other Tactical Support Equipment	Aggregate	175	Diesel	7.44852E-07	8.86435E-07	1.07259E-06	2.02501E-05	6.93873E-06	0.003815319	2.56754E-07	2.36214E-07	4.45314E-08	3.12197E-08	124.1	0	0.06	0
Kern	2027	Military Tactical Support - Misc - Other Tactical Support Equipment	Aggregate	300	Diesel	3.45262E-07	4.10891E-07	4.97178E-07	3.81101E-06	2.98948E-06	0.001795444	8.34062E-08	7.67337E-08	2.45976E-08	1.46916E-08	58.4	0	0	0
Kern	2027	Military Tactical Support - Misc - Other Tactical Support Equipment	Aggregate	50	Diesel	3.64891E-08	4.34251E-08	5.25443E-08	5.30456E-07	4.83043E-07	0	9.63904E-09	8.86791E-09	1.08031E-09	0	0	0	0	0
Kern	2027	Military Tactical Support - Misc - Other Tactical Support Equipment	Aggregate	600	Diesel	1.39901E-07	1.66494E-07	2.01458E-07	1.54517E-06	1.14773E-06	0.000224431	3.36442E-08	3.09527E-08	8.85858E-09	1.83645E-09	7.3	0	0	0
Kern	2027	Military Tactical Support - Misc - Other Tactical Support Equipment	Aggregate	750	Diesel	1.63057E-07	1.94051E-07	2.34802E-07	1.79125E-06	1.35455E-06	0.001122153	3.94078E-08	3.62552E-08	1.05199E-08	9.18225E-09	36.5	0	0	0
Kern	2027	Military Tactical Support - Misc - Pressure Washers	Aggregate	175	Diesel	1.43434E-07	1.70699E-07	2.06545E-07	3.89951E-06	1.33617E-06	0	4.94425E-08	4.54871E-08	8.57529E-09	0	0	0	0	0
Kern	2027	Military Tactical Support - Misc - Pump	Aggregate	100	Diesel	1.87993E-06	2.23727E-06	2.70709E-06	4.37035E-05	2.56742E-05	0.007630638	7.88397E-07	7.25326E-07	8.82257E-08	6.24393E-08	248.2	58.4	0.18	5840
Kern	2027	Military Tactical Support - Misc - Pump	Aggregate	50	Diesel	1.65077E-06	1.96455E-06	2.37711E-06	2.39978E-05	2.18528E-05	0.003703104	4.3607E-07	4.01184E-07	4.88734E-08	3.03014E-08	120.45	83.95	0.32	3274.05
Kern	2027	Military Tactical Support - Misc - Start Cart	Aggregate	100	Diesel	4.17762E-08	4.97171E-08	6.01577E-08	9.71188E-07	5.70539E-07	0	1.75199E-08	1.61183E-08	1.96057E-09	0	0	0	0	0
Kern	2027	Military Tactical Support - Misc - Start Cart	Aggregate	600	Diesel	7.33187E-08	8.72553E-08	1.05579E-07	8.09782E-07	6.01495E-07	0	1.76321E-08	1.62215E-08	4.64255E-09	0	0	0	0	0
Kern	2027

Kern	2027	Portable Equipment - Rental Compressor	Aggregate	300	Diesel	3.93593E-05	4.76248E-05	5.66774E-05	0.000561	6.62867E-05	0.288755746	5.03878E-06	4.63568E-06	2.67533E-06	2.36281E-06	9392.291925	2247.460449	4.037653744	574775.042
Kern	2027	Portable Equipment - Rental Compressor	Aggregate	600	Diesel	0.000167557	0.000202744	0.000241283	0.001944274	0.000907832	1.012029339	4.44124E-05	4.08594E-05	9.37559E-06	8.28115E-06	32918.04617	3940.117873	7.078581379	2014467.983
Kern	2027	Portable Equipment - Rental Compressor	Aggregate	75	Diesel	2.11228E-05	2.55586E-05	3.04169E-05	0.000423952	0.000313312	0.063545107	3.30183E-06	3.03768E-06	5.88373E-07	5.19971E-07	2066.917117	2126.556347	3.820444627	126488.0161
Kern	2027	Portable Equipment - Rental Compressor	Aggregate	750	Diesel	0.000356885	0.000431831	0.000513914	0.00329366	0.001136604	1.577498643	7.7985E-05	7.17462E-05	1.46113E-05	1.29082E-05	51310.93653	4416.95506	7.935238703	3140047.811
Kern	2027	Portable Equipment - Rental Compressor	Aggregate	9999	Diesel	5.94196E-05	7.18977E-05	8.55642E-05	0.000603087	0.000959651	0.296857345	1.20841E-05	1.11174E-05	2.74982E-06	2.4291E-06	9655.810774	796.6112276	1.431144342	590901.4634
Kern	2027	Portable Equipment - Rental Generator	Aggregate	100	Diesel	0.001087761	0.001316191	0.001566376	0.033556818	0.005568499	4.54123952	0.000640453	0.000589217	4.20606E-05	3.71597E-05	147711.8562	96097.72322	63.31138435	9039443.093
Kern	2027	Portable Equipment - Rental Generator	Aggregate	175	Diesel	0.001244358	0.001505673	0.001791875	0.034357087	0.004047006	5.373010888	0.00018345	0.000168774	4.97657E-05	4.39658E-05	174766.6927	75422.59926	49.69013844	10695103.38
Kern	2027	Portable Equipment - Rental Generator	Aggregate	300	Diesel	0.001620983	0.001961389	0.002334215	0.014509429	0.00322074	6.440466882	0.000180616	0.000166167	5.96488E-05	5.27005E-05	209487.589	57425.07479	37.83295649	12819899.42
Kern	2027	Portable Equipment - Rental Generator	Aggregate	600	Diesel	0.00202881	0.00245486	0.002921486	0.018310904	0.004101209	8.766447749	0.000248181	0.000228326	8.11963E-05	7.17333E-05	285144.2351	47127.57065	31.04872456	17449818.54
Kern	2027	Portable Equipment - Rental Generator	Aggregate	75	Diesel	0.000635592	0.000769066	0.000915252	0.010208585	0.00737363	1.419754438	0.00012416	0.000114228	1.31408E-05	1.16174E-05	46180.02696	43713.55549	28.79949306	2826054.295
Kern	2027	Portable Equipment - Rental Generator	Aggregate	750	Diesel	0.00025818	0.000312398	0.000371779	0.002402127	0.001389818	1.180060464	6.96618E-05	6.40888E-05	1.09304E-05	9.6561E-06	38383.55605	3626.619759	2.389300285	2348937.854
Kern	2027	Portable Equipment - Rental Generator	Aggregate	9999	Diesel	0.001670887	0.002021774	0.002406078	0.014639939	0.027308583	7.148802716	0.000614115	0.000564985	6.62129E-05	5.84966E-05	232527.4662	10550.16657	6.950691738	14229858.4
Kern	2027	Portable Equipment - Rental Other Portable Equipment	Aggregate	100	Diesel	0.000135052	0.000163413	0.000194475	0.003840347	0.000963693	0.531836458	8.83781E-05	8.13079E-05	4.9256E-06	4.35187E-06	17298.92249	12194.4539	9.289242713	1058632.864
Kern	2027	Portable Equipment - Rental Other Portable Equipment	Aggregate	175	Diesel	0.000601538	0.00072786	0.000866214	0.015933103	0.003080213	2.510489066	0.000130386	0.000119956	2.3252E-05	2.05426E-05	81658.102	38512.7295	29.33744265	4997186.99
Kern	2027	Portable Equipment - Rental Other Portable Equipment	Aggregate	300	Diesel	0.000224262	0.000271357	0.000322938	0.002100046	0.000232523	0.937732846	1.97286E-05	1.81503E-05	8.68522E-06	7.6732E-06	30501.42119	8319.730119	6.337634553	1866579.083
Kern	2027	Portable Equipment - Rental Other Portable Equipment	Aggregate	50	Diesel	9.47573E-06	1.14656E-05	1.3645E-05	0.000136872	9.27001E-05	0.013285908	2.97819E-06	2.73994E-06	1.22864E-07	1.08715E-07	432.147687	570.2825608	0.434418234	23788.35513
Kern	2027	Portable Equipment - Rental Other Portable Equipment	Aggregate	600	Diesel	0.000166902	0.000201951	0.000240339	0.001504316	0.000307893	0.715220508	2.24675E-05	2.06701E-05	6.62445E-06	5.85244E-06	23263.81341	3421.695365	2.606509402	1423663.089
Kern	2027	Portable Equipment - Rental Other Portable Equipment	Aggregate	75	Diesel	0.000301909	0.00036531	0.000434749	0.005757605	0.004206635	0.849913106	3.45315E-05	3.17689E-05	7.86888E-06	6.9546E-06	27644.92866	25947.85652	19.76602963	1691771.844
Kern	2027	Portable Equipment - Rental Other Portable Equipment	Aggregate	750	Diesel	8.93901E-05	0.000108162	0.000128722	0.000781787	0.000389312	0.378910806	2.69306E-05	2.47762E-05	3.50948E-06	3.10052E-06	12324.74487	1140.565122	0.868836467	754230.789
Kern	2027	Portable Equipment - Rental Other Portable Equipment	Aggregate	9999	Diesel	0.000664256	0.00080375	0.000956529	0.006095425	0.009612275	2.914288397	0.000126472	0.000116355	2.69929E-05	2.38468E-05	94792.39023	6491.62829	4.945060377	5800958.968
Kern	2027	Portable Equipment - Rental Pump	Aggregate	100	Diesel	0.000545384	0.000659915	0.000785354	0.017759738	0.003890585	2.469491543	0.00037541	0.000345378	2.28736E-05	2.02071E-05	80324.58498	54264.26985	52.98684536	4915580.465
Kern	2027	Portable Equipment - Rental Pump	Aggregate	175	Diesel	0.001723799	0.002085797	0.002482271	0.056363993	0.008265453	9.379604639	0.000289497	0.000266337	8.68889E-05	7.67506E-05	305088.2487	129531.9869	126.4826999	18670321.62
Kern	2027	Portable Equipment - Rental Pump	Aggregate	300	Diesel	0.002651649	0.003208495	0.003818374	0.02826032	0.012205084	13.63216935	0.000528515	0.000486234	0.000126279	0.000111548	443410.4456	118916.9587	116.117558	27135150.77
Kern	2027	Portable Equipment - Rental Pump	Aggregate	50	Diesel	6.21736E-05	7.52301E-05	8.953E-05	0.000975046	0.000574362	0.109377657	3.65324E-06	3.36098E-06	1.01197E-06	8.95006E-07	3557.70197	4004.021996	3.909764103	195840.1732
Kern	2027	Portable Equipment - Rental Pump	Aggregate	600	Diesel	0.002662744	0.00322192	0.003834351	0.025459471	0.01361694	12.67797998	0.000572658	0.000526846	0.000117434	0.00010374	412373.7467	62076.89544	60.61555547	25235814.59
Kern	2027	Portable Equipment - Rental Pump	Aggregate	75	Diesel	0.000478686	0.00057921	0.000689307	0.01060779	0.008247897	1.633300974	0.000164666	0.000151493	1.51249E-05	1.33648E-05	53126.00615	45274.97037	44.20916121	3251123.651
Kern	2027	Portable Equipment - Rental Pump	Aggregate	750	Diesel	0.000107834	0.000130479	0.000155281	0.00111331	0.000906995	0.572000473	5.61763E-05	5.16822E-05	5.2987E-06	4.68052E-06	18605.32819	1779.565331	1.737672934	1138580.271
Kern	2027	Portable Equipment - Rental Pump	Aggregate	9999	Diesel	4.96079E-05	6.00255E-05	7.14354E-05	0.000896467	0.002771025	0.493576631	5.71956E-05	5.26199E-05	4.57353E-06	4.0388E-06	16054.45385	222.4456664	0.217209117	982475.7855
Kern	2027	Recreational Vehicles - All Terrain Vehicles (Atvs) Active	Aggregate	120	Gasoline	0.014188	0.014324	0.015633	0.318361944	0.007590216	5.853381448	0.00074015	0.0005594	7.22314E-05	8.40248E-05	238826.854	0	6099.883265	0
Kern	2027	Recreational Vehicles - All Terrain Vehicles (Atvs) Active	Aggregate	15	Gasoline	0.006494	0.006568	0.007152	0.08619	0.001798831	1.261909216	0.0001996	0.0001512	1.74531E-05	1.87863E-05	52962.72182	0	2198.991215	0
Kern	2027	Recreational Vehicles - All Terrain Vehicles (Atvs) Active	Aggregate	25	Gasoline	0.003750089	0.00378009	0.004130098	0.036050935	0.0006917	0.490607049	8.83011E-05	6.66008E-05	6.97071E-06	7.44565E-06	20899.01651	0	1019.123936	0
Kern	2027	Recreational Vehicles - All Terrain Vehicles (Atvs) Active	Aggregate	50	Gasoline	0.031	0.03134	0.03423	0.611396328	0.01355107	10.68065521	0.0013434	0.0010147	0.000130215	0.000155611	438238.9628	0	15565.73547	0
Kern	2027	Recreational Vehicles - Golf Carts	Aggregate	15	Gasoline	0.0049976	0.0050468	0.0054828	0.140327646	0.003980048	1.708521818	0.00037948	0.000287518	1.43298E-05	2.55752E-05	72602.66179	0	2535.195538	0
Kern	2027	Recreational Vehicles - Golf Carts	Aggregate	25	Gasoline	0.00147752	0.00149198	0.00162746	0.04156268	0.001180014	0.506298444	0.000112839	8.5251E-05	4.2526E-06	7.55114E-06	21511.89981	0	422.5325895	0
Kern	2027	Recreational Vehicles - Golf Carts	Aggregate	5	Gasoline	0.000114854	0.000116074	0.00012646	0.003265256	9.22008E-05	0.018089952	8.7647E-06	6.63314E-06	4.55284E-07	3.1145E-07	880.7909192	0	60.36188853	0
Kern	2027	Recreational Vehicles - Off-Road Motorcycles Active	Aggregate	120	Gasoline	0.160305235	0.161835517	0.176084905	0.851266626	0.006033883	6.470563651	0.002340556	0.001763927	0.000105619	0.000110914	312039.1701	0	2038.12424	0
Kern	2027	Recreational Vehicles - Off-Road Motorcycles Active	Aggregate	15	Gasoline	0.014585	0.01474	0.016055	0.17379971	0.00216063	1.238048347	0.00037506	0.00028318	3.41568E-05	2.09193E-05	58260.05505	0	569.2986673	0
Kern	2027	Recreational Vehicles - Off-Road Motorcycles Active	Aggregate	25	Gasoline	0.044102755	0.044540142	0.048577323	0.104014606	0.000504546	0.486124208	0.000534163	0.000403318	1.55822E-05	1.07408E-05	29983.8272	0	256.8135944	0
Kern	2027	Recreational Vehicles - Off-Road Motorcycles Active	Aggregate	5	Gasoline	0.046416809	0.046940707	0.051147519	0.319278714	0.00145033	1.733660672	0.001334869	0.001008331	4.51299E-05	3.20993E-05	89445.63068	0	874.8788188	0
Kern	2027	Recreational Vehicles - Off-Road Motorcycles Active	Aggregate	50	Gasoline	0.21145989	0.21344602	0.232842728	0.683165495	0.005485362	4.938268434	0.002662439	0.002010265	0.00011329	8.98629E-05	251719.0282	0	1845.879234	0
Kern	2027	Recreational Vehicles - Snowmobiles Active	Aggregate	120	Gasoline	0.007357	0.0074384	0.0080888	0.026688	0.00035844	0.08994	0.000245948	0.000185852	1.7202E-08	2.0678E-06	5876.893103	0	50.5140194	0
Kern	2027	Recreational Vehicles - Snowmobiles Active	Aggregate	25	Gasoline	0.0018867	0.001905	0.00207604	0.0068514	0.00009164	0.023076	0.000063064	4.7586E-05	2.1204E-08	0.000000538	1506.895667	0	42.09501618	0
Kern	2027	Recreational Vehicles - Snowmobiles Active	Aggregate	50	Gasoline	0.0278938	0.0281792	0.0306856	0.101454578	0.0013594	0.3418	0.00093442	0.00070636	1.5714E-07	0.000007899	22332.19378	0	328.3411262	0
Kern	2027	Transport Refridgeration Unit - Misc - Transport Refrigeration Unit (O	Aggregate	15	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	112.5164596	0
Kern	2027	Transport Refrigeration Unit - Instate Genset	Aggregate	25	Diesel	0.001940023	0.002347429	0.002793633	0.027499077	0.020666284	3.651633526	0.000490921	0.000408799	3.32215E-05	2.97716E-05	118345.7094	146389.2566	146.3892566	81093803.55
Kern	2027	Transport Refrigeration Unit - Instate Genset	Aggregate	50	Diesel	0.009094998	0.011004952	0.013096801	0.113666604	0.085474583	12.72828735	0.002333297	0.002146633	0.000115728	0.000103773	412510.7806	448240.3125	448.2403125	1037794076
Kern	2027	Transport Refrigeration Unit - Instate Trailer	Aggregate	25	Diesel	0.028234856	0.034164179	0.040658196	0.316457903	0.183328133	32.07553967	0.006213671	0.005223008	0.000291478	0.00026151	1039535.45	2030355.765	922.4696797	2644706696
Kern	2027	Transport Refrigeration Unit - Instate Trailer	Aggregate	50	Diesel	0.139330668	0.168590112	0.200636166	1.476529265	1.041327255	148.3871593	0.031708391	0.023707571	0.001348167	0.001209792	4809076.135	7954393.485	3613.990679	33784110851
Kern	2027	Transport Refrigeration Unit - Instate Truck	Aggregate	23	Diesel	0.016526123	0.019996614	0.023797619	0.196561256	0.134200779	23.26342033	0.0046454	0.004232177	0.000211519	0.000189665	753943.6703	1362136.439	1001.570911	1307256224
Kern	2027	Transport Refrigeration Unit - Out-of-State Genset	Aggregate	25	Diesel	0.002256124	0.00272991	0.003248817	0.030306265	0.021294429	3.76262395	0.00073402	0.000675298	3.42235E-05	3.06765E-05	121942.7957	953278.5225	953.2785225	753954814.8
Kern	2027	Transport Refrigeration Unit - Out-of-State Genset	Aggregate	50	Diesel	0.003323681	0.004021654	0.004786102	0.042585983	0.03397561	5.134028053	0.000911065	0.000838179	4.669E-05	4.18575E-05	166388.6006	1137942.569	1137.942569	758900044.4
Kern	2027	Transport Refrigeration Unit - Out-of-State Shipping Container	Aggregate	25	Diesel	0.004223512	0.005110449	0.006081858	0.051677922	0.031594773	5.58232593	0.00088861	0.000817521	5.07486E-05	4.55124E-05	180917.4765	1721797.737	1014.612691	1539747585
Kern	2027	Transport Refrigeration Unit - Out-of-State Shipping Container	Aggregate	50	Diesel	6.08319E-05	7.36067E-05	8.7598E-05	0.000730629	0.000529053	0.077721932	1.34179E-05	1.23445E-05	7.06504E-07	6.33662E-07	2518.888384	20207.38775	11.9077123	300404.1794
Kern	2027	Transport Refrigeration Unit - Out-of-State Trailer	Aggregate	25	Diesel	0.029938602	0.036225701	0.043111584	0.363864809	0.221903547	39.16831501	0.005848819	0.005343226	0.000356068	0.000319337	1269405.047	15668954.96	7119.01634	31706198428
Kern	2027	Transport Refrigeration Unit - Out-of-State Trailer	Aggregate	50	Diesel	0.033074042	0.040019588	0.047626616	0.383318399	0.26565536	39.68527967	0.006105926	0.005371369	0.000360685	0.000323552	1286159.343	13729914.25	6238.034642	20437033072
Kern	2027	Transport Refrigeration Unit - Railcar TRU	Aggregate	25	Diesel	0.0013974	0.001690855	0.002012257	0.016480679	0.00944022	1.668042248	0.000301813	0.000277668	1.516E-05	1.35995E-05	54059.54401	514486.5072	303.1741351	162718077.7
Kern	2027	Transport Refrigeration Unit - Railcar TRU	Aggregate	50	Diesel	0.001132133	0.001369882	0.001630271	0.014040228	0.009815138	1.556742667	0.000173606	0.000159718	1.41536E-05	1.2692E-05	50452.43829	422270.2536	248.8333845	38317437.38

Construction Worker Trips Fuel Usage Worksheet

Note: Per CalEEMod v2022 methodology, worker vehicles are "LD_Mix", which is 25% LDA, 50% LDT1, and 25% LDT2

Activity[1]	Daily trips[1,2]	Trip miles[2]	Trip days[1]	Annual VMT	
2026					
P1 Site Preparation	12	11.04	5	662	
P1 Rough Grading	20	11.04	10	2,208	
P1 Fine Grading	12	11.04	15	1,987	
P1 Building Construction	120	11.04	196	259,661	
P1 Paving	32	11.04	10	3,533	
P1 Architectural Coating	21	11.04	55	12,751	
P1 Utility Trenching	36	11.04	45	17,885	
P1 Finishing/Landscaping	40	11.04	65	28,704	
Left Turn Lane Demolition	8	11.04	5	442	
Left Turn Lane Site Preparation	8	11.04	5	442	
Left Turn Lane Rough Grading	8	11.04	10	883	
Left Turn Lane Fine Grading	8	11.04	5	442	
Left Turn Lane Paving	12	11.04	5	662	
Left Turn Lane Architectural Coating	8	11.04	1	88	
Traffic Signal Utility Trenching	12	17.3	20	4,152	
Traffic Signal Installation	4	17.3	20	1,384	**5,536**
2027					
P2 Site Preparation	12	11.04	5	662	
P2 Rough Grading	20	11.04	10	2,208	
P2 Fine Grading	10	11.04	10	1,104	
P2 Building Construction	120	11.04	135	178,848	
P2 Paving	32	11.04	5	1,766	
P2 Architectural Coating	6	11.04	20	1,325	
P2 Utility Trenching	24	11.04	20	5,299	
P2 Finishing/Landscaping	30	11.04	35	11,592	**202,805**

[1] *Based on information provided.*

[2] *Based on CalEEMod defaults.*

Year	LDA VMT	LDT1 VMT	LDT2 VMT	Gasoline[1]						Diesel[1]						Electricity[1]					
				LDA mpg	LDA gallons	LDT1 mpg	LDT1 gallons	LDT2 mpg	LDT2 gallons	LDA mpg	LDA gallons	LDT1 mpg	LDT1 gallons	LDT2 mpg	LDT2 gallons	LDA m/kWh	LDA kWh	LDT1 m/kWh	LDT1 kWh	LDT2 m/kWh	LDT2 kWh
2026	83,971	167,943	83,971	30.77	2,494	25.46	6,556	25.29	3,261	44.93	4	24.52	1	35.31	8	2.71	2,605	2.80	355	2.88	424
2027	50,701	101,402	50,701	31.39	1,465	25.96	3,875	25.85	1,922	45.56	2	25.23	0	36.03	5	2.71	1,710	2.80	283	2.87	297

[1] *EMFAC2021 v1.0.2.*

Year	VMT from gasoline			VMT from diesel			VMT from electricity		
	LDA	LDT1	LDT2	LDA	LDT1	LDT2	LDA	LDT1	LDT2
2026	91.38%	99.39%	98.21%	0.19%	0.01%	0.33%	8.42%	0.59%	1.45%
2027	90.68%	99.21%	97.98%	0.17%	0.01%	0.34%	9.15%	0.78%	1.68%

	Gasoline		Diesel		Electricity	
	VMT	Gallons	VMT	Gallons	VMT	kWh
2026	326,134	12,311	464	12	9,288	3,385
2027	196,259	7,261	266	7	6,280	2,290
	522,393	**19,572**	**729**	**19**	**15,568**	**5,675**

	Phase 1	Phase 2	Left Turn	Signal			Total
	VMT						
2026	327,391		2,959	5,536			335,886
2027		202,805					202,805

	Phase 1	Phase 2	Left Turn	Signal			Total
	Percent VMT						
2026	97%		1%	2%			100%
2027		100%					100%

	Gasoline		Diesel		Electricity	
	VMT	Gallons	VMT	Gallons	VMT	kWh
Phase 1	317,886	12,000	452	12	9,053	3,299
Phase 2	196,259	7,261	266	7	6,280	2,290
Left Turn	2,873	108	4	0	82	30
Traffic Signal	5,375	203	8	0	153	56
Total	**522,393**	**19,572**	**729**	**19**	**15,568**	**5,675**

Vendor Trips Fuel Usage Worksheet

Note: Based on CalEEMod methodology, vendor vehicles are 50% HHDT (T7) and 50% MHDT (T6).

Activity[1]	Daily trips[1,2]	Trip miles[2]	Trip days[1]	Annual VMT	
2026					
P1 Site Preparation	2	7.37	5	74	
P1 Rough Grading	10	7.37	10	737	
P1 Fine Grading	2	7.37	15	221	
P1 Building Construction	52	7.37	45	17,246	
P1 Paving	24	7.37	196	34,668	
P1 Architectural Coating	0	7.37	10	0	
P1 Utility Trenching	2	7.37	55	811	
P1 Finishing/Landscaping	2	7.37	65	958	
Left Turn Lane Demolition	0	7.37	5	0	
Left Turn Lane Site Preparation	2	7.37	5	74	
Left Turn Lane Rough Grading	2	7.37	10	147	
Left Turn Lane Fine Grading	2	7.37	5	74	
Left Turn Lane Paving	8	7.37	5	295	
Left Turn Lane Architectural Coating	0	7.37	1	0	
Traffic Signal Utility Trenching	2	10.6	20	424	
Traffic Signal Installation	2	10.6	20	424	848
2027					
P2 Site Preparation	2	7.37	5	74	
P2 Rough Grading	10	7.37	10	737	
P2 Fine Grading	2	7.37	10	147	
P2 Building Construction	15	7.37	135	14,924	
P2 Paving	16	7.37	5	590	
P2 Architectural Coating	0	7.37	20	0	
P2 Utility Trenching	2	7.37	20	295	
P2 Finishing/Landscaping	2	7.37	35	516	17,283

[1] *Based on information provided.*

[2] *Based on CalEEMod defaults.*

Year	HHDT (T7) VMT	MHDT (T6) VMT	Gasoline[1]				Diesel[1]			
			HHDT (T7) mpg	HHDT (T7) gallons	MHDT (T6) mpg	MHDT (T6) gallons	HHDT (T7) mpg	HHDT (T7) gallons	MHDT (T6) mpg	MHDT (T6) gallons
2026	28,076	28,076	3.91	0	4.80	752	6.31	4,395	8.88	2,709
2027	8,641	8,641	4.01	0	4.85	220	6.43	1,328	8.94	832

[1] *EMFAC2021 v1.0.2.*

Year	VMT from gasoline		VMT from diesel	
	HHDT (T7)	MHDT (T6)	HHDT (T7)	MHDT (T6)
2026	0.00%	12.85%	98.80%	85.66%
2027	0.00%	12.35%	98.79%	86.13%

VENDOR

Gasoline		Diesel	
VMT	Gallons	VMT	Gallons
3,608.76	751.77	51,789	7,104
1,067.19	220.08	15,980	2,160
4,675.94	**971.85**	**67,769**	**9,264**

Year	Phase 1	Phase 2	Left Turn	Signal			Total
	VMT						
2026	54,715		590	848			56,152
2027		17,283					17,283

	Phase 1	Phase 2	Left Turn	Signal			Total
	Percent VMT						
2026	97%		1%	2%			100%
2027		100%					100%

	Gasoline		Diesel	
	VMT	Gallons	VMT	Gallons
Phase 1	3,516	733	50,463	6,922
Phase 2	1,067	220	15,980	2,160
Left Turn	38	8	544	75
Traffic Signal	54	11	782	107
Total	**4,676**	**972**	**67,769**	**9,264**

Truck Haul Trips Fuel Usage Worksheet

Note: Hauling vehicles are HHDT (T7)

Activity	Daily Trips[1]	Mi/Trip[2]	Number of Workdays	Annual VMT
2026				
P1 Site Preparation Onsite Truck	1	0.4125	5	2
P1 Rough Grading Onsite Truck	1	1.65	10	17
P1 Fine Grading Onsite Truck	1	0.4125	15	6
Left Turn Lane Demolition Haul	29	20	5	2,900
Left Turn Lane Site Preparation Onsite Truck				0
Left Turn Lane Rough Grading Onsite Truck				0
Left Turn Lane Fine Grading Onsite Truck				0
2027				
P2 Site Preparation Onsite Truck	1	0.4125	5	2
P2 Rough Grading Onsite Truck	1	1.65	10	17
P2 Fine Grading Onsite Truck	1	0.4125	10	4

[1] *Based on information provided.*

[2] *Based on CalEEMod defaults.*

Year	VMT	Gasoline[1]		Diesel[1]	
		HHDT (T7) mpg	HHDT (T7) gallons	HHDT (T7) mpg	HHDT (T7) gallons
2023	0	3.32	0	6.01	0
2024	0	3.46	0	6.10	0
2025	0	3.78	0	6.20	0
2026	2,925	3.91	0	6.31	463
2027	23	4.01	0	6.43	4

[1] *EMFAC2021 v1.0.2.*

Gasoline		Diesel	
VMT	Gallons	VMT	Gallons
0.000	0.000	0	0
0.000	0.000	0	0
0.000	0.000	0	0
0.000	0.000	2,925	463
0.000	0.000	23	4
0	**0**	**2,947**	**467**

Year	VMT from gasoline	VMT from diesel
2026	0.00%	98.55%
2027	0.00%	98.05%

Year	Phase 1	Phase 2	Left Turn	Signal	Total
	VMT				
2026	25		2,900		2,925
2027		23			23

	Phase 1	Phase 2	Left Turn	Signal	Total
	Percent VMT				
2026	1%		99%	0%	100%
2027		100%			100%

	Gasoline		Diesel	
	VMT	Gallons	VMT	Gallons
Phase 1	0	0	25	4
Phase 2	0	0	23	4
Left Turn Lane	0	0	2,900	460
Total	**0**	**0**	**2,947**	**467**

EMFAC Fuel Usage: Year 2026

Vehicle type	GAS			DSL			NG			ELEC		
	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day	kWh/day	Miles/kWh
All other buses	0	0	0.00	5,555	632	8.79	155	20	7.70	0	0	0.00
LDA	13,173,519	428,159	30.77	27,977	623	44.93	0	0	0.00	1,214,005	447,286	2.71
LDT1	1,091,038	42,852	25.46	144	6	24.52	0	0	0.00	6,501	2,321	2.80
LDT2	7,028,878	277,933	25.29	23,759	673	35.31	0	0	0.00	104,097	36,153	2.88
LHD1	584,750	59,701	9.79	513,532	32,622	15.74	0	0	0.00	13,944	9,090	1.53
LHD2	97,556	11,400	8.56	232,640	17,894	13.00	0	0	0.00	3,353	2,154	1.56
MCY	107,523	2,573	41.79	0	0	0.00	0	0	0.00	0	0	0.00
MDV	5,450,058	271,164	20.10	86,095	3,431	25.09	0	0	0.00	92,655	33,113	2.80
MH	21,665	4,910	4.41	10,635	1,129	9.42	0	0	0.00	0	0	0.00
Motor coach	0	0	0.00	5,780	1,031	5.61	0	0	0.00	0	0	0.00
OBUS	18,868	3,890	4.85	0	0	0.00	0	0	0.00	268	297	0.90
PTO	0	0	0.00	24,871	4,947	5.03	0	0	0.00	426	882	0.48
SBUS	11,730	1,181	9.94	23,165	2,834	8.17	4,488	775	5.79	341	359	0.95
T6	75,911	15,813	4.80	506,007	56,989	8.88	4,411	619	7.13	10,599	11,508	0.92
T7	156	40	3.91	4,719,189	747,750	6.31	28,515	5,543	5.14	40,732	74,379	0.55
UBUS	4,205	723	5.81	3,570	360	9.91	16,798	2,542	6.61	2,055	3,583	0.57
Total	**27,665,857**	**1,120,338**	**24.69**	**6,182,921**	**870,921**	**7.10**	**54,368**	**9,499**	**5.72**	**1,488,975**	**621,123**	**2.40**

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: County
Region: Kern
Calendar Year: 2026
Season: Annual
Vehicle Classification: EMFAC202x Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips	Fuel Consumptio	Energy Consumpt
Kern	2026	All Other Buses	Aggregate	Aggregate	Diesel	112.7172919	5554.669122	5554.669122	0	1003.183898	0.631771063	0
Kern	2026	All Other Buses	Aggregate	Aggregate	Natural Gas	3.14733321	155.1327672	155.1327672	0	28.01126557	0.020139483	0
Kern	2026	LDA	Aggregate	Aggregate	Gasoline	333290.6453	12945801.59	12945801.59	0	1547092.081	420.7039169	0
Kern	2026	LDA	Aggregate	Aggregate	Diesel	888.1247482	27977.48841	27977.48841	0	3792.254536	0.622755933	0
Kern	2026	LDA	Aggregate	Aggregate	Electricity	19843.46619	959161.7089	0	959161.7089	98879.77623	0	370315.5835
Kern	2026	LDA	Aggregate	Aggregate	Plug-in Hybrid	10718.96949	482560.9091	227717.889	254843.0201	44322.93883	7.454937038	76970.18762
Kern	2026	LDT1	Aggregate	Aggregate	Gasoline	32517.73003	1089355.463	1089355.463	0	140668.7007	42.79665564	0
Kern	2026	LDT1	Aggregate	Aggregate	Diesel	11.12335691	144.249419	144.249419	0	30.93641028	0.005882612	0
Kern	2026	LDT1	Aggregate	Aggregate	Electricity	86.34652178	4246.96877	0	4246.96877	431.6622396	0	1639.680467
Kern	2026	LDT1	Aggregate	Aggregate	Plug-in Hybrid	77.52790973	3936.392354	1682.081096	2254.311258	320.5779068	0.055257988	680.8691893
Kern	2026	LDT2	Aggregate	Aggregate	Gasoline	175816.6991	6989820.536	6989820.536	0	819971.8092	276.6455627	0
Kern	2026	LDT2	Aggregate	Aggregate	Diesel	562.4466418	23758.62669	23758.62669	0	2687.951248	0.672950945	0
Kern	2026	LDT2	Aggregate	Aggregate	Electricity	1593.497413	56063.63045	0	56063.63045	8067.902424	0	21645.18854
Kern	2026	LDT2	Aggregate	Aggregate	Plug-in Hybrid	1807.678199	87090.23841	39057.17091	48033.06751	7474.749353	1.28768942	14507.418
Kern	2026	LHD1	Aggregate	Aggregate	Gasoline	16132.33559	584749.99	584749.99	0	240347.7631	59.70083935	0
Kern	2026	LHD1	Aggregate	Aggregate	Diesel	14590.69393	513532.1486	513532.1486	0	183532.5746	32.62233912	0
Kern	2026	LHD1	Aggregate	Aggregate	Electricity	210.2024775	13943.65883	0	13943.65883	2943.647805	0	9089.747183
Kern	2026	LHD2	Aggregate	Aggregate	Gasoline	2882.71862	97555.57137	97555.57137	0	42948.21219	11.40012934	0
Kern	2026	LHD2	Aggregate	Aggregate	Diesel	6567.425505	232640.4513	232640.4513	0	82609.95103	17.89393194	0
Kern	2026	LHD2	Aggregate	Aggregate	Electricity	53.031944	3353.467446	0	3353.467446	703.4869641	0	2153.74033
Kern	2026	MCY	Aggregate	Aggregate	Gasoline	19251.21373	107523.3866	107523.3866	0	38502.42747	2.572845099	0
Kern	2026	MDV	Aggregate	Aggregate	Gasoline	151407.3731	5422948.335	5422948.335	0	685454.5582	270.2584053	0
Kern	2026	MDV	Aggregate	Aggregate	Diesel	2382.907182	86095.21332	86095.21332	0	10891.77079	3.431118344	0
Kern	2026	MDV	Aggregate	Aggregate	Electricity	1738.412218	61019.19148	0	61019.19148	8795.071855	0	23558.4441
Kern	2026	MDV	Aggregate	Aggregate	Plug-in Hybrid	1276.027086	58745.41769	27109.45218	31635.96551	5276.372	0.905335441	9555.004487
Kern	2026	MH	Aggregate	Aggregate	Gasoline	2500.49244	21665.18898	21665.18898	0	250.1492637	4.910461681	0
Kern	2026	MH	Aggregate	Aggregate	Diesel	1256.806933	10635.2518	10635.2518	0	125.6806933	1.129407059	0
Kern	2026	Motor Coach	Aggregate	Aggregate	Diesel	44.78159809	5779.964416	5779.964416	0	1029.081124	1.030828232	0
Kern	2026	OBUS	Aggregate	Aggregate	Gasoline	351.1039309	18868.00085	18868.00085	0	7024.88745	3.889704217	0
Kern	2026	OBUS	Aggregate	Aggregate	Electricity	2.467127494	267.5281174	0	267.5281174	49.36228689	0	296.5647129
Kern	2026	PTO	Aggregate	Aggregate	Diesel	0	24870.96173	24870.96173	0	0	4.947399315	0
Kern	2026	PTO	Aggregate	Aggregate	Electricity	0	425.800645	0	425.800645	0	0	882.0540275
Kern	2026	SBUS	Aggregate	Aggregate	Gasoline	175.9590703	11730.33909	11730.33909	0	703.8362812	1.180537214	0
Kern	2026	SBUS	Aggregate	Aggregate	Diesel	1047.630315	23165.32942	23165.32942	0	15169.68695	2.833801696	0
Kern	2026	SBUS	Aggregate	Aggregate	Electricity	11.94315877	340.5675562	0	340.5675562	160.5742936	0	358.7727959
Kern	2026	SBUS	Aggregate	Aggregate	Natural Gas	180.8861443	4488.273145	4488.273145	0	2619.231369	0.774847401	0
Kern	2026	T6 CAIRP Class 4	Aggregate	Aggregate	Diesel	25.72017393	1751.909111	1751.909111	0	591.0495969	0.192879331	0
Kern	2026	T6 CAIRP Class 4	Aggregate	Aggregate	Electricity	0.590666236	48.91561292	0	48.91561292	13.5735101	0	53.13622438
Kern	2026	T6 CAIRP Class 5	Aggregate	Aggregate	Diesel	33.82627634	2409.511569	2409.511569	0	777.3278303	0.26566822	0
Kern	2026	T6 CAIRP Class 5	Aggregate	Aggregate	Electricity	0.689378843	60.89612115	0	60.89612115	15.84192581	0	66.15045308
Kern	2026	T6 CAIRP Class 6	Aggregate	Aggregate	Diesel	118.082238	6232.983076	6232.983076	0	2713.529829	0.676484244	0
Kern	2026	T6 CAIRP Class 6	Aggregate	Aggregate	Electricity	3.756945653	222.2628966	0	222.2628966	86.33461111	0	241.4405226
Kern	2026	T6 CAIRP Class 7	Aggregate	Aggregate	Diesel	192.0751387	39743.29655	39743.29655	0	4413.886687	3.985343223	0
Kern	2026	T6 CAIRP Class 7	Aggregate	Aggregate	Electricity	3.414218989	747.2690223	0	747.2690223	78.45875237	0	811.7460269
Kern	2026	T6 Instate Delivery Class 4	Aggregate	Aggregate	Diesel	187.9040808	6344.089944	6344.089944	0	2681.391232	0.754719421	0
Kern	2026	T6 Instate Delivery Class 4	Aggregate	Aggregate	Electricity	3.349476727	134.6519551	0	134.6519551	47.79703289	0	143.8458665
Kern	2026	T6 Instate Delivery Class 5	Aggregate	Aggregate	Diesel	148.7956977	5057.356586	5057.356586	0	2123.314606	0.609318502	0
Kern	2026	T6 Instate Delivery Class 5	Aggregate	Aggregate	Electricity	2.395847273	95.90284741	0	95.90284741	34.18874058	0	102.4510055
Kern	2026	T6 Instate Delivery Class 6	Aggregate	Aggregate	Diesel	569.1729877	19313.56766	19313.56766	0	8122.098534	2.29724378	0
Kern	2026	T6 Instate Delivery Class 6	Aggregate	Aggregate	Electricity	9.761678233	393.2332341	0	393.2332341	139.2991484	0	420.0828372
Kern	2026	T6 Instate Delivery Class 7	Aggregate	Aggregate	Diesel	140.7096618	7369.667741	7369.667741	0	2007.926874	0.86101957	0
Kern	2026	T6 Instate Delivery Class 7	Aggregate	Aggregate	Electricity	1.344368239	66.43461936	0	66.43461936	19.18413478	0	70.97071398
Kern	2026	T6 Instate Delivery Class 7	Aggregate	Aggregate	Natural Gas	2.054338535	115.4538883	115.4538883	0	29.3154109	0.017202968	0
Kern	2026	T6 Instate Other Class 4	Aggregate	Aggregate	Diesel	935.2657722	38965.97846	38965.97846	0	10811.67233	4.474064297	0
Kern	2026	T6 Instate Other Class 4	Aggregate	Aggregate	Electricity	16.55109013	774.1600851	0	774.1600851	191.3306018	0	820.6724642
Kern	2026	T6 Instate Other Class 5	Aggregate	Aggregate	Diesel	2776.72665	119043.5294	119043.5294	0	32098.96007	13.64703462	0
Kern	2026	T6 Instate Other Class 5	Aggregate	Aggregate	Electricity	48.11938299	2300.69925	0	2300.69925	556.2600673	0	2438.927761
Kern	2026	T6 Instate Other Class 6	Aggregate	Aggregate	Diesel	2130.130877	90426.98806	90426.98806	0	24624.31293	10.3947162	0
Kern	2026	T6 Instate Other Class 6	Aggregate	Aggregate	Electricity	37.67991532	1761.99195	0	1761.99195	435.5798211	0	1867.854341
Kern	2026	T6 Instate Other Class 7	Aggregate	Aggregate	Diesel	1639.015649	72591.60972	72591.60972	0	18947.0209	8.174366976	0
Kern	2026	T6 Instate Other Class 7	Aggregate	Aggregate	Electricity	20.12419965	1369.760965	0	1369.760965	232.635748	0	1452.057693
Kern	2026	T6 Instate Other Class 7	Aggregate	Aggregate	Natural Gas	24.29371928	1330.257831	1330.257831	0	280.8353948	0.174407209	0
Kern	2026	T6 Instate Tractor Class 6	Aggregate	Aggregate	Diesel	35.141947	1734.532894	1734.532894	0	406.2409074	0.196157649	0
Kern	2026	T6 Instate Tractor Class 6	Aggregate	Aggregate	Electricity	0.730899012	49.05013945	0	49.05013945	8.449192579	0	51.99712513
Kern	2026	T6 Instate Tractor Class 7	Aggregate	Aggregate	Diesel	504.0373666	29186.80533	29186.80533	0	5826.671957	3.077740662	0
Kern	2026	T6 Instate Tractor Class 7	Aggregate	Aggregate	Electricity	4.034297938	328.2303403	0	328.2303403	46.63648417	0	347.9507758
Kern	2026	T6 Instate Tractor Class 7	Aggregate	Aggregate	Natural Gas	6.150830461	436.8999421	436.8999421	0	71.10360013	0.055190188	0
Kern	2026	T6 OOS Class 4	Aggregate	Aggregate	Diesel	15.07391127	1020.916566	1020.916566	0	346.398481	0.110219654	0
Kern	2026	T6 OOS Class 5	Aggregate	Aggregate	Diesel	19.71971923	1400.513944	1400.513944	0	453.159148	0.151680442	0
Kern	2026	T6 OOS Class 6	Aggregate	Aggregate	Diesel	69.55417713	3659.583004	3659.583004	0	1598.35499	0.387594474	0
Kern	2026	T6 OOS Class 7	Aggregate	Aggregate	Diesel	102.2895387	26609.71909	26609.71909	0	2350.613598	2.639179309	0
Kern	2026	T6 Public Class 4	Aggregate	Aggregate	Diesel	98.31654619	3384.819316	3384.819316	0	504.3638819	0.438461245	0
Kern	2026	T6 Public Class 4	Aggregate	Aggregate	Electricity	1.712700478	72.38281816	0	72.38281816	8.786153454	0	85.4769103
Kern	2026	T6 Public Class 4	Aggregate	Aggregate	Natural Gas	6.490812545	269.7000075	269.7000075	0	33.29786836	0.040175346	0
Kern	2026	T6 Public Class 5	Aggregate	Aggregate	Diesel	124.4982661	4479.29807	4479.29807	0	638.6761053	0.576406956	0
Kern	2026	T6 Public Class 5	Aggregate	Aggregate	Electricity	1.990631152	85.16357731	0	85.16357731	10.21193781	0	100.5697159
Kern	2026	T6 Public Class 5	Aggregate	Aggregate	Natural Gas	12.87725359	518.2936552	518.2936552	0	66.06031091	0.077915466	0
Kern	2026	T6 Public Class 6	Aggregate	Aggregate	Diesel	118.6541257	4212.547999	4212.547999	0	608.6956649	0.540763377	0
Kern	2026	T6 Public Class 6	Aggregate	Aggregate	Electricity	2.259518508	91.7337717	0	91.7337717	11.59132995	0	108.3284621
Kern	2026	T6 Public Class 6	Aggregate	Aggregate	Natural Gas	9.489285111	390.5756049	390.5756049	0	48.68003262	0.058623643	0
Kern	2026	T6 Public Class 7	Aggregate	Aggregate	Diesel	309.8103269	14096.56002	14096.56002	0	1589.326977	1.759879447	0
Kern	2026	T6 Public Class 7	Aggregate	Aggregate	Electricity	5.646824303	349.8004302	0	349.8004302	28.96820867	0	413.079523
Kern	2026	T6 Public Class 7	Aggregate	Aggregate	Natural Gas	25.85001903	1333.022099	1333.022099	0	132.6105976	0.192734051	0
Kern	2026	T6 Utility Class 5	Aggregate	Aggregate	Diesel	118.9581026	4806.799407	4806.799407	0	1522.663713	0.537444405	0

Kern	2026 T6 Utility Class 5	Aggregate	Aggregate	Electricity	3.481627141	151.0637375	0	151.0637375	44.5648274	0	169.2009616
Kern	2026 T6 Utility Class 5	Aggregate	Aggregate	Natural Gas	0.282892351	10.93105094	10.93105094	0	3.621022089	0.001465725	0
Kern	2026 T6 Utility Class 6	Aggregate	Aggregate	Diesel	22.52863716	907.1761494	907.1761494	0	288.3665556	0.101139114	0
Kern	2026 T6 Utility Class 6	Aggregate	Aggregate	Electricity	0.664639485	28.83880679	0	28.83880679	8.507385409	0	32.30129164
Kern	2026 T6 Utility Class 6	Aggregate	Aggregate	Natural Gas	0.080137865	2.986565117	2.986565117	0	1.025764673	0.000406955	0
Kern	2026 T6 Utility Class 7	Aggregate	Aggregate	Diesel	25.31078724	1257.356079	1257.356079	0	323.9780766	0.139054856	0
Kern	2026 T6 Utility Class 7	Aggregate	Aggregate	Electricity	0.758487322	46.10012772	0	46.10012772	9.70863772	0	51.63506524
Kern	2026 T6 Utility Class 7	Aggregate	Aggregate	Natural Gas	0.065060196	3.006824257	3.006824257	0	0.832770507	0.000397131	0
Kern	2026 T6TS	Aggregate	Aggregate	Gasoline	1192.061268	75911.08691	75911.08691	0	23850.76184	15.81274179	0
Kern	2026 T6TS	Aggregate	Aggregate	Electricity	12.78998204	1420.00915	0	1420.00915	255.9019606	0	1657.710728
Kern	2026 T7 CAIRP Class 8	Aggregate	Aggregate	Diesel	6685.751647	1368540.927	1368540.927	0	153638.5728	217.1335455	0
Kern	2026 T7 CAIRP Class 8	Aggregate	Aggregate	Electricity	142.097351	28760.65493	0	28760.65493	3265.397127	0	52514.8298
Kern	2026 T7 NNOOS Class 8	Aggregate	Aggregate	Diesel	6041.113996	1652296.917	1652296.917	0	138824.7996	252.4502198	0
Kern	2026 T7 NOOS Class 8	Aggregate	Aggregate	Diesel	2571.822734	600247.822	600247.822	0	59100.48643	94.43183222	0
Kern	2026 T7 Other Port Class 8	Aggregate	Aggregate	Diesel	100.7598449	19208.19083	19208.19083	0	1648.431062	3.184436793	0
Kern	2026 T7 Other Port Class 8	Aggregate	Aggregate	Electricity	0.784966793	198.6133655	0	198.6133655	12.84205674	0	361.4698182
Kern	2026 T7 POAK Class 8	Aggregate	Aggregate	Diesel	442.9483204	44626.22973	44626.22973	0	7246.634522	7.568051954	0
Kern	2026 T7 POAK Class 8	Aggregate	Aggregate	Electricity	4.249502526	383.6508528	0	383.6508528	69.52186132	0	698.2319826
Kern	2026 T7 POLA Class 8	Aggregate	Aggregate	Diesel	696.2587913	88955.55769	88955.55769	0	11390.79383	15.30091297	0
Kern	2026 T7 POLA Class 8	Aggregate	Aggregate	Electricity	2.504245991	280.2132648	0	280.2132648	40.96946442	0	509.9789614
Kern	2026 T7 POLA Class 8	Aggregate	Aggregate	Natural Gas	1.005934612	125.4600384	125.4600384	0	16.45709025	0.021184226	0
Kern	2026 T7 Public Class 8	Aggregate	Aggregate	Diesel	381.8078613	16247.00442	16247.00442	0	1958.674328	3.070869927	0
Kern	2026 T7 Public Class 8	Aggregate	Aggregate	Electricity	5.287193498	321.8493465	0	321.8493465	27.12330264	0	631.6559152
Kern	2026 T7 Public Class 8	Aggregate	Aggregate	Natural Gas	28.3798887	1340.769293	1340.769293	0	145.588829	0.286838659	0
Kern	2026 T7 Single Concrete/Transit Mix Cl	Aggregate	Aggregate	Diesel	46.37865254	3113.993101	3113.993101	0	436.886907	0.514454808	0
Kern	2026 T7 Single Concrete/Transit Mix Cl	Aggregate	Aggregate	Electricity	1.391725521	112.877283	0	112.877283	13.11005441	0	205.7926895
Kern	2026 T7 Single Concrete/Transit Mix Cl	Aggregate	Aggregate	Natural Gas	1.62509994	108.9585107	108.9585107	0	15.30844144	0.018664336	0
Kern	2026 T7 Single Dump Class 8	Aggregate	Aggregate	Diesel	384.5056396	22665.82467	22665.82467	0	3622.043125	3.91825628	0
Kern	2026 T7 Single Dump Class 8	Aggregate	Aggregate	Electricity	4.572567822	371.1032835	0	371.1032835	43.07358889	0	676.5785002
Kern	2026 T7 Single Dump Class 8	Aggregate	Aggregate	Natural Gas	11.48769581	666.9539965	666.9539965	0	108.2140945	0.122175421	0
Kern	2026 T7 Single Other Class 8	Aggregate	Aggregate	Diesel	1710.079512	95661.92857	95661.92857	0	16108.949	16.11490644	0
Kern	2026 T7 Single Other Class 8	Aggregate	Aggregate	Electricity	22.23794234	1660.436592	0	1660.436592	209.4814169	0	3027.231903
Kern	2026 T7 Single Other Class 8	Aggregate	Aggregate	Natural Gas	54.78538987	3037.475732	3037.475732	0	516.0783726	0.544412154	0
Kern	2026 T7 SWCV Class 8	Aggregate	Aggregate	Diesel	260.3179716	16877.37741	16877.37741	0	1197.462669	6.475080994	0
Kern	2026 T7 SWCV Class 8	Aggregate	Aggregate	Electricity	5.198958892	327.3778165	0	327.3778165	23.9152109	0	609.1030274
Kern	2026 T7 SWCV Class 8	Aggregate	Aggregate	Natural Gas	156.2290506	10108.39168	10108.39168	0	718.6536328	2.135873099	0
Kern	2026 T7 Tractor Class 8	Aggregate	Aggregate	Diesel	10820.32385	786883.3847	786883.3847	0	157219.3055	126.9290017	0
Kern	2026 T7 Tractor Class 8	Aggregate	Aggregate	Electricity	101.0316359	8252.008097	0	8252.008097	1467.989669	0	15024.51201
Kern	2026 T7 Tractor Class 8	Aggregate	Aggregate	Natural Gas	182.4594759	13127.35199	13127.35199	0	2651.136185	2.413671318	0
Kern	2026 T7 Utility Class 8	Aggregate	Aggregate	Diesel	88.18367147	3864.057747	3864.057747	0	1128.750995	0.658104152	0
Kern	2026 T7 Utility Class 8	Aggregate	Aggregate	Electricity	0.944419924	59.36359992	0	59.36359992	12.08857502	0	111.769684
Kern	2026 T7IS	Aggregate	Aggregate	Gasoline	1.71291571	155.7622936	155.7622936	0	34.27201753	0.039887895	0
Kern	2026 T7IS	Aggregate	Aggregate	Electricity	0.011259873	3.937517441	0	3.937517441	0.225287533	0	7.911885875
Kern	2026 UBUS	Aggregate	Aggregate	Gasoline	55.58602201	4205.292805	4205.292805	0	222.344088	0.723486398	0
Kern	2026 UBUS	Aggregate	Aggregate	Diesel	33.32670253	3570.323735	3570.323735	0	133.3068101	0.360442873	0
Kern	2026 UBUS	Aggregate	Aggregate	Electricity	14.29923	2055.448611	0	2055.448611	57.19692001	0	3583.203239
Kern	2026 UBUS	Aggregate	Aggregate	Natural Gas	158.6155044	16798.36966	16798.36966	0	634.4620175	2.542316702	0

EMFAC Fuel Usage: Year 2027

Vehicle type	GAS			DSL			NG			ELEC		
	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day	kWh/day	Miles/kWh
All other buses	0	0	0.00	5,589	631	8.86	174	22	7.82	0	0	0.00
LDA	13,214,125	420,923	31.39	25,321	556	45.56	0	0	0.00	1,332,673	491,589	2.71
LDT1	1,078,223	41,527	25.96	72	3	25.23	0	0	0.00	8,491	3,033	2.80
LDT2	7,222,891	279,380	25.85	24,815	689	36.03	0	0	0.00	123,792	43,140	2.87
LHD1	574,211	57,761	9.94	494,859	31,174	15.87	0	0	0.00	23,333	15,194	1.54
LHD2	93,512	10,813	8.65	225,371	17,144	13.15	0	0	0.00	5,594	3,585	1.56
MCY	107,032	2,549	41.98	0	0	0.00	0	0	0.00	0	0	0.00
MDV	5,399,565	263,121	20.52	83,299	3,268	25.49	0	0	0.00	109,615	39,278	2.79
MH	20,557	4,658	4.41	10,392	1,104	9.41	0	0	0.00	0	0	0.00
Motor coach	0	0	0.00	5,813	1,026	5.67	0	0	0.00	0	0	0.00
OBUS	17,696	3,616	4.89	0	0	0.00	0	0	0.00	423	469	0.90
PTO	0	0	0.00	25,083	4,933	5.08	0	0	0.00	701	1,452	0.48
SBUS	11,559	1,157	9.99	22,918	2,793	8.20	4,577	788	5.81	547	576	0.95
T6	73,834	15,225	4.85	515,068	57,603	8.94	4,553	637	7.14	17,817	19,319	0.92
T7	155	39	4.01	4,805,372	747,513	6.43	29,239	5,633	5.19	66,207	120,893	0.55
UBUS	4,270	729	5.86	3,782	376	10.05	16,940	2,553	6.64	2,322	4,048	0.57
Total	**27,817,629**	**1,101,499**	**25.25**	**6,247,754**	**868,814**	**7.19**	**55,482**	**9,633**	**5.76**	**1,691,516**	**742,576**	**2.28**

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: County
Region: Kern
Calendar Year: 2027
Season: Annual
Vehicle Classification: EMFAC202x Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips	Fuel Consumptio	Energy Consumpt
Kern	2027	All Other Buses	Aggregate	Aggregate	Diesel	116.3286956	5588.533879	5588.533879	0	1035.325391	0.630512469	0
Kern	2027	All Other Buses	Aggregate	Aggregate	Natural Gas	3.607687415	174.3305155	174.3305155	0	32.108418	0.02229066	0
Kern	2027	LDA	Aggregate	Aggregate	Gasoline	333593.3636	12978574.68	12978574.68	0	1548510.791	413.1932807	0
Kern	2027	LDA	Aggregate	Aggregate	Diesel	807.6592787	25320.87435	25320.87435	0	3451.557576	0.555719214	0
Kern	2027	LDA	Aggregate	Aggregate	Electricity	22222.78789	1059831.314	0	1059831.314	110226.2676	0	409182.3599
Kern	2027	LDA	Aggregate	Aggregate	Plug-in Hybrid	11425.88421	508392.0025	235550.3209	272841.6816	47246.03119	7.73006958	82406.31982
Kern	2027	LDT1	Aggregate	Aggregate	Gasoline	31897.96796	1076094.639	1076094.639	0	138265.8016	41.45689026	0
Kern	2027	LDT1	Aggregate	Aggregate	Diesel	5.522617736	72.36844777	72.36844777	0	15.58871716	0.002868906	0
Kern	2027	LDT1	Aggregate	Aggregate	Electricity	113.0836813	5576.470978	0	5576.470978	565.8908701	0	2152.978049
Kern	2027	LDT1	Aggregate	Aggregate	Plug-in Hybrid	100.5428954	5042.97958	2128.596971	2914.382609	415.7448726	0.070080702	880.2304103
Kern	2027	LDT2	Aggregate	Aggregate	Gasoline	180712.5463	7179071.597	7179071.597	0	842356.1204	277.9314131	0
Kern	2027	LDT2	Aggregate	Aggregate	Diesel	591.2364642	24814.929	24814.929	0	2820.272087	0.688748725	0
Kern	2027	LDT2	Aggregate	Aggregate	Electricity	1972.704437	68417.53864	0	68417.53864	9939.626717	0	26414.81672
Kern	2027	LDT2	Aggregate	Aggregate	Plug-in Hybrid	2092.374292	99194.6325	43819.90216	55374.73034	8651.967698	1.448298563	16724.81899
Kern	2027	LHD1	Aggregate	Aggregate	Gasoline	15808.04784	574210.963	574210.963	0	235516.3588	57.76052636	0
Kern	2027	LHD1	Aggregate	Aggregate	Diesel	14181.71631	494859.3724	494859.3724	0	178388.1506	31.17439911	0
Kern	2027	LHD1	Aggregate	Aggregate	Electricity	361.6721403	23333.42222	0	23333.42222	5066.813711	0	15194.2442
Kern	2027	LHD2	Aggregate	Aggregate	Gasoline	2783.351121	93512.49978	93512.49978	0	41467.7845	10.81319202	0
Kern	2027	LHD2	Aggregate	Aggregate	Diesel	6439.047477	225370.7104	225370.7104	0	80995.11693	17.14425861	0
Kern	2027	LHD2	Aggregate	Aggregate	Electricity	90.81555786	5594.492218	0	5594.492218	1204.634699	0	3585.467631
Kern	2027	MCY	Aggregate	Aggregate	Gasoline	19198.99683	107031.606	107031.606	0	38397.99366	2.549384632	0
Kern	2027	MDV	Aggregate	Aggregate	Gasoline	150050.5824	5369653.829	5369653.829	0	678526.1354	262.1190036	0
Kern	2027	MDV	Aggregate	Aggregate	Diesel	2339.161124	83299.00656	83299.00656	0	10648.03781	3.268247002	0
Kern	2027	MDV	Aggregate	Aggregate	Electricity	2123.701313	73414.25509	0	73414.25509	10689.41842	0	28343.96167
Kern	2027	MDV	Aggregate	Aggregate	Plug-in Hybrid	1453.471283	66111.89024	29911.20919	36200.68105	6010.103754	1.001639402	10933.68463
Kern	2027	MH	Aggregate	Aggregate	Gasoline	2359.713174	20556.70041	20556.70041	0	236.0657059	4.658368429	0
Kern	2027	MH	Aggregate	Aggregate	Diesel	1234.276475	10392.08856	10392.08856	0	123.4276475	1.103934362	0
Kern	2027	Motor Coach	Aggregate	Aggregate	Diesel	46.50195408	5813.011069	5813.011069	0	1068.614905	1.025630774	0
Kern	2027	OBUS	Aggregate	Aggregate	Gasoline	336.5943334	17695.51916	17695.51916	0	6734.579422	3.616228288	0
Kern	2027	OBUS	Aggregate	Aggregate	Electricity	3.935530498	422.6513295	0	422.6513295	78.74209421	0	468.5244996
Kern	2027	PTO	Aggregate	Aggregate	Diesel	0	25082.56137	25082.56137	0	0	4.932880185	0
Kern	2027	PTO	Aggregate	Aggregate	Electricity	0	700.9770854	0	700.9770854	0	0	1452.087188
Kern	2027	SBUS	Aggregate	Aggregate	Gasoline	173.2969541	11558.60677	11558.60677	0	693.1878164	1.157351837	0
Kern	2027	SBUS	Aggregate	Aggregate	Diesel	1042.416539	22918.22224	22918.22224	0	15094.19148	2.793208505	0
Kern	2027	SBUS	Aggregate	Aggregate	Electricity	19.09730948	547.2122388	0	547.2122388	256.5577541	0	576.463792
Kern	2027	SBUS	Aggregate	Aggregate	Natural Gas	186.4059144	4576.555135	4576.555135	0	2699.15764	0.787930778	0
Kern	2027	T6 CAIRP Class 4	Aggregate	Aggregate	Diesel	26.00523229	1776.780559	1776.780559	0	597.600238	0.194170629	0
Kern	2027	T6 CAIRP Class 4	Aggregate	Aggregate	Electricity	0.974899026	80.87617029	0	80.87617029	22.40317963	0	87.85445126
Kern	2027	T6 CAIRP Class 5	Aggregate	Aggregate	Diesel	33.98394032	2446.123951	2446.123951	0	780.9509484	0.267883883	0
Kern	2027	T6 CAIRP Class 5	Aggregate	Aggregate	Electricity	1.146657349	102.2470312	0	102.2470312	26.35018589	0	111.0692654
Kern	2027	T6 CAIRP Class 6	Aggregate	Aggregate	Diesel	121.9409473	6307.021542	6307.021542	0	2802.202969	0.680038487	0
Kern	2027	T6 CAIRP Class 6	Aggregate	Aggregate	Electricity	6.065050547	351.9447441	0	351.9447441	139.3748616	0	382.3117769
Kern	2027	T6 CAIRP Class 7	Aggregate	Aggregate	Diesel	196.3421769	40511.25122	40511.25122	0	4511.943226	4.008358767	0
Kern	2027	T6 CAIRP Class 7	Aggregate	Aggregate	Electricity	5.680313346	1257.151126	0	1257.151126	130.5336007	0	1365.622555
Kern	2027	T6 Instate Delivery Class 4	Aggregate	Aggregate	Diesel	191.6173045	6459.182125	6459.182125	0	2734.378936	0.763247531	0
Kern	2027	T6 Instate Delivery Class 4	Aggregate	Aggregate	Electricity	5.607996392	224.0215921	0	224.0215921	80.02610852	0	239.3175801
Kern	2027	T6 Instate Delivery Class 5	Aggregate	Aggregate	Diesel	152.4731575	5151.91979	5151.91979	0	2175.791958	0.616412833	0
Kern	2027	T6 Instate Delivery Class 5	Aggregate	Aggregate	Electricity	4.118378804	163.9707237	0	163.9707237	58.76926553	0	175.1664937
Kern	2027	T6 Instate Delivery Class 6	Aggregate	Aggregate	Diesel	581.7235189	19669.65046	19669.65046	0	8301.194614	2.324969291	0
Kern	2027	T6 Instate Delivery Class 6	Aggregate	Aggregate	Electricity	16.46566481	659.0749384	0	659.0749384	234.9650368	0	704.0759681
Kern	2027	T6 Instate Delivery Class 7	Aggregate	Aggregate	Diesel	147.1654581	7549.482845	7549.482845	0	2100.051087	0.880389811	0
Kern	2027	T6 Instate Delivery Class 7	Aggregate	Aggregate	Electricity	2.458153851	121.3112248	0	121.3112248	35.07785545	0	129.5942435
Kern	2027	T6 Instate Delivery Class 7	Aggregate	Aggregate	Natural Gas	2.134497583	119.0808135	119.0808135	0	30.45928051	0.017669215	0
Kern	2027	T6 Instate Other Class 4	Aggregate	Aggregate	Diesel	957.5725943	39637.87273	39637.87273	0	11069.53919	4.525123623	0
Kern	2027	T6 Instate Other Class 4	Aggregate	Aggregate	Electricity	28.90722568	1356.419952	0	1356.419952	334.1675289	0	1437.915137
Kern	2027	T6 Instate Other Class 5	Aggregate	Aggregate	Diesel	2859.240642	121183.1549	121183.1549	0	33052.82183	13.81691025	0
Kern	2027	T6 Instate Other Class 5	Aggregate	Aggregate	Electricity	83.41489109	3990.56134	0	3990.56134	964.2761409	0	4230.318602
Kern	2027	T6 Instate Other Class 6	Aggregate	Aggregate	Diesel	2184.978956	92048.81474	92048.81474	0	25258.35673	10.51815148	0
Kern	2027	T6 Instate Other Class 6	Aggregate	Aggregate	Electricity	65.01365042	3049.545947	0	3049.545947	751.5577989	0	3232.765981
Kern	2027	T6 Instate Other Class 7	Aggregate	Aggregate	Diesel	1716.15979	74048.24533	74048.24533	0	19838.80717	8.314388459	0
Kern	2027	T6 Instate Other Class 7	Aggregate	Aggregate	Electricity	33.65899416	2267.258346	0	2267.258346	389.0979725	0	2403.477691
Kern	2027	T6 Instate Other Class 7	Aggregate	Aggregate	Natural Gas	25.35712156	1352.244067	1352.244067	0	293.1283253	0.176630144	0
Kern	2027	T6 Instate Tractor Class 6	Aggregate	Aggregate	Diesel	36.11861643	1758.033242	1758.033242	0	417.531206	0.197651014	0
Kern	2027	T6 Instate Tractor Class 6	Aggregate	Aggregate	Electricity	1.222856351	81.83766854	0	81.83766854	14.13621941	0	86.75456458
Kern	2027	T6 Instate Tractor Class 7	Aggregate	Aggregate	Diesel	528.2353948	29870.59798	29870.59798	0	6106.401164	3.130690981	0
Kern	2027	T6 Instate Tractor Class 7	Aggregate	Aggregate	Electricity	7.000808134	571.5807829	0	571.5807829	80.92934202	0	605.9219774
Kern	2027	T6 Instate Tractor Class 7	Aggregate	Aggregate	Natural Gas	6.53014192	455.0062992	455.0062992	0	75.4884406	0.057095226	0
Kern	2027	T6 OOS Class 4	Aggregate	Aggregate	Diesel	15.45543987	1053.135546	1053.135546	0	355.1660082	0.111895635	0
Kern	2027	T6 OOS Class 5	Aggregate	Aggregate	Diesel	20.06840089	1444.712591	1444.712591	0	461.1718524	0.154141043	0
Kern	2027	T6 OOS Class 6	Aggregate	Aggregate	Diesel	73.05281908	3775.075334	3775.075334	0	1678.753782	0.393488807	0
Kern	2027	T6 OOS Class 7	Aggregate	Aggregate	Diesel	104.746283	27449.49194	27449.49194	0	2407.069583	2.674111624	0
Kern	2027	T6 Public Class 4	Aggregate	Aggregate	Diesel	96.61230758	3371.208792	3371.208792	0	495.6211379	0.43278294	0
Kern	2027	T6 Public Class 4	Aggregate	Aggregate	Electricity	2.547239673	107.6695235	0	107.6695235	13.06733952	0	127.1470003
Kern	2027	T6 Public Class 4	Aggregate	Aggregate	Natural Gas	6.863205063	282.6587867	282.6587867	0	35.20824197	0.042066072	0
Kern	2027	T6 Public Class 5	Aggregate	Aggregate	Diesel	124.4085159	4462.948655	4462.948655	0	638.2156864	0.570280724	0
Kern	2027	T6 Public Class 5	Aggregate	Aggregate	Electricity	3.197159596	136.6884995	0	136.6884995	16.40142873	0	161.4155252
Kern	2027	T6 Public Class 5	Aggregate	Aggregate	Natural Gas	13.3409909	530.3533659	530.3533659	0	68.43928329	0.079694211	0
Kern	2027	T6 Public Class 6	Aggregate	Aggregate	Diesel	116.1862203	4181.44693	4181.44693	0	596.0353101	0.530529983	0
Kern	2027	T6 Public Class 6	Aggregate	Aggregate	Electricity	3.578248034	145.3747444	0	145.3747444	18.35641242	0	171.6731167
Kern	2027	T6 Public Class 6	Aggregate	Aggregate	Natural Gas	10.08410288	411.6660942	411.6660942	0	51.73144779	0.06168426	0
Kern	2027	T6 Public Class 7	Aggregate	Aggregate	Diesel	307.157067	14006.89829	14006.89829	0	1575.715754	1.73163012	0
Kern	2027	T6 Public Class 7	Aggregate	Aggregate	Electricity	8.715669301	533.3755359	0	533.3755359	44.71138351	0	629.8634676
Kern	2027	T6 Public Class 7	Aggregate	Aggregate	Natural Gas	27.46983498	1385.750159	1385.750159	0	140.9202535	0.200347855	0
Kern	2027	T6 Utility Class 5	Aggregate	Aggregate	Diesel	118.1807147	4762.885599	4762.885599	0	1512.713148	0.529699084	0

Kern	2027 T6 Utility Class 5	Aggregate	Aggregate	Electricity	5.576769298	241.6211821	0	241.6211821	71.38264701	0	270.6310398
Kern	2027 T6 Utility Class 5	Aggregate	Aggregate	Natural Gas	0.270914308	10.46356473	10.46356473	0	3.467703137	0.001392601	0
Kern	2027 T6 Utility Class 6	Aggregate	Aggregate	Diesel	22.36824221	898.9052767	898.9052767	0	286.3135003	0.099696069	0
Kern	2027 T6 Utility Class 6	Aggregate	Aggregate	Electricity	1.064400921	46.11777275	0	46.11777275	13.62433178	0	51.65482879
Kern	2027 T6 Utility Class 6	Aggregate	Aggregate	Natural Gas	0.073028498	2.704829579	2.704829579	0	0.934764776	0.000366101	0
Kern	2027 T6 Utility Class 7	Aggregate	Aggregate	Diesel	24.99503627	1243.351779	1243.351779	0	319.9364642	0.136738834	0
Kern	2027 T6 Utility Class 7	Aggregate	Aggregate	Electricity	1.203849956	72.37483905	0	72.37483905	15.40927944	0	81.06440743
Kern	2027 T6 Utility Class 7	Aggregate	Aggregate	Natural Gas	0.061395339	2.877675106	2.877675106	0	0.78586034	0.000377103	0
Kern	2027 T6TS	Aggregate	Aggregate	Gasoline	1158.423339	73833.74401	73833.74401	0	23177.73416	15.22520972	0
Kern	2027 T6TS	Aggregate	Aggregate	Electricity	20.52024479	2255.792584	0	2255.792584	410.5690578	0	2633.400344
Kern	2027 T7 CAIRP Class 8	Aggregate	Aggregate	Diesel	6763.811576	1383549.637	1383549.637	0	155432.39	215.8692595	0
Kern	2027 T7 CAIRP Class 8	Aggregate	Aggregate	Electricity	224.6681184	46516.57218	0	46516.57218	5162.873361	0	84935.82212
Kern	2027 T7 NNOOS Class 8	Aggregate	Aggregate	Diesel	6159.485467	1691040.804	1691040.804	0	141544.976	251.9953384	0
Kern	2027 T7 NOOS Class 8	Aggregate	Aggregate	Diesel	2637.467831	614322.7338	614322.7338	0	60609.01076	94.51509643	0
Kern	2027 T7 Other Port Class 8	Aggregate	Aggregate	Diesel	99.59163246	19750.36686	19750.36686	0	1629.319107	3.23538437	0
Kern	2027 T7 Other Port Class 8	Aggregate	Aggregate	Electricity	1.356531609	366.0458224	0	366.0458224	22.19285712	0	666.1914041
Kern	2027 T7 POAK Class 8	Aggregate	Aggregate	Diesel	439.2424182	45043.25525	45043.25525	0	7186.005962	7.570817573	0
Kern	2027 T7 POAK Class 8	Aggregate	Aggregate	Electricity	6.960609044	652.371436	0	652.371436	113.875564	0	1187.29464
Kern	2027 T7 POLA Class 8	Aggregate	Aggregate	Diesel	703.1330989	92244.46961	92244.46961	0	11503.2575	15.81746149	0
Kern	2027 T7 POLA Class 8	Aggregate	Aggregate	Electricity	4.200876211	493.4949939	0	493.4949939	68.72633481	0	898.1447205
Kern	2027 T7 POLA Class 8	Aggregate	Aggregate	Natural Gas	1.266279229	163.0434487	163.0434487	0	20.71632819	0.02751517	0
Kern	2027 T7 Public Class 8	Aggregate	Aggregate	Diesel	380.1315797	16187.5959	16187.5959	0	1950.075004	3.032553719	0
Kern	2027 T7 Public Class 8	Aggregate	Aggregate	Electricity	8.343474571	502.4224193	0	502.4224193	42.80202455	0	986.045479
Kern	2027 T7 Public Class 8	Aggregate	Aggregate	Natural Gas	29.66906074	1386.042997	1386.042997	0	152.2022816	0.294992108	0
Kern	2027 T7 Single Concrete/Transit Mix Cl	Aggregate	Aggregate	Diesel	45.77708244	3065.603537	3065.603537	0	431.2201166	0.501285409	0
Kern	2027 T7 Single Concrete/Transit Mix Cl	Aggregate	Aggregate	Electricity	2.168205551	174.7552929	0	174.7552929	20.42449629	0	318.6058416
Kern	2027 T7 Single Concrete/Transit Mix Cl	Aggregate	Aggregate	Natural Gas	1.606696662	107.5864824	107.5864824	0	15.13508256	0.018211787	0
Kern	2027 T7 Single Dump Class 8	Aggregate	Aggregate	Diesel	391.9226037	22475.49289	22475.49289	0	3691.910927	3.862677796	0
Kern	2027 T7 Single Dump Class 8	Aggregate	Aggregate	Electricity	7.978114229	646.0154312	0	646.0154312	75.15383603	0	1177.78573
Kern	2027 T7 Single Dump Class 8	Aggregate	Aggregate	Natural Gas	11.79216634	668.4710053	668.4710053	0	111.0822069	0.121492556	0
Kern	2027 T7 Single Other Class 8	Aggregate	Aggregate	Diesel	1767.038956	96910.59	96910.59	0	16645.50696	16.24034289	0
Kern	2027 T7 Single Other Class 8	Aggregate	Aggregate	Electricity	36.35680398	2709.489992	0	2709.489992	342.4810935	0	4939.817987
Kern	2027 T7 Single Other Class 8	Aggregate	Aggregate	Natural Gas	56.89346031	3093.048758	3093.048758	0	535.9363961	0.550536091	0
Kern	2027 T7 SWCV Class 8	Aggregate	Aggregate	Diesel	253.6863369	16449.28054	16449.28054	0	1166.95715	6.251800071	0
Kern	2027 T7 SWCV Class 8	Aggregate	Aggregate	Electricity	8.146233156	513.9977431	0	513.9977431	37.47267252	0	956.3188634
Kern	2027 T7 SWCV Class 8	Aggregate	Aggregate	Natural Gas	163.8179232	10603.696	10603.696	0	753.5624467	2.200403856	0
Kern	2027 T7 Tractor Class 8	Aggregate	Aggregate	Diesel	11295.19085	800471.6662	800471.6662	0	164119.1231	127.9673505	0
Kern	2027 T7 Tractor Class 8	Aggregate	Aggregate	Electricity	165.7745906	13526.6223	0	13526.6223	2408.704801	0	24628.05378
Kern	2027 T7 Tractor Class 8	Aggregate	Aggregate	Natural Gas	188.7080968	13217.00633	13217.00633	0	2741.928647	2.419554194	0
Kern	2027 T7 Utility Class 8	Aggregate	Aggregate	Diesel	89.12019599	3860.859269	3860.859269	0	1140.738509	0.653983651	0
Kern	2027 T7 Utility Class 8	Aggregate	Aggregate	Electricity	1.596648113	99.02333727	0	99.02333727	20.43709585	0	186.4409694
Kern	2027 T7IS	Aggregate	Aggregate	Gasoline	1.573555049	155.2767002	155.2767002	0	31.48368943	0.038731317	0
Kern	2027 T7IS	Aggregate	Aggregate	Electricity	0.018238149	6.250898032	0	6.250898032	0.364908878	0	12.56029473
Kern	2027 UBUS	Aggregate	Aggregate	Gasoline	56.42116005	4269.522934	4269.522934	0	225.6846402	0.729056887	0
Kern	2027 UBUS	Aggregate	Aggregate	Diesel	35.72838478	3781.987564	3781.987564	0	142.9135391	0.376461233	0
Kern	2027 UBUS	Aggregate	Aggregate	Electricity	16.79221843	2322.314232	0	2322.314232	67.16887374	0	4048.370513
Kern	2027 UBUS	Aggregate	Aggregate	Natural Gas	159.6118325	16939.69885	16939.69885	0	638.4473301	2.552767478	0

Appendix D. Ambient Air Quality Analysis & Construction Health Risk Assessment

Appendix

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1. Introduction

The Riverview Market project (proposed project) is a proposed retail and commercial development project in the City of Bakersfield, Kern County, California. The approximately 46-acre project site is an undeveloped L-shaped property that is generally situated along the south side of Rosedale Highway, north of the railroad tracks, west of Coffee Road, and east of El Toro Viejo Road in the City of Bakersfield. The project site comprises Parcel 2 of Tentative Parcel Map No. 12264. The project site currently is undeveloped and highly disturbed. The project site is bounded by The Promenade, a commercial retail center to the north across Rosedale Highway; a Pacific Gas & Electric (PG&E) electric substation and vacant land to the south; commercial retail and a PG&E electric substation to the west; and commercial retail uses and vacant land to the east, across Coffee Road. For purposes of this analysis, project construction is modeled to start March 2026 and be completed by end of July 2027 (approximately 351 workdays or 1.34 years). Nearby off-site sensitive receptors include the mobile-home park residences 750 feet to the west, single-family residences 800 feet to the southwest, and single-family residences 1,300 feet to the north of the project site. Additionally, there are two buildings approximately 200 to 450 feet west of the project site across El Toro Viejo Road. However, it is uncertain whether these two buildings currently house residents or are used for non-residential purposes only. For purposes of this analysis, they are assumed as residential homes. Additionally, for purposes of this analysis, workers are also included as sensitive receptors. The nearest worker receptors are the offsite workers at the surrounding businesses.

The following provides the background methodology used for the construction health risk assessment (HRA) and ambient air quality analysis (AAQA) for the proposed project.

2. Construction Health Risk Assessment

The San Joaquin Valley Air Pollution Control District (SJVAPCD) risk prioritization screening tool was utilized to determine whether to prepare a construction HRA for the project. The maximum annual project-related exhaust PM_{10} emissions was used as a proxy for diesel particulate matter (DPM) emissions. Based on the project-related maximum annual exhaust emissions of 54 pounds per year (lbs/yr), the project yielded a risk prioritization cancer score of 31 for the between 101 and 250 meters or less receptor proximity group. This score exceeds the risk prioritization screening criteria score of 10. As a result, a site-specific construction health risk assessment (HRA) has been prepared for the proposed project. This HRA considers the health impact to off-site residential and worker receptors (from construction emissions at the project site, including diesel equipment exhaust (diesel particulate matter or DPM).

2.1 METHODOLOGY AND SIGNIFICANCE THRESHOLDS

For this HRA, the SJVAPCD significance thresholds were deemed to be appropriate and the thresholds that were used for this project are shown below:

- Excess cancer risk of more than 20 in a million
- Non-cancer hazard index (chronic or acute) greater than 1.0

The methodology used in this HRA is consistent with the following SJVAPCD and the Office of Environmental Health Hazard Assessment (OEHHA) guidance documents:

- SJVAPCD, 2015. *Guidance for Assessing and Mitigating Air Quality Impacts*. March 2015.
- OEHHA. 2015. *Air Toxics Hot Spots Program Guidance Manual for the Preparation of Health Risk Assessments.* February 2015.

Potential exposures to DPM from proposed project construction were evaluated for off-site sensitive receptors in close proximity to the site. Pollutant concentrations were estimated using an air dispersion model, and excess lifetime cancer risks and chronic non-cancer hazard indexes were calculated. These risks were then compared to the significance thresholds adopted for this HRA.

It should be noted that these health impacts are based on conservative (i.e., health protective) assumptions. The United States Environmental Protection Agency (USEPA, 2005) and OEHHA note that conservative assumptions used in a risk assessment are intended to ensure that the estimated risks do not underestimate the actual risks. Therefore, the estimated risks may not necessarily represent actual risks experienced by populations at or near a site. The use of conservative assumptions tends to produce upper-bound estimates of exposure and thus risk.

For residential-based receptors, the following conservative assumptions were used:

- It was assumed that maximum-exposed off-site residential receptors (both children and adults) stood outdoors and are subject to DPM at their residence for 8 hours per day, and approximately 260 construction days per year. In reality, California residents typically will spend on average 2 hours per day

outdoors at their residences (USEPA, 2011), so actual exposures and risks would be significantly lower than those calculated in this HRA.

- The calculated risk for infants from third trimester to age 2 is multiplied by a factor of 10 and for children age 2 to age 16 is multiplied by a factor of 3 to account for early life exposure and uncertainty in child versus adult exposure impacts (OEHHA, 2015).

For worker-based receptors, the following conservative assumptions were used:

- It was conservatively assumed that all worker receptors were outdoors 24 hours a day, 180 construction days per year, and exposed to all of the daily construction emissions.
- The calculated cancer risks for the off-site maximum exposed individual worker (MEIW) are based on the 16 < 30-year age bin for the entire 1.34-year construction period.

2.2 CONSTRUCTION EMISSIONS

Construction emissions were calculated as average daily emissions in pounds per day, using the proposed construction schedule and the latest version of California Emissions Estimation Model, known as CalEEMod Version 2022.1. DPM emissions were based on the CalEEMod construction runs, using annual exhaust PM_{10} construction emissions presented in pounds (lbs) per day.

The project was assumed to take place over approximately 16 months (351 workdays) from March 2026 to July 2027. The average daily emission rates from construction equipment used during the proposed project were determined by dividing the annual emissions for each construction year by the number of construction days in that particular calendar year (i.e., 2026 and 2027). The off-site hauling emission rates were adjusted to evaluate localized emissions from the 1.79-mile haul route within a quarter-mile of the project site. The CalEEMod construction emissions output and emission rate calculations are provided in Appendix D1.

2.3 DISPERSION MODELING

Air quality modeling was performed using the AERMOD atmospheric dispersion model to assess the impact of emitted compounds on sensitive receptors near the project. The model is a steady state Gaussian plume model and is an approved model by SJVAPCD for estimating ground level impacts from point and fugitive sources in simple and complex terrain. The on-site construction emissions for the project were modeled as poly-area sources. The off-site mobile sources were modeled as adjacent line volume sources. The model requires additional input parameters, including chemical emission data and local meteorology. Inputs for the construction emission rates are those described in Section 1.3. Meteorological data obtained from the SJVAPCD for the nearest representative meteorological station (Bakersfield) with the five latest available years (2018 to 2022) of record were used to represent local weather conditions and prevailing winds (SJVAPCD, 2026).

The modeling analysis also considered the spatial distribution and elevation of each emitting source in relation to the sensitive receptors. To accommodate the model's Cartesian grid format, direction-dependent calculations were obtained by identifying the Universal Transverse Mercator (UTM) coordinates for each source location. In addition, digital elevation model (DEM) data for the area were obtained and included in

the model runs to account for complex terrain. An emission release height of 4.15 meters was used as representative of the stack exhaust height for off-road construction equipment and diesel truck traffic (CARB, 2000).

To determine contaminant impacts during construction hours, the model's Season-Hour-Day (HRDOW) scalar option was invoked to predict flagpole-level concentrations (0 m for ground floor receptors) for construction emissions generated between the hours of 7:00 AM and 4:00 PM with a 1-hour lunch break.

A unit emission rate of 1 gram per second was used for all modeling runs. The unit emission rates were proportioned over the poly-area sources for on-site construction emissions and divided between the volume sources for off-site hauling emissions. The maximum modeled concentrations from the output files were then multiplied by the calculated emission rates to obtain the maximum flagpole-level concentrations at the off-site residential and worker receptors (see Appendix D). Figure 1 shows the receptor locations and the locations of the maximum exposed individual resident (MEIR) and maximum exposed individual worker (MEIW) as predicted by the air dispersion modeling.[1]

The air dispersion model output is presented in Appendix D2.

2.4 RISK CHARACTERIZATION

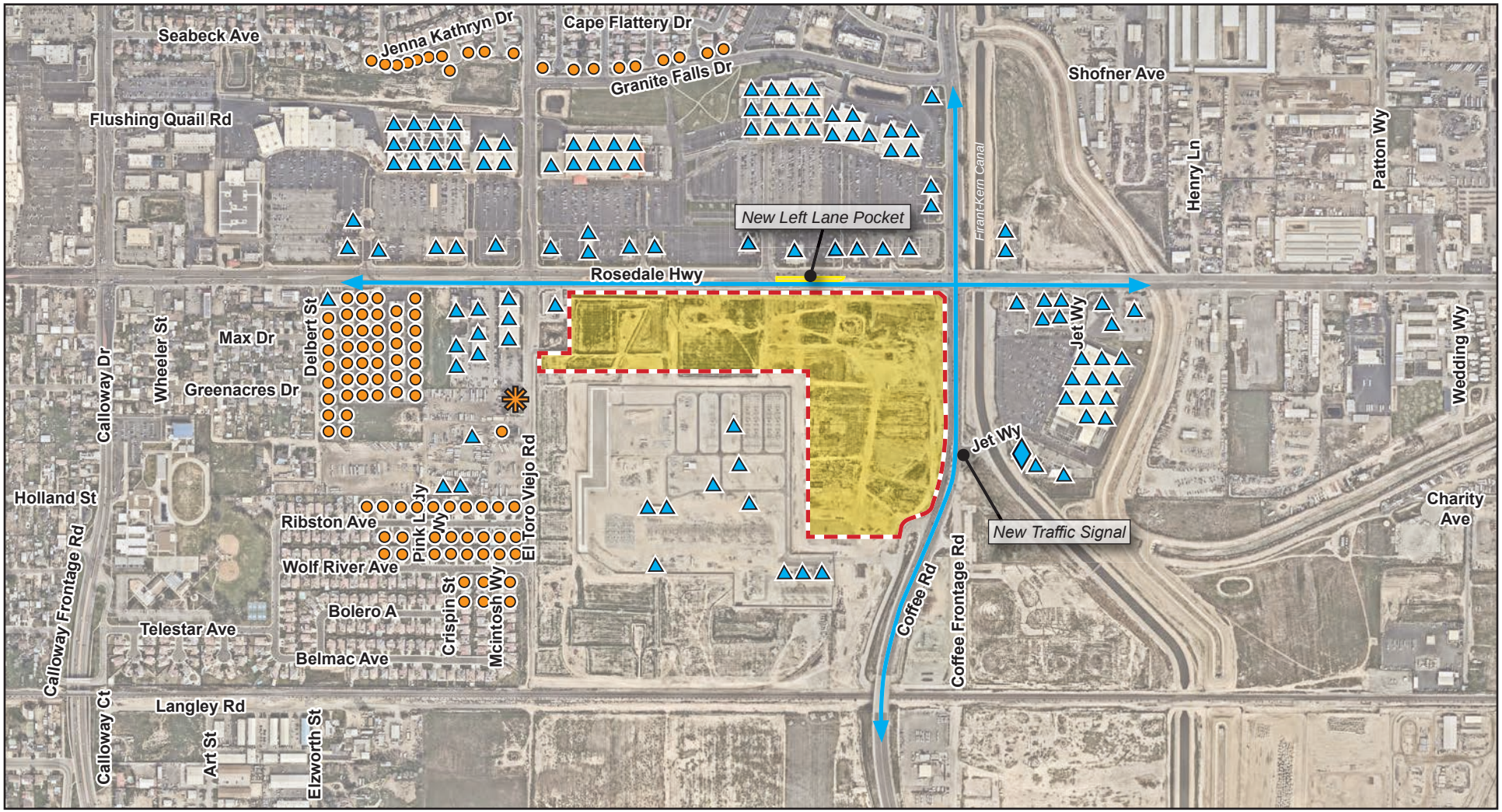
2.4.1 Carcinogenic Chemical Risk

A threshold of 20 in a million ($20x10^{-6}$) has been established as a level posing no significant risk for exposures to carcinogens. Health risks associated with exposure to carcinogenic compounds can be defined in terms of the probability of developing cancer as a result of exposure to a chemical at a given concentration. The cancer risk probability is determined by multiplying the chemical's annual concentration by its cancer potency factor (CPF), a measure of the carcinogenic potential of a chemical when a dose is received through the inhalation pathway. It is an upper-limit estimate of the probability of contracting cancer as a result of continuous exposure to an ambient concentration of one microgram per cubic meter ($\mu g/m^3$) over a lifetime of 70 years.

Recent guidance from OEHHA recommends a refinement to the standard point estimate approach with the use of age-specific breathing rates and age sensitivity factors (ASFs) to assess risk for susceptible subpopulations such as children. For the inhalation pathway, the procedure requires the incorporation of several discrete variates to effectively quantify dose for each age group. Once determined, contaminant dose is multiplied by the cancer potency factor in units of inverse dose expressed in milligrams per kilogram per day $(mg/kg/day)^{-1}$ to derive the cancer risk estimate. Therefore, to accommodate the unique exposures associated with the sensitive receptors, the following dose algorithm was used.

[1] The MEIR and MEIW locations are the respective receptor locations associated with the maximum predicted AERMOD concentrations from off-road equipment (i.e., on-site emissions). The calculated on-site emission rates are approximately 1 order of magnitude higher than the calculated off-site (hauling) emission rates (see Appendix D1). Therefore, the maximum concentrations associated with the on-site emission sources produce the highest overall ground-level MEIR concentrations and, consequently, highest calculated health risks.

Figure 1 - Project Sources and Off-site Receptor Locations



Source: Nearmap, Inc., 2023.

$$\text{Dose}_{\text{AIR,per age group}} = (C_{air} \times EF \times [\frac{BR}{BW}] \times A \times CF)$$

Where:

Dose_{AIR}	=	dose by inhalation (mg/kg-day), per age group
C_{air}	=	concentration of contaminant in air ($\mu g/m^3$)
EF	=	exposure frequency (number of days/365 days)
BR/BW	=	daily breathing rate normalized to body weight (L/kg-day)
A	=	inhalation absorption factor (default = 1)
CF	=	conversion factor ($1x10^{-6}$, µg to mg, L to m^3)

The inhalation absorption factor (A) is a unitless factor that is only used if the cancer potency factor included a correction for absorption across the lung. The default value of 1 was used for this assessment. For residential receptors, the exposure frequency (EF) of 0.96 is used to represent 350 days per year to allow for a two-week period away from home each year (OEHHA, 2015).

For construction analysis, the exposure duration spans the length of construction (e.g., 351 workdays, approximately 1.34 years). As the length of construction is 1.34 years, the third trimester and 0-2 age bins apply to the construction analysis for the off-site residential receptors. For residential receptors, the 95th percentile daily breathing rates (BR/BW), exposure duration (ED), age sensitivity factors (ASFs), and fraction of time at home (FAH) for the various age groups are provided herein:

Age Groups	BR/BW (L/kg-day)	ED	ASF	FAH
Third trimester	361	0.25	10	1
0-2 age group	1,090	2	10	1

For the off-site worker receptors, the 95th percentile daily breathing rates (BR/BW), exposure duration (ED), age sensitivity factors (ASFs), and fraction of time at home (FAH) for the 16-30 age bin are provided herein:

Age Groups	BR/BW (L/kg-day)	ED	ASF	FAH
16-30 age group	240	1.34	1	n/a

To calculate the overall cancer risk, the risk for each appropriate age group is calculated per the following equation:

$$\text{Cancer Risk}_{\text{AIR}} = \text{Dose}_{\text{AIR}} \times CPF \times ASF \times FAH \times \frac{ED}{AT}$$

Where:

Dose_{AIR}	=	dose by inhalation (mg/kg-day), per age group
CPF	=	cancer potency factor, chemical-specific $(mg/kg\text{-}day)^{-1}$
ASF	=	age sensitivity factor, per age group
FAH	=	fraction of time at home, per age group (for residential receptors only)
ED	=	exposure duration (years)
AT	=	averaging time period over which exposure duration is averaged (70 years)

The CPFs used in the assessment were obtained from OEHHA guidance. The excess lifetime cancer risks during the construction period to the maximally exposed resident were calculated based on the factors provided above. The cancer risks for each age group are summed to estimate the total cancer risk for each toxic chemical species. The final step converts the cancer risk in scientific notation to a whole number that expresses the cancer risk in "chances per million" by multiplying the cancer risk by a factor of $1x10^6$ (i.e., 1 million). The calculated results are provided in Appendix D1.

2.4.2 Non-Carcinogenic Hazards

An evaluation was also conducted of the potential non-cancer effects of chronic chemical exposures. Adverse health effects are evaluated by comparing the annual receptor level (flagpole) concentration of each chemical compound with the appropriate reference exposure limit (REL). Available RELs promulgated by OEHHA were considered in the assessment.

The hazard index approach was used to quantify non-carcinogenic impacts. The hazard index assumes that chronic sub-threshold exposures adversely affect a specific organ or organ system (toxicological endpoint). Target organs presented in regulatory guidance were used for each discrete chemical exposure. To calculate the hazard index, each chemical concentration or dose is divided by the appropriate toxicity value. This ratio is summed for compounds affecting the same toxicological endpoint. A health hazard is presumed to exist where the total equals or exceeds one.

The chronic hazard analysis for DPM is provided in Appendix D1. The calculations contain the relevant exposure concentrations and corresponding reference dose values used in the evaluation of non-carcinogenic exposures.

2.5 CONSTRUCTION HRA RESULTS

The calculated results are provided in Appendix D1 and the results are summarized in Table 1.

TABLE 1. CONSTRUCTION RISK SUMMARY - UNMITIGATED

Receptor	Cancer Risk (per million)	Chronic Hazards
Maximum Exposed Individual Resident (MEIR)	1.5	0.003
Maximum Exposed Individual Worker (MEIW)	0.3	0.031
SJVAPCD Threshold	20	1.0
Exceeds Threshold?	**No**	**No**

Note: Cancer risk calculated using 2015 OEHHA HRA guidance.

Cancer risks for the MEIR and MEIW from project-related construction emissions were calculated to be 1.5 and 0.3 in a million, which would not exceed the 20 in a million significance threshold. For non-carcinogenic effects, the chronic hazard index identified for each toxicological endpoint totaled less than one for the MEIR and MEIW. In accordance with the latest 2015 OEHHA guidance, the calculated total cancer risk conservatively assumes that the risk for the MEIR consists of a pregnant woman in the third trimester that subsequently gives birth to an infant during the approximately 1.34-year construction period; therefore,

calculated risk values for the 1.34 years were multiplied by a factor of 10. In addition, it was conservatively assumed that the residents were outdoors 8 hours a day and exposed to all of the daily construction emissions. Overall, project-related construction activities would not result in exceeding the SJVPACD significance thresholds for cancer risk and chronic hazards.

2.6 CUMULATIVE COMMUNITY HEALTH RISK

Per the SJVAPCD Guidance for Assessing and Mitigating Air Quality Impacts, the health risk thresholds of 20 in a million for cancer risks and 1 for chronic hazards are used to evaluate both project-specific and cumulative impacts (SJVAPCD, 2015). Because the project would not exceed the health risks significance thresholds, it would also not result in cumulative impacts.

3. Ambient Air Quality Analysis

The SJVAPCD recommends that an ambient air quality analysis be performed for all criteria pollutants when emissions of any criteria pollutant resulting from either project operational activities or project construction activities exceed the average daily screening level of 100 pounds per day (SJVAPCD, 2015). As shown in Table 2, project operations at full buildout would result in average daily CO emissions of 385 lbs/day. This amount would exceed the 100 lbs/day screening threshold. As a result, an AAQA has been prepared to assess project-related operation emissions to the ambient air quality standards.

TABLE 2. AVERAGE DAILY OPERATION-RELATED EMISSIONS

	Pollutants (pounds per day)[1]					
Operation Phase	VOC	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
Project Operation Related Emissions	80	56	385	1	73	19
SJVAPCD Threshold Ambient Air Quality Screening Threshold	100	100	100	100	100	100
Exceeds Threshold?	**No**	**No**	**Yes**	**No**	**No**	**No**

Note:
[1] Per SJVAPCD guidance, the average daily emissions are calculated by dividing the annual emissions by 365 days, which is the assumed number of workdays the project would operate annually (SJVAPCD, 2013).

3.1 METHODOLOGY AND SIGNIFICANCE THRESHOLDS

In accordance with SJVAPCD methodology (APR 1925 and APR 2030), a Level 1 AAQA Analysis was conducted for full project buildout in the year 2027. All criteria pollutants with known ambient air quality standards (AAQS) were modeled using an air dispersion model (AERMOD), and the predicted pollutant concentrations were then added to background pollutant concentrations and the total concentration compared to the corresponding AAQS. For pollutants whose background concentrations already exceed the national AAQS (NAAQS) or California AAQS (CAAQS), the pollutant concentration is then compared to the SJVAPCD's developed significant impact levels (SILs) for each pollutant.

The pollutants, average times, NAAQS, CAAQS or SILs used for this project are shown below:

- NO_2, 1-hour NAAQS 188 μg/m³; CAAQS 339 μg/m³
- NO_2, annual: NAAQS 53 μg/m³; CAAQS 57 μg/m³
- CO, 1-hour NAAQS 40,000 μg/m³; CAAQS 23,000 μg/m³
- CO, 8-hour NAAQS 10,000 μg/m³; CAAQS 10,000 μg/m³
- SO_2, 1-hour NAAQS 196 μg/m³; CAAQS 655 μg/m³
- SO_2, 3-hour NAAQS 1,300 μg/m³ CAAQS n/a
- SO_2, 24-hour NAAQS n/a CAAQS 105 μg/m³
- PM_{10}, 24-hour NAAQS 150 μg/m³ CAAQS 50 μg/m³ SIL 2.08 μg/m³
- PM_{10}, annual NAAQS n/a CAAQS 20 μg/m³ SIL 10.4 μg/m³
- $PM_{2.5}$, 24-hour NAAQS 35 μg/m³ CAAQS n/a SIL 2.5 μg/m³

- $PM_{2.5}$, annual NAAQS 15 μg/m³ CAAQS 12 μg/m³ SIL 0.63 μg/m³

Background concentrations for evaluated pollutants were determined using either USEPA site monitoring data for Bakersfield and the Fresno-Garland) monitoring locations (USEPA, 2025) and CARB's ADAM Air Quality Data Statistics (CARB, 2025).

3.2 OPERATION EMISSIONS

Project operation emissions for NO_X, CO, SO_2, PM_{10}, and $PM_{2.5}$ were calculated as average daily emissions in pounds per day using CalEEMod Version 2022. The total mobile source emissions were adjusted to determine the localized mobile source emissions for vehicles traveling on-site and the off-site mobile source emissions for vehicles traveling on the approximate a quarter-mile of the project site. The average annual vehicle miles traveled (VMT) for on-site and off-site mobile sources within a quarter-mile of the site was determined by multiplying the average trip length modeled in AERMOD by the total annual vehicle trips (i.e., 9,518,211 trips per year). The ratio of the average annual VMT to the total project annual VMT was used to determine the localized mobile source emissions, and the calculations for the AAQA are provided in Appendix D3.

3.3 DISPERSION MODELING

The air dispersion modeling for the AAQA largely followed a similar model setup and approach as described in section 2.3 for the construction HRA, except for the following inputs:

- On-site Mobile Sources and Off-site Mobile Sources were modeled using adjacent line volume sources along the on-site travel paths and for surface streets within a quarter-mile of the project site. For the seven-line volume sources, the normalized emission rate (1 g/s) was adjusted based on the length of each line source.
- Area Sources were modeled using a poly-area source over the entire parking lot areas for the project site. For a single poly-area source, the normalized emission rate is divided by the surface area of the source.
- Energy Sources were modeled as volume sources over the planned 29 buildings within the project site. The normalized emission rate for this source was adjusted among the 29 buildings based on the length of the side of each volume source.
- The receptor grid consisted of a 25 m fence-line grid spacing with three receptor tiers: 25 m spacing extending 100 meters from the project starting 25 m from the property line; 50 m spacing extending 150 meters from the project; and 100 m spacing extending 250 meters from the project.

An emission release height of 0.6 meters was used as representative of vehicle/mobile source exhaust (CARB, 2000). The maximum modeled concentrations from the output summary were then multiplied by the emission rates calculated in Appendix D3 to obtain the maximum ground-level concentration of each pollutant. The AAQA air dispersion modeling output is provided in Appendix D4.

3.4 AAQA RESULTS

The calculated pollutant concentrations associated with the project are provided in Appendix D3 and the results are summarized in Table 3.

TABLE 3 AMBIENT AIR QUALITY ANALYSIS SUMMARY

Pollutant	Averaging Period	Background µg/m³	Project Operation µg/m³	Project + Background	NAAQS µg/m³	CAAQS µg/m³
NO_2	1-hour	96.3	0.69	97.0	188.7	339
	Annual	62.8	0.13	63.0	100	57
CO	1-hour	1,664	55.6	1,719	40,000	23,000
	8-hour	916	37.4	953	10,000	10,000
SO_2	1-hour	77.3	0.10	77.4	196	655
	3-hour	50.0	0.09	50.1	1,300	n/a
	24-hour	11.3	0.05	11.3	365	105
	Annual	7.07	0.04	7.11	n/a	n/a
PM_{10}	24-hour	93.0	3.73	96.7	150	50
	Annual	49.6	1.69	51.3	n/a	20
$PM_{2.5}$	24-hour	37.2	1.07	38.3	35	n/a
	Annual	12.9	0.48	13.38	12	12

Note: National Ambient Air Quality Standard (NAAQS); California Ambient Air Quality Standard (CAAQS).

As shown in Table 3, project-related operation activities would not generate emissions that would result in concentrations exceeding the ambient air quality standards for NO_2 (1-hour), SO_2 and CO, when added to background concentrations. However, background concentrations of annual NO_2, PM_{10} and $PM_{2.5}$ already exceed the AAQS's. For these pollutants, the SJVAPCD has developed SILs to determine whether a project's contribution will contribute significantly to an AAQS exceedance. A comparison of the project NO_2, PM_{10} and $PM_{2.5}$ emissions to the SILs is provided in Table 4, *Comparison of Particulate Matter Concentrations to Significant Impact Levels*. The project's modeled NO_2, PM_{10} and $PM_{2.5}$ concentrations are below the SJVAPCD significance levels for 24-hour and annual average concentrations. Therefore, the project's contribution to potential exceedances of ambient air quality standards would be *less than significant*.

TABLE 4 COMPARISON OF PARTICULATE MATTER CONCENTRATIONS TO SIGNIFICANT IMPACT LEVELS

Pollutant	Averaging Period	Project Operation µg/m³	SIL µg/m³
NO_2	Annual	0.13	1.0
PM_{10}	24-hour	3.73	10.4
	Annual	1.69	2.08
$PM_{2.5}$	24-hour	1.07	2.5
	Annual	0.48	0.63

Note: Significant impact level (SIL).

4. References

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Appendix D1. Emission Rate and Construction Risks Calculations

	Daily Trips	Trip Distance (miles/trips)	Daily VMT	Total Days	Total Trips	Total VMT
Phase 1						
Site Preparation						
Vendor	2	7.37	14.74	5	10	74
Haul	0	20	0	5	0	0
Rough Grading						
Vendor	10	7.37	73.7	10	100	737
Haul	0	20	0	10	0	0
Fine Grading						
Vendor	2	7.37	14.74	15	30	221
Haul	0	20	0	15	0	0
Building Demolition						
Vendor	52	7.37	383.24	196	10,192	75,115
Haul	0	20	0	196	0	0
Paving						
Vendor	24	7.37	176.88	10	240	1,769
Haul	0	20	0	10	0	0
Architectural Coating						
Vendor	0	7.37	0	55	0	0
Haul	0	20	0	55	0	0
Utility Trenching						
Vendor	2	7.37	14.74	45	90	663
Haul	0	20	0	45	0	0
Utility Trenching						
Vendor	2	7.37	14.74	65	130	958
Haul	0	20	0	65	0	0
Traffic Signal						
Utility Trenching						
Vendor	2	10.6	21.2	20	40	424
Haul	0	20	0	20	0	0
Traffic Signal Install						
Vendor	2	10.6	21.2	20	40	424
Haul	0	20	0	20	0	0
Left Turn Lane						
Demolition						
Vendor	0	7.37	0	5	0	0
Haul	29	20	580	5	145	2,900
Site Preparation						
Vendor	2	7.37	14.74	5	10	74
Haul	0	20	0	5	0	0
Rough Grading						
Vendor	2	7.37	14.74	10	20	147
Haul	0	20	0	10	0	0
Fine Grading						
Vendor	2	7.37	14.74	5	10	74
Haul	0	20	0	5	0	0
Paving						
Vendor	8	7.37	58.96	5	40	295
Haul	0	20	0	5	0	0
Architectural Coating						
Vendor	0	7.37	0	1	0	0
Haul	0	20	0	1	0	0
				Year 2026	11,097	83,875

	Daily Trips	Distance (miles/trips)	Daily VMT	Total Days	Total Trips	Total VMT
Phase 2						
Site Preparation						
Vendor	2	7.37	14.74	5	10	74
Haul	0	20	0	5	0	0
Rough Grading						
Vendor	10	7.37	73.7	10	100	737

Haul	0	20	0	10	0	0
Fine Grading						
Vendor	2	7.37	14.74	10	20	147
Haul	0	20	0	10	0	0
Building Demolition						
Vendor	15	7.37	110.55	135	2,025	14,924
Haul	0	20	0	135	0	0
Paving						
Vendor	16	7.37	117.92	5	80	590
Haul	0	20	0	5	0	0
Architectural Coating						
Vendor	0	7.37	0	20	0	0
Haul	0	20	0	20	0	0
Utility Trenching						
Vendor	2	7.37	14.74	20	40	295
Haul	0	20	0	20	0	0
Utility Trenching						
Vendor	2	7.37	14.74	35	70	516
Haul	0	20	0	35	0	0
				Total 2027	2,345	17,283

Average Daily Emissions and Emission Rates: Unmitigated

Year	Start Date	End Date	Workdays
2026	3/16/2026	12/28/2026	206
2027	1/4/2027	7/23/2027	145

Year	Start Date	End Date	Workdays
2026	1/1/2026	12/31/2026	261
2027	1/1/2027	12/31/2027	261

Onsite Construction PM10 Exhaust Emissions[1]

Phases	Year	Annual PM10 Exhaust Emissions (Tons/Year)	Annual PM10 Exhaust Emissions (lbs/Year)	# of Construction Days/Year	Average Daily Emissions (lbs/day)	Average Daily Emissions (lbs/hr)	Emission Rate (g/s)	# of Total Workdays/ Year	Construction Duration (Yr)[2]
	2026	0.025316106	50.63	206	0.25	3.07E-02	3.87E-03	261	0.79
	2027	0.013687985	27.38	145	0.19	2.36E-02	2.97E-03	261	0.56
				351					**1.34**

Offsite Construction PM10 Exhaust Emissions[1]

Year	Annual PM10 Exhaust Emissions (Tons/Year)	Annual PM10 Exhaust Emissions (lbs/Year)	# of Construction Days/Year	Average Daily Emissions (lbs/day)	Hauling Emissions w/in 1,000 ft (lbs/day)[3]	Emission Rate (lbs/hr)	Emission Rate (g/s)
2026	0.0019	3.74	206	1.82E-02	4.30E-03	5.37E-04	6.77E-05
2027	0.0004	0.75	145	5.18E-03	1.26E-03	1.57E-04	1.98E-05

Note: Emissions evenly distributed over 246 modeled volume sources.

	2026	2027	2028	2029	2030	2031	2032	2033
Total Trips	11,097	2,345						
Total Haul and Vendor Trip Miles	83,875	17,283						
Haul Length within 1,000 ft of Site (mile)[1]	1.79	1.79						
Total Miles Traveled within 1,000 ft of Site	19,843	4,193	0	0	0	0	0	0
Hours per work day (7:00 AM to 4:00 PM, 1-hour of breaks)[2]	8	8	8	8	8	8	8	8

[1] Emissions from CalEEMod offsite average daily emissions, which is based on proportioned haul truck trip distances, are adjusted to evaluate emissions from the 1.79-mile route within 1,000 of the project site.

[2] Work hours applied in By Hour/Day (HRDOW) variable emissions module in air dispersion model (see App B - Air Dispersion Model Output Files).

Annual Construction Emissions

Phase 1: Site Preparation

		ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2026**										
Off-Road Equipment		0.00025223	0.00258287	0.0047704	6.705E-06	8.6974E-05		8.6974E-05	8.0016E-05		8.0016E-05
st From Material Movement							0	0		0	0
Onsite Truck		1.95178E-06	4.2675E-05	2.967E-05	7.79E-08	6.82E-08	0.00144319	0.00144326	6.82E-08	0.000144076	0.00014414
Total		**0.000254182**	**0.00262554**	**0.0048**	**6.783E-06**	**8.7043E-05**	**0.00144319**	**0.00153023**	**8.0085E-05**	**0.000144076**	**0.00022416**
Offsite											
Worker		0.00010852	8.7541E-05	0.001089	0	0	0.0002313	0.0002313	0	5.41742E-05	5.4174E-05
Vendor		4.16012E-06	0.00014645	5.221E-05	8.12E-07	1.6248E-06	3.0609E-05	3.2234E-05	1.6248E-06	8.46474E-06	1.009E-05
Hauling		0	0	0	0	0	0	0	0	0	0
Total		**0.00011268**	**0.00023399**	**0.0011412**	**8.124E-07**	**1.6248E-06**	**0.00026191**	**0.00026353**	**1.6248E-06**	**6.26389E-05**	**6.4264E-05**
TOTAL		***0.0004***	***0.0029***	***0.0059***	***0.0000***	***0.0001***	***0.0017***	***0.0018***	***0.0001***	***0.0002***	***0.0003***

Phase 1: Rough Grading

		ROG	NOx	CO	SO2	Exhaust PM1(	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2026**										
Off-Road Equipment		0.007525318	0.06749721	0.0646567	0.0001883	0.00260474		0.00260474	0.00239636		0.00239636
st From Material Movement							0.010605004	0.010605		0.001145092	0.00114509
Onsite Truck		4.03997E-06	0.00010595	6.112E-05	2.921E-07	5.4564E-07	0.011545521	0.01154607	5.4564E-07	0.001152607	0.00115315
Total		**0.007529358**	**0.06760316**	**0.0647179**	**0.0001886**	**0.00260529**	**0.02215053**	**0.02475581**	**0.00239691**	**0.002297698**	**0.00469461**
Offsite											
Worker		0.000361734	0.0002918	0.0036299	0	0	0.000771	0.000771	0	0.000180581	0.00018058
Vendor		4.16012E-05	0.00146448	0.0005221	8.124E-06	1.6248E-05	0.00030609	0.00032234	1.6248E-05	8.46474E-05	0.0001009
Hauling		0	0	0	0	0	0	0	0	0	0
Total		**0.000403336**	**0.00175628**	**0.004152**	**8.124E-06**	**1.6248E-05**	**0.00107709**	**0.00109334**	**1.6248E-05**	**0.000265228**	**0.00028148**
TOTAL		***0.0079***	***0.0694***	***0.0689***	***0.0002***	***0.0026***	***0.0232***	***0.0258***	***0.0024***	***0.0026***	***0.0050***

Phase 1: Fine Grading

		ROG	NOx	CO	SO2	Exhaust PM1(	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2026**										
Off-Road Equipment		0.004025055	0.03578496	0.0558913	7.956E-05	0.0016489		0.0016489	0.00151699		0.00151699
st From Material Movement							0.003976876	0.00397688		0.000429409	0.00042941
Onsite Truck		5.85534E-06	0.00012803	8.902E-05	2.336E-07	2.0462E-07	0.004329571	0.00432978	2.0462E-07	0.000432227	0.00043243
Total		**0.00403091**	**0.03591298**	**0.0559803**	**7.979E-05**	**0.0016491**	**0.00830645**	**0.00995555**	**0.00151719**	**0.000861637**	**0.00237883**
Offsite											
Worker		0.000325561	0.00026262	0.0032669	0	0	0.0006939	0.0006939	0	0.000162523	0.00016252
Vendor		1.24804E-05	0.00043934	0.0001566	2.437E-06	4.8744E-06	9.1828E-05	9.6703E-05	4.8744E-06	2.53942E-05	3.0269E-05
Hauling		0	0	0	0	0	0	0	0	0	0
Total		**0.000338041**	**0.00070197**	**0.0034235**	**2.437E-06**	**4.8744E-06**	**0.00078573**	**0.0007906**	**4.8744E-06**	**0.000187917**	**0.00019279**
TOTAL		***0.0044***	***0.0366***	***0.0594***	***0.0001***	***0.0017***	***0.0091***	***0.0107***	***0.0015***	***0.0010***	***0.0026***

Phase 1: Building Construction

		ROG	NOx	CO	SO2	Exhaust PM1(	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2026**										
Off-Road Equipment		0.040229797	0.3379251	0.4148678	0.0006808	0.01287376		0.01287376	0.01184386		0.01184386
Onsite Truck		0	0	0	0	0	0	0	0	0	0
Total		**0.040229797**	**0.3379251**	**0.4148678**	**0.0006808**	**0.01287376**	**0**	**0.01287376**	**0.01184386**	**0**	**0.01184386**
Offsite											
Worker		0.042539975	0.03431613	0.4268724	0	0	0.09066968	0.09066968	0	0.021236284	0.02123628
Vendor		0.004217444	0.14846541	0.0529315	0.0008236	0.00164719	0.03103112	0.03267831	0.00164719	0.008581376	0.01022857
Hauling		0	0	0	0	0	0	0	0	0	0
Total		**0.046757418**	**0.18278154**	**0.4798039**	**0.0008236**	**0.00164719**	**0.12170079**	**0.12334799**	**0.00164719**	**0.02981766**	**0.03146485**
TOTAL		***0.0870***	***0.5207***	***0.8947***	***0.0015***	***0.0145***	***0.1217***	***0.1362***	***0.0135***	***0.0298***	***0.0433***

Phase 1: Asphalt Paving

		ROG	NOx	CO	SO2	Exhaust PM1(	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2026**										
Off-Road Equipment		0.002523728	0.02148546	0.0297087	4.104E-05	0.00093234		0.00093234	0.00085775		0.00085775
Paving		0.034936567									
Onsite Truck		0	0	0	0	0	0	0	0	0	0
Total		**0.037460296**	**0.02148546**	**0.0297087**	**4.104E-05**	**0.00093234**	**0**	**0.00093234**	**0.00085775**	**0**	**0.00085775**
Offsite											
Worker		0.000578775	0.00046689	0.0058078	0	0	0.0012336	0.0012336	0	0.000288929	0.00028893
Vendor		9.98429E-05	0.00351474	0.0012531	1.95E-05	3.8995E-05	0.00073462	0.00077362	3.8995E-05	0.000203154	0.00024215
Hauling		0	0	0	0	0	0	0	0	0	0
Total		**0.000678618**	**0.00398163**	**0.0070609**	**1.95E-05**	**3.8995E-05**	**0.00196823**	**0.00200722**	**3.8995E-05**	**0.000492083**	**0.00053108**
TOTAL		***0.0381***	***0.0255***	***0.0368***	***0.0001***	***0.0010***	***0.0020***	***0.0029***	***0.0009***	***0.0005***	***0.0014***

Phase 1: Architectural Coating

		ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2026**										
Off-Road Equipment		0.003308485	0.02355238	0.0311528	4.746E-05	0.00063672		0.00063672	0.00058578		0.00058578
Architectural Coatings		0.911541073									
Onsite truck		0	0	0	0	0	0	0	0	0	0
Total		**0.914849557**	**0.02355238**	**0.0311528**	**4.746E-05**	**0.00063672**	**0**	**0.00063672**	**0.00058578**	**0**	**0.00058578**
Offsite											
Worker		0.002122289	0.00171201	0.0212964	0	0	0.00452345	0.00452345	0	0.001059463	0.00105946
Vendor		0	0	0	0	0	0	0	0	0	0
Hauling		0	0	0	0	0	0	0	0	0	0
Total		**0.002122289**	**0.00171201**	**0.0212964**	**0**	**0**	**0.00452345**	**0.00452345**	**0**	**0.001059463**	**0.00105946**
TOTAL		***0.9170***	***0.0253***	***0.0524***	***0.0000***	***0.0006***	***0.0045***	***0.0052***	***0.0006***	***0.0011***	***0.0016***

Phase 1: Utility Trenching

		ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2026**										
Off-Road Equipment		0.008808896	0.0834814	0.1316935	0.0001795	0.00263603		0.00263603	0.00242515		0.00242515
Onsite Truck		0	0	0	0	0	0	0	0	0	0
Total		**0.008808896**	**0.0834814**	**0.1316935**	**0.0001795**	**0.00263603**	**0**	**0.00263603**	**0.00242515**	**0**	**0.00242515**
Offsite											
Worker		0.002930049	0.00236361	0.0294019	0	0	0.00624511	0.00624511	0	0.001462703	0.0014627
Vendor		3.74411E-05	0.00131803	0.0004699	7.312E-06	1.4623E-05	0.00027548	0.00029011	1.4623E-05	7.61827E-05	9.0806E-05
Hauling		0	0	0	0	0	0	0	0	0	0
Total		**0.00296749**	**0.00368164**	**0.0298718**	**7.312E-06**	**1.4623E-05**	**0.00652059**	**0.00653521**	**1.4623E-05**	**0.001538886**	**0.00155351**
TOTAL		***0.0118***	***0.0872***	***0.1616***	***0.0002***	***0.0027***	***0.0065***	***0.0092***	***0.0024***	***0.0015***	***0.0040***

Phase 1: Finishing Landscaping

		ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2026**										
Off-Road Equipment		0.005293954	0.06079076	0.1108706	0.0001607	0.00190513		0.00190513	0.00175272		0.00175272
Onsite Truck		0	0	0	0	0	0	0	0	0	0
Total		**0.005293954**	**0.06079076**	**0.1108706**	**0.0001607**	**0.00190513**	**0**	**0.00190513**	**0.00175272**	**0**	**0.00175272**
Offsite											
Worker		0.004702548	0.00379345	0.0471883	0	0	0.01002301	0.01002301	0	0.002347548	0.00234755
Vendor		5.40816E-05	0.00190382	0.0006788	1.056E-05	2.1122E-05	0.00039792	0.00041904	2.1122E-05	0.000110042	0.00013116
Hauling		0	0	0	0	0	0	0	0	0	0
Total		**0.00475663**	**0.00569727**	**0.047867**	**1.056E-05**	**2.1122E-05**	**0.01042093**	**0.01044205**	**2.1122E-05**	**0.00245759**	**0.00247871**
TOTAL		***0.0101***	***0.0665***	***0.1587***	***0.0002***	***0.0019***	***0.0104***	***0.0123***	***0.0018***	***0.0025***	***0.0042***

Phase 2: Site Preparation

		ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2027**										
Off-Road Equipment		0.000242787	0.00247685	0.0047787	6.704E-06	7.4556E-05		7.4556E-05	6.8591E-05		6.8591E-05
st From Material Movement							0	0		0	0
Onsite Truck		1.95178E-06	4.2364E-05	2.959E-05	7.79E-08	6.82E-08	0.00144319	0.00144326	6.82E-08	0.000144076	0.00014414
Total		**0.000244739**	**0.00251921**	**0.0048083**	**6.782E-06**	**7.4624E-05**	**0.00144319**	**0.00151781**	**6.866E-05**	**0.000144076**	**0.00021274**
Offsite											
Worker		0.000102568	7.8917E-05	0.0010041	0	0	0.0002313	0.0002313	0	5.41742E-05	5.4174E-05
Vendor		4.16012E-06	0.00014113	5.026E-05	8.12E-07	1.6248E-06	3.0609E-05	3.2234E-05	1.6248E-06	8.46474E-06	1.009E-05
Hauling		0	0	0	0	0	0	0	0	0	0
Total		**0.000106728**	**0.00022005**	**0.0010543**	**8.124E-07**	**1.6248E-06**	**0.00026191**	**0.00026353**	**1.6248E-06**	**6.26389E-05**	**6.4264E-05**
TOTAL		***0.0004***	***0.0027***	***0.0059***	***0.0000***	***0.0001***	***0.0017***	***0.0018***	***0.0001***	***0.0002***	***0.0003***

Phase 2: Rough Grading

		ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2027**										
Off-Road Equipment		0.007310342	0.06258556	0.0640649	0.0001883	0.00241809		0.00241809	0.00222464		0.00222464
st From Material Movement							0.010605004	0.010605		0.001145092	0.00114509
Onsite Truck		4.03997E-06	0.00010478	6.083E-05	2.92E-07	5.46E-07	0.011545521	0.01154607	5.46E-07	0.001152607	0.00115315
Total		**0.007314382**	**0.06269034**	**0.0641257**	**0.0001886**	**0.00241863**	**0.02215053**	**0.02456916**	**0.00222519**	**0.002297698**	**0.00452288**
Offsite											
Worker		0.000341893	0.00026306	0.0033469	0	0	0.000771	0.000771	0	0.000180581	0.00018058
Vendor		4.16012E-05	0.00141132	0.0005026	8.124E-06	1.6248E-05	0.00030609	0.00032234	1.6248E-05	8.46474E-05	0.0001009
Hauling		0	0	0	0	0	0	0	0	0	0
Total		**0.000383494**	**0.00167438**	**0.0038494**	**8.124E-06**	**1.6248E-05**	**0.00107709**	**0.00109334**	**1.6248E-05**	**0.000265228**	**0.00028148**
TOTAL		***0.0077***	***0.0644***	***0.0680***	***0.0002***	***0.0024***	***0.0232***	***0.0257***	***0.0022***	***0.0026***	***0.0048***

Phase 2: Fine Grading

		ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2027**										
Off-Road Equipment		0.002551565	0.02212926	0.0373387	5.306E-05	0.00097806		0.00097806	0.00089981		0.00089981
st From Material Movement							0.002651251	0.00265125		0.000286273	0.00028627
Onsite Truck		3.90356E-06	8.4728E-05	5.919E-05	1.56E-07	1.36E-07	0.00288638	0.00288652	1.36E-07	0.000288152	0.00028829
Total		**0.002555469**	**0.02221398**	**0.0373979**	**5.322E-05**	**0.00097819**	**0.00553763**	**0.00651582**	**0.00089995**	**0.000574425**	**0.00147437**
Offsite											
Worker		0.000170946	0.00013153	0.0016734	0	0	0.0003855	0.0003855	0	9.02903E-05	9.029E-05
Vendor		8.32025E-06	0.00028226	0.0001005	1.625E-06	3.2496E-06	6.1219E-05	6.4468E-05	3.2496E-06	1.69295E-05	2.0179E-05
Hauling		0	0	0	0	0	0	0	0	0	0
Total		**0.000179267**	**0.00041379**	**0.001774**	**1.625E-06**	**3.2496E-06**	**0.00044672**	**0.00044997**	**3.2496E-06**	**0.00010722**	**0.00011047**
TOTAL		***0.0027***	***0.0226***	***0.0392***	***0.0001***	***0.0010***	***0.0060***	***0.0070***	***0.0009***	***0.0007***	***0.0016***

Phase 2: Building Construction

		ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2027**										
Off-Road Equipment		0.026269242	0.22255419	0.2844171	0.0004689	0.0076712		0.0076712	0.00705751		0.00705751
Onsite Truck		0	0	0	0	0	0	0	0	0	0
Total		**0.026269242**	**0.22255419**	**0.2844171**	**0.0004689**	**0.0076712**	**0**	**0.0076712**	**0.00705751**	**0**	**0.00705751**
Offsite											
Worker		0.027693323	0.0213075	0.2710974	0	0	0.06245105	0.06245105	0	0.014627033	0.01462703
Vendor		0.000827999	0.02808987	0.0100027	0.0001617	0.00032339	0.00609225	0.00641564	0.00032339	0.001684757	0.00200815
Hauling		0	0	0	0	0	0	0	0	0	0
Total		**0.028521322**	**0.04939737**	**0.2811001**	**0.0001617**	**0.00032339**	**0.06854331**	**0.06886669**	**0.00032339**	**0.01631179**	**0.01663518**
TOTAL		***0.0548***	***0.2720***	***0.5655***	***0.0006***	***0.0080***	***0.0685***	***0.0765***	***0.0074***	***0.0163***	***0.0237***

Phase 2: Asphalt Paving

		ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2027**										
Off-Road Equipment		0.001224352	0.01046688	0.0148887	2.052E-05	0.00042984		0.00042984	0.00039545		0.00039545
Paving		0.009752031									
Onsite Truck		0	0	0	0	0	0	0	0	0	0
Total		**0.010976383**	**0.01046688**	**0.0148887**	**2.052E-05**	**0.00042984**	**0**	**0.00042984**	**0.00039545**	**0**	**0.00039545**
Offsite											
Worker		0.000273514	0.00021044	0.0026775	0	0	0.0006168	0.0006168	0	0.000144465	0.00014446
Vendor		3.3281E-05	0.00112906	0.0004021	6.499E-06	1.2998E-05	0.00024487	0.00025787	1.2998E-05	6.77179E-05	8.0716E-05
Hauling		0	0	0	0	0	0	0	0	0	0
Total		**0.000306795**	**0.0013395**	**0.0030796**	**6.499E-06**	**1.2998E-05**	**0.00086168**	**0.00087467**	**1.2998E-05**	**0.000212182**	**0.00022518**
TOTAL		***0.0113***	***0.0118***	***0.0180***	***0.0000***	***0.0004***	***0.0009***	***0.0013***	***0.0004***	***0.0002***	***0.0006***

Phase 2: Architectural Coating

		ROG	NOx	CO	SO2	Exhaust PM1(	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2027**										
Off-Road Equipment		0.001133485	0.00831162	0.0112539	1.726E-05	0.00019049		0.00019049	0.00017525		0.00017525
Architectural Coatings		0.253626967									
Onsite truck		0	0	0	0	0	0	0	0	0	0
Total		**0.254760451**	**0.00831162**	**0.0112539**	**1.726E-05**	**0.00019049**	**0**	**0.00019049**	**0.00017525**	**0**	**0.00017525**
Offsite											
Worker		0.000196825	0.00015144	0.0019268	0	0	0.00044386	0.00044386	0	0.000103959	0.00010396
Vendor		0	0	0	0	0	0	0	0	0	0
Hauling		0	0	0	0	0	0	0	0	0	0
Total		**0.000196825**	**0.00015144**	**0.0019268**	**0**	**0**	**0.00044386**	**0.00044386**	**0**	**0.000103959**	**0.00010396**
TOTAL		***0.2550***	***0.0085***	***0.0132***	***0.0000***	***0.0002***	***0.0004***	***0.0006***	***0.0002***	***0.0001***	***0.0003***

Phase 2: Utility Trenching

		ROG	NOx	CO	SO2	Exhaust PM1(	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2027**										
Off-Road Equipment		0.003766784	0.03606211	0.0585759	7.979E-05	0.00102491		0.00102491	0.00094292		0.00094292
Onsite Truck		0	0	0	0	0	0	0	0	0	0
Total		**0.003766784**	**0.03606211**	**0.0585759**	**7.979E-05**	**0.00102491**	**0**	**0.00102491**	**0.00094292**	**0**	**0.00094292**
Offsite											
Worker		0.000820543	0.00063133	0.0080325	0	0	0.0018504	0.0018504	0	0.000433394	0.00043339
Vendor		1.66405E-05	0.00056453	0.000201	3.25E-06	6.4992E-06	0.00012244	0.00012894	6.4992E-06	3.3859E-05	4.0358E-05
Hauling		0	0	0	0	0	0	0	0	0	0
Total		**0.000837183**	**0.00119586**	**0.0082335**	**3.25E-06**	**6.4992E-06**	**0.00197284**	**0.00197934**	**6.4992E-06**	**0.000467253**	**0.00047375**
TOTAL		***0.0046***	***0.0373***	***0.0668***	***0.0001***	***0.0010***	***0.0020***	***0.0030***	***0.0009***	***0.0005***	***0.0014***

Phase 2: Finishing Landscaping

		ROG	NOx	CO	SO2	Exhaust PM1(	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2027**										
Off-Road Equipment		0.002749319	0.03155158	0.0597491	8.653E-05	0.00090009		0.00090009	0.00082809		0.00082809
Onsite Truck		0	0	0	0	0	0	0	0	0	0
Total		**0.002749319**	**0.03155158**	**0.0597491**	**8.653E-05**	**0.00090009**	**0**	**0.00090009**	**0.00082809**	**0**	**0.00082809**
Offsite											
Worker		0.001794938	0.00138104	0.0175711	0	0	0.00404775	0.00404775	0	0.000948048	0.00094805
Vendor		2.91209E-05	0.00098793	0.0003518	5.687E-06	1.1374E-05	0.00021427	0.00022564	1.1374E-05	5.92532E-05	7.0627E-05
Hauling		0	0	0	0	0	0	0	0	0	0
Total		**0.001824058**	**0.00236897**	**0.0179229**	**5.687E-06**	**1.1374E-05**	**0.00426202**	**0.00427339**	**1.1374E-05**	**0.001007302**	**0.00101868**
TOTAL		***0.0046***	***0.0339***	***0.0777***	***0.0001***	***0.0009***	***0.0043***	***0.0052***	***0.0008***	***0.0010***	***0.0018***

Left Turn Lane: Demolition

		ROG	NOx	CO	SO2	Exhaust PM1(	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2026**										
Off-Road Equipment		0.000533342	0.00596765	0.0109137	1.571E-05	0.00019004		0.00019004	0.00017483		0.00017483
Demolition							0.006247891	0.00624789		0.000946109	0.00094611
Onsite Truck		0	0	0	0	0	0	0	0	0	0
Total		**0.000533342**	**0.00596765**	**0.0109137**	**1.571E-05**	**0.00019004**	**0.00624789**	**0.00643793**	**0.00017483**	**0.000946109**	**0.00112094**
Offsite											
Worker		7.23469E-05	5.8361E-05	0.000726	0	0	0.0001542	0.0001542	0	3.61161E-05	3.6116E-05
Vendor		0	0	0	0	0	0	0	0	0	0
Hauling		8.73031E-05	0.00592391	0.0012588	3.333E-05	9.524E-05	0.00132312	0.00141836	9.524E-05	0.000362526	0.00045777
Total		**0.00015965**	**0.00598227**	**0.0019847**	**3.333E-05**	**9.524E-05**	**0.00147732**	**0.00157256**	**9.524E-05**	**0.000398642**	**0.00049388**
TOTAL		***0.0007***	***0.0119***	***0.0129***	***0.0000***	***0.0003***	***0.0077***	***0.0080***	***0.0003***	***0.0013***	***0.0016***

Left Turn Lane: Site Preparation

		ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2026**										
Off-Road Equipment		0.000407227	0.00467621	0.0085285	1.236E-05	0.00014655		0.00014655	0.00013482		0.00013482
st From Material Movement							0	0		0	0
Onsite Truck		0	0	0	0	0	0	0	0	0	0
Total		**0.000407227**	**0.00467621**	**0.0085285**	**1.236E-05**	**0.00014655**	**0**	**0.00014655**	**0.00013482**	**0**	**0.00013482**
Offsite											
Worker		7.23469E-05	5.8361E-05	0.000726	0	0	0.0001542	0.0001542	0	3.61161E-05	3.6116E-05
Vendor		4.16012E-06	0.00014645	5.221E-05	8.12E-07	1.6248E-06	3.0609E-05	3.2234E-05	1.6248E-06	8.46474E-06	1.009E-05
Hauling		0	0	0	0	0	0	0	0	0	0
Total		**7.6507E-05**	**0.00020481**	**0.0007782**	**8.124E-07**	**1.6248E-06**	**0.00018481**	**0.00018643**	**1.6248E-06**	**4.45809E-05**	**4.6206E-05**
TOTAL		***0.0005***	***0.0049***	***0.0093***	***0.0000***	***0.0001***	***0.0002***	***0.0003***	***0.0001***	***0.0000***	***0.0002***

Left Turn Lane: Rough Grading

		ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2026**										
Off-Road Equipment		0.00050446	0.00516574	0.0095407	1.341E-05	0.00017395		0.00017395	0.00016003		0.00016003
st From Material Movement							0	0		0	0
Onsite Truck		0	0	0	0	0	0	0	0	0	0
Total		**0.00050446**	**0.00516574**	**0.0095407**	**1.341E-05**	**0.00017395**	**0**	**0.00017395**	**0.00016003**	**0**	**0.00016003**
Offsite											
Worker		0.000144694	0.00011672	0.0014519	0	0	0.0003084	0.0003084	0	7.22323E-05	7.2232E-05
Vendor		8.32025E-06	0.0002929	0.0001044	1.625E-06	3.2496E-06	6.1219E-05	6.4468E-05	3.2496E-06	1.69295E-05	2.0179E-05
Hauling		0	0	0	0	0	0	0	0	0	0
Total		**0.000153014**	**0.00040962**	**0.0015564**	**1.625E-06**	**3.2496E-06**	**0.00036962**	**0.00037287**	**3.2496E-06**	**8.91617E-05**	**9.2411E-05**
TOTAL		***0.0007***	***0.0056***	***0.0111***	***0.0000***	***0.0002***	***0.0004***	***0.0005***	***0.0002***	***0.0001***	***0.0003***

Left Turn Lane: Fine Grading

		ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2026**										
Off-Road Equipment		0.00025223	0.00258287	0.0047704	6.705E-06	8.6974E-05		8.6974E-05	8.0016E-05		8.0016E-05
st From Material Movement							0	0		0	0
Onsite Truck		0	0	0	0	0	0	0	0	0	0
Total		**0.00025223**	**0.00258287**	**0.0047704**	**6.705E-06**	**8.6974E-05**	**0**	**8.6974E-05**	**8.0016E-05**	**0**	**8.0016E-05**
Offsite											
Worker		7.23469E-05	5.8361E-05	0.000726	0	0	0.0001542	0.0001542	0	3.61161E-05	3.6116E-05
Vendor		4.16012E-06	0.00014645	5.221E-05	8.12E-07	1.6248E-06	3.0609E-05	3.2234E-05	1.6248E-06	8.46474E-06	1.009E-05
Hauling		0	0	0	0	0	0	0	0	0	0
Total		**7.6507E-05**	**0.00020481**	**0.0007782**	**8.124E-07**	**1.6248E-06**	**0.00018481**	**0.00018643**	**1.6248E-06**	**4.45809E-05**	**4.6206E-05**
TOTAL		***0.0003***	***0.0028***	***0.0055***	***0.0000***	***0.0001***	***0.0002***	***0.0003***	***0.0001***	***0.0000***	***0.0001***

Left Turn Lane: Asphalt Paving

		ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2026**										
Off-Road Equipment		0.002277091	0.01933555	0.0139111	3.077E-05	0.00113595		0.00113595	0.00104508		0.00104508
Paving		0.00024976									
Onsite Truck		0	0	0	0	0	0	0	0	0	0
Total		**0.002526851**	**0.01933555**	**0.0139111**	**3.077E-05**	**0.00113595**	**0**	**0.00113595**	**0.00104508**	**0**	**0.00104508**
Offsite											
Worker		0.00010852	8.7541E-05	0.001089	0	0	0.0002313	0.0002313	0	5.41742E-05	5.4174E-05
Vendor		1.66405E-05	0.00058579	0.0002088	3.25E-06	6.4992E-06	0.00012244	0.00012894	6.4992E-06	3.3859E-05	4.0358E-05
Hauling		0	0	0	0	0	0	0	0	0	0
Total		**0.000125161**	**0.00067333**	**0.0012978**	**3.25E-06**	**6.4992E-06**	**0.00035374**	**0.00036024**	**6.4992E-06**	**8.80332E-05**	**9.4532E-05**
TOTAL		***0.0027***	***0.0200***	***0.0152***	***0.0000***	***0.0011***	***0.0004***	***0.0015***	***0.0011***	***0.0001***	***0.0011***

Left Turn Lane: Architectural Coating

		ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2026**										
Off-Road Equipment		6.01543E-05	0.00042823	0.0005664	8.63E-07	1.1577E-05		1.1577E-05	1.0651E-05		1.0651E-05
Architectural Coatings		0.001154447									
Onsite truck		0	0	0	0	0	0	0	0	0	0
Total		**0.001214601**	**0.00042823**	**0.0005664**	**8.629E-07**	**1.1577E-05**	**0**	**1.1577E-05**	**1.0651E-05**	**0**	**1.0651E-05**
Offsite											
Worker		1.44694E-05	1.1672E-05	0.0001452	0	0	3.084E-05	3.084E-05	0	7.22323E-06	7.2232E-06
Vendor		0	0	0	0	0	0	0	0	0	0
Hauling		0	0	0	0	0	0	0	0	0	0
Total		**1.44694E-05**	**1.1672E-05**	**0.0001452**	**0**	**0**	**3.084E-05**	**3.084E-05**	**0**	**7.22323E-06**	**7.2232E-06**
TOTAL		***0.0012***	***0.0004***	***0.0007***	***0.0000***	***0.0000***	***0.0000***	***0.0000***	***0.0000***	***0.0000***	***0.0000***

Traffic Signatl Installation: Utility Trenching

		ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2026**										
Off-Road Equipment		0.000302676	0.00309944	0.0057244	8.046E-06	0.00010437		0.00010437	9.602E-05		9.602E-05
Onsite Truck		0	0	0	0	0	0	0	0	0	0
Total		**0.000302676**	**0.00309944**	**0.0057244**	**8.046E-06**	**0.00010437**	**0**	**0.00010437**	**9.602E-05**	**0**	**9.602E-05**
Offsite											
Worker		0.000467204	0.00049921	0.0062107	0	0	0.00144982	0.00144982	0	0.00033957	0.00033957
Vendor		1.94889E-05	0.00074957	0.0002345	4.674E-06	9.3476E-06	0.0001761	0.00018544	9.3476E-06	4.86981E-05	5.8046E-05
Hauling		0	0	0	0	0	0	0	0	0	0
Total		**0.000486692**	**0.00124879**	**0.0064452**	**4.674E-06**	**9.3476E-06**	**0.00162591**	**0.00163526**	**9.3476E-06**	**0.000388268**	**0.00039762**
TOTAL		***0.0008***	***0.0043***	***0.0122***	***0.0000***	***0.0001***	***0.0016***	***0.0017***	***0.0001***	***0.0004***	***0.0005***

Traffic Signal Installation: Traffic Signal Intall

		ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2026**										
Off-Road Equipment		0.000370884	0.00344734	0.0030731	9.145E-06	0.00014128		0.00014128	0.00012998		0.00012998
Onsite Truck		0	0	0	0	0	0	0	0	0	0
Total		**0.000370884**	**0.00344734**	**0.0030731**	**9.145E-06**	**0.00014128**	**0**	**0.00014128**	**0.00012998**	**0**	**0.00012998**
Offsite											
Worker		0.000155735	0.0001664	0.0020702	0	0	0.00048327	0.00048327	0	0.00011319	0.00011319
Vendor		1.94889E-05	0.00074957	0.0002345	4.674E-06	9.3476E-06	0.0001761	0.00018544	9.3476E-06	4.86981E-05	5.8046E-05
Hauling		0	0	0	0	0	0	0	0	0	0
Total		**0.000175223**	**0.00091598**	**0.0023047**	**4.674E-06**	**9.3476E-06**	**0.00065937**	**0.00066872**	**9.3476E-06**	**0.000161888**	**0.00017124**
TOTAL		***0.0005***	***0.0044***	***0.0054***	***0.0000***	***0.0002***	***0.0007***	***0.0008***	***0.0001***	***0.0002***	***0.0003***

Construction Year 1

Year	Onsite Emission Rate (g/s)	Offsite Emission Rate (g/s)
Year 1	3.87E-03	6.77E-05
Year 2	2.97E-03	1.98E-05

Receptor		AERMOD Pollutant		Emission Rates		Calculated Pollutant Concentration		
X	Y	On-site Concentration (ug/m3)	Off-site Concentration (ug/m3)	On-site Emission Rate (g/s)	Off-site Emission Rate (g/s)	On-site Concentration (ug/m3)	Off-site Concentration (ug/m3)	Total Concentration (ug/m3)
309008.97	3917020.62	2.13216	0.05472	3.87E-03	6.77E-05	8.25E-03	3.71E-06	8.26E-03
309018.97	3917020.62	2.16145	0.05584	3.87E-03	6.77E-05	8.37E-03	3.78E-06	8.37E-03
309028.97	3917020.62	2.19145	0.05699	3.87E-03	6.77E-05	8.48E-03	3.86E-06	8.49E-03
309038.97	3917020.62	2.22311	0.05816	3.87E-03	6.77E-05	8.61E-03	3.94E-06	8.61E-03
309048.97	3917020.62	2.25597	0.05936	3.87E-03	6.77E-05	8.73E-03	4.02E-06	8.74E-03
309058.97	3917020.62	2.28932	0.0606	3.87E-03	6.77E-05	8.86E-03	4.10E-06	8.87E-03
309068.97	3917020.62	2.32277	0.06186	3.87E-03	6.77E-05	8.99E-03	4.19E-06	9.00E-03
309078.97	3917020.62	2.35633	0.06314	3.87E-03	6.77E-05	9.12E-03	4.28E-06	9.13E-03
309088.97	3917020.62	2.3914	0.06446	3.87E-03	6.77E-05	9.26E-03	4.36E-06	9.26E-03
309098.97	3917020.62	2.42799	0.06581	3.87E-03	6.77E-05	9.40E-03	4.46E-06	9.40E-03
309108.97	3917020.62	2.46571	0.06718	3.87E-03	6.77E-05	9.55E-03	4.55E-06	9.55E-03
309118.97	3917020.62	2.50385	0.06858	3.87E-03	6.77E-05	9.69E-03	4.64E-06	9.70E-03
309128.97	3917020.62	2.54249	0.07002	3.87E-03	6.77E-05	9.84E-03	4.74E-06	9.85E-03
309008.97	3917030.62	2.16515	0.0561	3.87E-03	6.77E-05	8.38E-03	3.80E-06	8.39E-03
309018.97	3917030.62	2.1962	0.05726	3.87E-03	6.77E-05	8.50E-03	3.88E-06	8.51E-03
309028.97	3917030.62	2.22842	0.05845	3.87E-03	6.77E-05	8.63E-03	3.96E-06	8.63E-03
309038.97	3917030.62	2.26111	0.05967	3.87E-03	6.77E-05	8.75E-03	4.04E-06	8.76E-03
309048.97	3917030.62	2.29388	0.06092	3.87E-03	6.77E-05	8.88E-03	4.12E-06	8.88E-03
309058.97	3917030.62	2.32709	0.0622	3.87E-03	6.77E-05	9.01E-03	4.21E-06	9.01E-03
309068.97	3917030.62	2.36134	0.06351	3.87E-03	6.77E-05	9.14E-03	4.30E-06	9.15E-03
309078.97	3917030.62	2.39699	0.06485	3.87E-03	6.77E-05	9.28E-03	4.39E-06	9.28E-03
309088.97	3917030.62	2.43391	0.06621	3.87E-03	6.77E-05	9.42E-03	4.48E-06	9.43E-03
309098.97	3917030.62	2.47158	0.06761	3.87E-03	6.77E-05	9.57E-03	4.58E-06	9.57E-03
309108.97	3917030.62	2.50958	0.06903	3.87E-03	6.77E-05	9.71E-03	4.67E-06	9.72E-03
309118.97	3917030.62	2.54888	0.07049	3.87E-03	6.77E-05	9.87E-03	4.77E-06	9.87E-03
309128.97	3917030.62	2.58965	0.07197	3.87E-03	6.77E-05	1.00E-02	4.87E-06	1.00E-02
309008.97	3917040.62	2.19946	0.05754	3.87E-03	6.77E-05	8.51E-03	3.90E-06	8.52E-03
309018.97	3917040.62	2.23144	0.05875	3.87E-03	6.77E-05	8.64E-03	3.98E-06	8.64E-03
309028.97	3917040.62	2.264	0.05999	3.87E-03	6.77E-05	8.76E-03	4.06E-06	8.77E-03
309038.97	3917040.62	2.29692	0.06126	3.87E-03	6.77E-05	8.89E-03	4.15E-06	8.90E-03
309048.97	3917040.62	2.33065	0.06256	3.87E-03	6.77E-05	9.02E-03	4.24E-06	9.03E-03
309058.97	3917040.62	2.36524	0.06389	3.87E-03	6.77E-05	9.16E-03	4.33E-06	9.16E-03
309068.97	3917040.62	2.40134	0.06525	3.87E-03	6.77E-05	9.30E-03	4.42E-06	9.30E-03
309078.97	3917040.62	2.43846	0.06663	3.87E-03	6.77E-05	9.44E-03	4.51E-06	9.44E-03
309088.97	3917040.62	2.47599	0.06805	3.87E-03	6.77E-05	9.58E-03	4.61E-06	9.59E-03
309098.97	3917040.62	2.51453	0.0695	3.87E-03	6.77E-05	9.73E-03	4.71E-06	9.74E-03
309108.97	3917040.62	2.55449	0.07098	3.87E-03	6.77E-05	9.89E-03	4.81E-06	9.89E-03
309118.97	3917040.62	2.59563	0.07248	3.87E-03	6.77E-05	1.00E-02	4.91E-06	1.01E-02
309128.97	3917040.62	2.6378	0.07402	3.87E-03	6.77E-05	1.02E-02	5.01E-06	1.02E-02
308938.97	3917060.62	2.05174	0.05231	3.87E-03	6.77E-05	7.94E-03	3.54E-06	7.95E-03
308948.97	3917060.62	2.08043	0.05341	3.87E-03	6.77E-05	8.05E-03	3.62E-06	8.06E-03
308958.97	3917060.62	2.10956	0.05454	3.87E-03	6.77E-05	8.17E-03	3.69E-06	8.17E-03
308968.97	3917060.62	2.13954	0.05569	3.87E-03	6.77E-05	8.28E-03	3.77E-06	8.29E-03
308978.97	3917060.62	2.17028	0.05688	3.87E-03	6.77E-05	8.40E-03	3.85E-06	8.41E-03
308988.97	3917060.62	2.20183	0.0581	3.87E-03	6.77E-05	8.52E-03	3.93E-06	8.53E-03
308998.97	3917060.62	2.23391	0.05935	3.87E-03	6.77E-05	8.65E-03	4.02E-06	8.65E-03
309008.97	3917060.62	2.26644	0.06063	3.87E-03	6.77E-05	8.77E-03	4.11E-06	8.78E-03
309018.97	3917060.62	2.29973	0.06194	3.87E-03	6.77E-05	8.90E-03	4.19E-06	8.91E-03
309028.97	3917060.62	2.33415	0.06328	3.87E-03	6.77E-05	9.04E-03	4.28E-06	9.04E-03
309038.97	3917060.62	2.36986	0.06466	3.87E-03	6.77E-05	9.17E-03	4.38E-06	9.18E-03
309048.97	3917060.62	2.40675	0.06607	3.87E-03	6.77E-05	9.32E-03	4.47E-06	9.32E-03
309058.97	3917060.62	2.44421	0.0675	3.87E-03	6.77E-05	9.46E-03	4.57E-06	9.47E-03
309068.97	3917060.62	2.48219	0.06897	3.87E-03	6.77E-05	9.61E-03	4.67E-06	9.61E-03
309078.97	3917060.62	2.52045	0.07047	3.87E-03	6.77E-05	9.76E-03	4.77E-06	9.76E-03
309088.97	3917060.62	2.55988	0.072	3.87E-03	6.77E-05	9.91E-03	4.88E-06	9.91E-03
309098.97	3917060.62	2.60091	0.07356	3.87E-03	6.77E-05	1.01E-02	4.98E-06	1.01E-02
309108.97	3917060.62	2.64385	0.07515	3.87E-03	6.77E-05	1.02E-02	5.09E-06	1.02E-02
309118.97	3917060.62	2.68825	0.07677	3.87E-03	6.77E-05	1.04E-02	5.20E-06	1.04E-02
309128.97	3917060.62	2.73335	0.07841	3.87E-03	6.77E-05	1.06E-02	5.31E-06	1.06E-02
308938.97	3917070.62	2.07959	0.05362	3.87E-03	6.77E-05	8.05E-03	3.63E-06	8.05E-03
308948.97	3917070.62	2.10931	0.05476	3.87E-03	6.77E-05	8.17E-03	3.71E-06	8.17E-03
308958.97	3917070.62	2.13941	0.05594	3.87E-03	6.77E-05	8.28E-03	3.79E-06	8.29E-03
308968.97	3917070.62	2.17005	0.05714	3.87E-03	6.77E-05	8.40E-03	3.87E-06	8.40E-03
308978.97	3917070.62	2.20111	0.05838	3.87E-03	6.77E-05	8.52E-03	3.95E-06	8.52E-03
308988.97	3917070.62	2.23291	0.05965	3.87E-03	6.77E-05	8.64E-03	4.04E-06	8.65E-03
308998.97	3917070.62	2.26569	0.06095	3.87E-03	6.77E-05	8.77E-03	4.13E-06	8.77E-03
309008.97	3917070.62	2.29949	0.06229	3.87E-03	6.77E-05	8.90E-03	4.22E-06	8.91E-03
309018.97	3917070.62	2.3344	0.06366	3.87E-03	6.77E-05	9.04E-03	4.31E-06	9.04E-03
309028.97	3917070.62	2.37042	0.06506	3.87E-03	6.77E-05	9.18E-03	4.41E-06	9.18E-03
309038.97	3917070.62	2.40705	0.06649	3.87E-03	6.77E-05	9.32E-03	4.50E-06	9.32E-03
309048.97	3917070.62	2.44414	0.06795	3.87E-03	6.77E-05	9.46E-03	4.60E-06	9.47E-03
309058.97	3917070.62	2.48161	0.06945	3.87E-03	6.77E-05	9.61E-03	4.70E-06	9.61E-03
309068.97	3917070.62	2.52049	0.07098	3.87E-03	6.77E-05	9.76E-03	4.81E-06	9.76E-03
309078.97	3917070.62	2.56071	0.07254	3.87E-03	6.77E-05	9.91E-03	4.91E-06	9.92E-03

309088.97	3917070.62	2.60272	0.07413	3.87E-03	6.77E-05	1.01E-02	5.02E-06	1.01E-02
309098.97	3917070.62	2.64594	0.07575	3.87E-03	6.77E-05	1.02E-02	5.13E-06	1.02E-02
309108.97	3917070.62	2.69015	0.0774	3.87E-03	6.77E-05	1.04E-02	5.24E-06	1.04E-02
309118.97	3917070.62	2.73525	0.07908	3.87E-03	6.77E-05	1.06E-02	5.35E-06	1.06E-02
309128.97	3917070.62	2.7815	0.08078	3.87E-03	6.77E-05	1.08E-02	5.47E-06	1.08E-02
308938.97	3917080.62	2.10831	0.05498	3.87E-03	6.77E-05	8.16E-03	3.72E-06	8.17E-03
308948.97	3917080.62	2.13852	0.05617	3.87E-03	6.77E-05	8.28E-03	3.80E-06	8.28E-03
308958.97	3917080.62	2.16882	0.0574	3.87E-03	6.77E-05	8.40E-03	3.89E-06	8.40E-03
308968.97	3917080.62	2.19975	0.05866	3.87E-03	6.77E-05	8.52E-03	3.97E-06	8.52E-03
308978.97	3917080.62	2.23154	0.05996	3.87E-03	6.77E-05	8.64E-03	4.06E-06	8.64E-03
308988.97	3917080.62	2.2645	0.06128	3.87E-03	6.77E-05	8.77E-03	4.15E-06	8.77E-03
308998.97	3917080.62	2.29886	0.06264	3.87E-03	6.77E-05	8.90E-03	4.24E-06	8.90E-03
309008.97	3917080.62	2.33384	0.06403	3.87E-03	6.77E-05	9.03E-03	4.34E-06	9.04E-03
309018.97	3917080.62	2.36941	0.06546	3.87E-03	6.77E-05	9.17E-03	4.43E-06	9.18E-03
309028.97	3917080.62	2.40515	0.06692	3.87E-03	6.77E-05	9.31E-03	4.53E-06	9.32E-03
309038.97	3917080.62	2.44183	0.06841	3.87E-03	6.77E-05	9.45E-03	4.63E-06	9.46E-03
309048.97	3917080.62	2.48006	0.06994	3.87E-03	6.77E-05	9.60E-03	4.74E-06	9.61E-03
309058.97	3917080.62	2.51987	0.0715	3.87E-03	6.77E-05	9.75E-03	4.84E-06	9.76E-03
309068.97	3917080.62	2.56168	0.07308	3.87E-03	6.77E-05	9.92E-03	4.95E-06	9.92E-03
309078.97	3917080.62	2.6038	0.07471	3.87E-03	6.77E-05	1.01E-02	5.06E-06	1.01E-02
309088.97	3917080.62	2.6467	0.07636	3.87E-03	6.77E-05	1.02E-02	5.17E-06	1.03E-02
309098.97	3917080.62	2.6901	0.07805	3.87E-03	6.77E-05	1.04E-02	5.28E-06	1.04E-02
309108.97	3917080.62	2.73465	0.07976	3.87E-03	6.77E-05	1.06E-02	5.40E-06	1.06E-02
309118.97	3917080.62	2.78071	0.0815	3.87E-03	6.77E-05	1.08E-02	5.52E-06	1.08E-02
309128.97	3917080.62	2.82845	0.08328	3.87E-03	6.77E-05	1.09E-02	5.64E-06	1.10E-02
308938.97	3917090.62	2.13502	0.0564	3.87E-03	6.77E-05	8.26E-03	3.82E-06	8.27E-03
308948.97	3917090.62	2.16569	0.05765	3.87E-03	6.77E-05	8.38E-03	3.90E-06	8.39E-03
308958.97	3917090.62	2.19704	0.05894	3.87E-03	6.77E-05	8.51E-03	3.99E-06	8.51E-03
308968.97	3917090.62	2.22944	0.06026	3.87E-03	6.77E-05	8.63E-03	4.08E-06	8.63E-03
308978.97	3917090.62	2.2625	0.06161	3.87E-03	6.77E-05	8.76E-03	4.17E-06	8.76E-03
308988.97	3917090.62	2.29637	0.06299	3.87E-03	6.77E-05	8.89E-03	4.26E-06	8.89E-03
308998.97	3917090.62	2.33102	0.06441	3.87E-03	6.77E-05	9.02E-03	4.36E-06	9.03E-03
309008.97	3917090.62	2.36621	0.06587	3.87E-03	6.77E-05	9.16E-03	4.46E-06	9.16E-03
309018.97	3917090.62	2.40229	0.06736	3.87E-03	6.77E-05	9.30E-03	4.56E-06	9.30E-03
309028.97	3917090.62	2.43962	0.06888	3.87E-03	6.77E-05	9.44E-03	4.66E-06	9.45E-03
309038.97	3917090.62	2.47836	0.07044	3.87E-03	6.77E-05	9.59E-03	4.77E-06	9.60E-03
309048.97	3917090.62	2.51892	0.07203	3.87E-03	6.77E-05	9.75E-03	4.88E-06	9.76E-03
309058.97	3917090.62	2.56013	0.07366	3.87E-03	6.77E-05	9.91E-03	4.99E-06	9.92E-03
309068.97	3917090.62	2.60223	0.0753	3.87E-03	6.77E-05	1.01E-02	5.10E-06	1.01E-02
309078.97	3917090.62	2.64432	0.07699	3.87E-03	6.77E-05	1.02E-02	5.21E-06	1.02E-02
309088.97	3917090.62	2.68758	0.07872	3.87E-03	6.77E-05	1.04E-02	5.33E-06	1.04E-02
309098.97	3917090.62	2.73211	0.08047	3.87E-03	6.77E-05	1.06E-02	5.45E-06	1.06E-02
309108.97	3917090.62	2.77855	0.08225	3.87E-03	6.77E-05	1.08E-02	5.57E-06	1.08E-02
309118.97	3917090.62	2.82628	0.08406	3.87E-03	6.77E-05	1.09E-02	5.69E-06	1.09E-02
309128.97	3917090.62	2.87569	0.08591	3.87E-03	6.77E-05	1.11E-02	5.82E-06	1.11E-02
308888.97	3917100.62	2.01438	0.05189	3.87E-03	6.77E-05	7.80E-03	3.51E-06	7.80E-03
308898.97	3917100.62	2.04245	0.05303	3.87E-03	6.77E-05	7.91E-03	3.59E-06	7.91E-03
308908.97	3917100.62	2.07096	0.0542	3.87E-03	6.77E-05	8.02E-03	3.67E-06	8.02E-03
308918.97	3917100.62	2.10034	0.0554	3.87E-03	6.77E-05	8.13E-03	3.75E-06	8.13E-03
308938.97	3917100.62	2.16181	0.05791	3.87E-03	6.77E-05	8.37E-03	3.92E-06	8.37E-03
308948.97	3917100.62	2.19379	0.05921	3.87E-03	6.77E-05	8.49E-03	4.01E-06	8.50E-03
308958.97	3917100.62	2.22622	0.06056	3.87E-03	6.77E-05	8.62E-03	4.10E-06	8.62E-03
308968.97	3917100.62	2.25926	0.06194	3.87E-03	6.77E-05	8.75E-03	4.19E-06	8.75E-03
308978.97	3917100.62	2.29271	0.06335	3.87E-03	6.77E-05	8.88E-03	4.29E-06	8.88E-03
308988.97	3917100.62	2.32729	0.0648	3.87E-03	6.77E-05	9.01E-03	4.39E-06	9.01E-03
308998.97	3917100.62	2.36286	0.06628	3.87E-03	6.77E-05	9.15E-03	4.49E-06	9.15E-03
309008.97	3917100.62	2.39956	0.0678	3.87E-03	6.77E-05	9.29E-03	4.59E-06	9.29E-03
309018.97	3917100.62	2.43741	0.06936	3.87E-03	6.77E-05	9.44E-03	4.70E-06	9.44E-03
309028.97	3917100.62	2.47623	0.07095	3.87E-03	6.77E-05	9.59E-03	4.80E-06	9.59E-03
309038.97	3917100.62	2.5156	0.07258	3.87E-03	6.77E-05	9.74E-03	4.91E-06	9.74E-03
309048.97	3917100.62	2.55608	0.07424	3.87E-03	6.77E-05	9.89E-03	5.03E-06	9.90E-03
309058.97	3917100.62	2.59726	0.07593	3.87E-03	6.77E-05	1.01E-02	5.14E-06	1.01E-02
309068.97	3917100.62	2.63968	0.07765	3.87E-03	6.77E-05	1.02E-02	5.26E-06	1.02E-02
309078.97	3917100.62	2.68312	0.07942	3.87E-03	6.77E-05	1.04E-02	5.38E-06	1.04E-02
309088.97	3917100.62	2.72827	0.08121	3.87E-03	6.77E-05	1.06E-02	5.50E-06	1.06E-02
309098.97	3917100.62	2.77506	0.08303	3.87E-03	6.77E-05	1.07E-02	5.62E-06	1.07E-02
309108.97	3917100.62	2.82335	0.08489	3.87E-03	6.77E-05	1.09E-02	5.75E-06	1.09E-02
309118.97	3917100.62	2.87301	0.08677	3.87E-03	6.77E-05	1.11E-02	5.88E-06	1.11E-02
309128.97	3917100.62	2.92402	0.08868	3.87E-03	6.77E-05	1.13E-02	6.00E-06	1.13E-02
308888.97	3917110.62	2.03611	0.0532	3.87E-03	6.77E-05	7.88E-03	3.60E-06	7.89E-03
308898.97	3917110.62	2.06521	0.05439	3.87E-03	6.77E-05	7.99E-03	3.68E-06	8.00E-03
308908.97	3917110.62	2.09531	0.05561	3.87E-03	6.77E-05	8.11E-03	3.77E-06	8.12E-03
308918.97	3917110.62	2.12605	0.05687	3.87E-03	6.77E-05	8.23E-03	3.85E-06	8.23E-03
308938.97	3917110.62	2.18903	0.05949	3.87E-03	6.77E-05	8.47E-03	4.03E-06	8.48E-03
308948.97	3917110.62	2.22146	0.06085	3.87E-03	6.77E-05	8.60E-03	4.12E-06	8.60E-03
308958.97	3917110.62	2.25462	0.06226	3.87E-03	6.77E-05	8.73E-03	4.22E-06	8.73E-03
308968.97	3917110.62	2.28839	0.0637	3.87E-03	6.77E-05	8.86E-03	4.31E-06	8.86E-03
308978.97	3917110.62	2.32325	0.06518	3.87E-03	6.77E-05	8.99E-03	4.41E-06	9.00E-03
308988.97	3917110.62	2.35897	0.06669	3.87E-03	6.77E-05	9.13E-03	4.52E-06	9.14E-03
308998.97	3917110.62	2.39543	0.06825	3.87E-03	6.77E-05	9.27E-03	4.62E-06	9.28E-03
309008.97	3917110.62	2.43276	0.06984	3.87E-03	6.77E-05	9.42E-03	4.73E-06	9.42E-03
309018.97	3917110.62	2.47076	0.07147	3.87E-03	6.77E-05	9.56E-03	4.84E-06	9.57E-03
309028.97	3917110.62	2.50993	0.07313	3.87E-03	6.77E-05	9.72E-03	4.95E-06	9.72E-03
309038.97	3917110.62	2.54995	0.07483	3.87E-03	6.77E-05	9.87E-03	5.07E-06	9.88E-03
309048.97	3917110.62	2.59154	0.07657	3.87E-03	6.77E-05	1.00E-02	5.18E-06	1.00E-02
309058.97	3917110.62	2.63419	0.07834	3.87E-03	6.77E-05	1.02E-02	5.30E-06	1.02E-02

309068.97	3917110.62	2.67844	0.08014	3.87E-03	6.77E-05	1.04E-02	5.43E-06	1.04E-02
309078.97	3917110.62	2.72386	0.08198	3.87E-03	6.77E-05	1.05E-02	5.55E-06	1.06E-02
309088.97	3917110.62	2.77073	0.08384	3.87E-03	6.77E-05	1.07E-02	5.68E-06	1.07E-02
309098.97	3917110.62	2.81888	0.08574	3.87E-03	6.77E-05	1.09E-02	5.81E-06	1.09E-02
309108.97	3917110.62	2.86833	0.08767	3.87E-03	6.77E-05	1.11E-02	5.94E-06	1.11E-02
309118.97	3917110.62	2.91874	0.08963	3.87E-03	6.77E-05	1.13E-02	6.07E-06	1.13E-02
309128.97	3917110.62	2.97033	0.09161	3.87E-03	6.77E-05	1.15E-02	6.20E-06	1.15E-02
308888.97	3917120.62	2.06007	0.05457	3.87E-03	6.77E-05	7.97E-03	3.69E-06	7.98E-03
308898.97	3917120.62	2.09002	0.05581	3.87E-03	6.77E-05	8.09E-03	3.78E-06	8.09E-03
308908.97	3917120.62	2.12041	0.0571	3.87E-03	6.77E-05	8.21E-03	3.87E-06	8.21E-03
308918.97	3917120.62	2.15118	0.05841	3.87E-03	6.77E-05	8.33E-03	3.95E-06	8.33E-03
308938.97	3917120.62	2.21456	0.06116	3.87E-03	6.77E-05	8.57E-03	4.14E-06	8.58E-03
308948.97	3917120.62	2.24748	0.06259	3.87E-03	6.77E-05	8.70E-03	4.24E-06	8.70E-03
308958.97	3917120.62	2.28137	0.06405	3.87E-03	6.77E-05	8.83E-03	4.34E-06	8.84E-03
308968.97	3917120.62	2.3161	0.06556	3.87E-03	6.77E-05	8.97E-03	4.44E-06	8.97E-03
308978.97	3917120.62	2.35183	0.06711	3.87E-03	6.77E-05	9.10E-03	4.54E-06	9.11E-03
308988.97	3917120.62	2.38834	0.0687	3.87E-03	6.77E-05	9.25E-03	4.65E-06	9.25E-03
308998.97	3917120.62	2.42563	0.07033	3.87E-03	6.77E-05	9.39E-03	4.76E-06	9.39E-03
309008.97	3917120.62	2.46407	0.07199	3.87E-03	6.77E-05	9.54E-03	4.87E-06	9.54E-03
309018.97	3917120.62	2.50355	0.0737	3.87E-03	6.77E-05	9.69E-03	4.99E-06	9.70E-03
309028.97	3917120.62	2.54408	0.07544	3.87E-03	6.77E-05	9.85E-03	5.11E-06	9.85E-03
309038.97	3917120.62	2.5857	0.07722	3.87E-03	6.77E-05	1.00E-02	5.23E-06	1.00E-02
309048.97	3917120.62	2.62852	0.07904	3.87E-03	6.77E-05	1.02E-02	5.35E-06	1.02E-02
309058.97	3917120.62	2.67253	0.08089	3.87E-03	6.77E-05	1.03E-02	5.48E-06	1.04E-02
309068.97	3917120.62	2.71778	0.08277	3.87E-03	6.77E-05	1.05E-02	5.60E-06	1.05E-02
309078.97	3917120.62	2.76403	0.08469	3.87E-03	6.77E-05	1.07E-02	5.73E-06	1.07E-02
309088.97	3917120.62	2.81161	0.08664	3.87E-03	6.77E-05	1.09E-02	5.87E-06	1.09E-02
309098.97	3917120.62	2.86035	0.08861	3.87E-03	6.77E-05	1.11E-02	6.00E-06	1.11E-02
309108.97	3917120.62	2.91026	0.09062	3.87E-03	6.77E-05	1.13E-02	6.14E-06	1.13E-02
309118.97	3917120.62	2.96173	0.09266	3.87E-03	6.77E-05	1.15E-02	6.27E-06	1.15E-02
309128.97	3917120.62	3.01518	0.09472	3.87E-03	6.77E-05	1.17E-02	6.41E-06	1.17E-02
308838.97	3917150.62	1.97785	0.05254	3.87E-03	6.77E-05	7.66E-03	3.56E-06	7.66E-03
308848.97	3917150.62	2.006	0.05378	3.87E-03	6.77E-05	7.77E-03	3.64E-06	7.77E-03
308858.97	3917150.62	2.03478	0.05506	3.87E-03	6.77E-05	7.88E-03	3.73E-06	7.88E-03
308868.97	3917150.62	2.06416	0.05638	3.87E-03	6.77E-05	7.99E-03	3.82E-06	7.99E-03
308878.97	3917150.62	2.09437	0.05773	3.87E-03	6.77E-05	8.11E-03	3.91E-06	8.11E-03
308888.97	3917150.62	2.12525	0.05913	3.87E-03	6.77E-05	8.23E-03	4.00E-06	8.23E-03
308898.97	3917150.62	2.15675	0.06056	3.87E-03	6.77E-05	8.35E-03	4.10E-06	8.35E-03
308908.97	3917150.62	2.18881	0.06204	3.87E-03	6.77E-05	8.47E-03	4.20E-06	8.48E-03
308918.97	3917150.62	2.22153	0.06356	3.87E-03	6.77E-05	8.60E-03	4.30E-06	8.60E-03
308928.97	3917150.62	2.25505	0.06513	3.87E-03	6.77E-05	8.73E-03	4.41E-06	8.73E-03
308938.97	3917150.62	2.28932	0.06674	3.87E-03	6.77E-05	8.86E-03	4.52E-06	8.87E-03
308948.97	3917150.62	2.32432	0.0684	3.87E-03	6.77E-05	9.00E-03	4.63E-06	9.00E-03
308958.97	3917150.62	2.36037	0.0701	3.87E-03	6.77E-05	9.14E-03	4.75E-06	9.14E-03
308968.97	3917150.62	2.39737	0.07185	3.87E-03	6.77E-05	9.28E-03	4.86E-06	9.29E-03
308978.97	3917150.62	2.43526	0.07365	3.87E-03	6.77E-05	9.43E-03	4.99E-06	9.43E-03
308988.97	3917150.62	2.47423	0.07549	3.87E-03	6.77E-05	9.58E-03	5.11E-06	9.58E-03
308998.97	3917150.62	2.51417	0.07737	3.87E-03	6.77E-05	9.73E-03	5.24E-06	9.74E-03
309008.97	3917150.62	2.55524	0.0793	3.87E-03	6.77E-05	9.89E-03	5.37E-06	9.90E-03
309018.97	3917150.62	2.59743	0.08127	3.87E-03	6.77E-05	1.01E-02	5.50E-06	1.01E-02
309028.97	3917150.62	2.64082	0.08328	3.87E-03	6.77E-05	1.02E-02	5.64E-06	1.02E-02
309038.97	3917150.62	2.6853	0.08533	3.87E-03	6.77E-05	1.04E-02	5.78E-06	1.04E-02
309048.97	3917150.62	2.73143	0.08741	3.87E-03	6.77E-05	1.06E-02	5.92E-06	1.06E-02
309058.97	3917150.62	2.77878	0.08953	3.87E-03	6.77E-05	1.08E-02	6.06E-06	1.08E-02
309068.97	3917150.62	2.82715	0.09168	3.87E-03	6.77E-05	1.09E-02	6.21E-06	1.10E-02
309078.97	3917150.62	2.87709	0.09387	3.87E-03	6.77E-05	1.11E-02	6.36E-06	1.11E-02
309088.97	3917150.62	2.92865	0.09608	3.87E-03	6.77E-05	1.13E-02	6.51E-06	1.13E-02
309098.97	3917150.62	2.98166	0.09833	3.87E-03	6.77E-05	1.15E-02	6.66E-06	1.15E-02
309108.97	3917150.62	3.03636	0.1006	3.87E-03	6.77E-05	1.18E-02	6.81E-06	1.18E-02
309118.97	3917150.62	3.09277	0.10289	3.87E-03	6.77E-05	1.20E-02	6.97E-06	1.20E-02
309128.97	3917150.62	3.15097	0.10521	3.87E-03	6.77E-05	1.22E-02	7.12E-06	1.22E-02
308838.97	3917160.62	1.99539	0.05391	3.87E-03	6.77E-05	7.72E-03	3.65E-06	7.73E-03
308848.97	3917160.62	2.02415	0.05521	3.87E-03	6.77E-05	7.84E-03	3.74E-06	7.84E-03
308858.97	3917160.62	2.05335	0.05655	3.87E-03	6.77E-05	7.95E-03	3.83E-06	7.95E-03
308868.97	3917160.62	2.08307	0.05793	3.87E-03	6.77E-05	8.06E-03	3.92E-06	8.07E-03
308878.97	3917160.62	2.11343	0.05935	3.87E-03	6.77E-05	8.18E-03	4.02E-06	8.19E-03
308888.97	3917160.62	2.14456	0.06082	3.87E-03	6.77E-05	8.30E-03	4.12E-06	8.31E-03
308898.97	3917160.62	2.17637	0.06233	3.87E-03	6.77E-05	8.43E-03	4.22E-06	8.43E-03
308908.97	3917160.62	2.20898	0.06388	3.87E-03	6.77E-05	8.55E-03	4.33E-06	8.56E-03
308918.97	3917160.62	2.2425	0.06549	3.87E-03	6.77E-05	8.68E-03	4.43E-06	8.69E-03
308928.97	3917160.62	2.27687	0.06714	3.87E-03	6.77E-05	8.81E-03	4.55E-06	8.82E-03
308938.97	3917160.62	2.31215	0.06883	3.87E-03	6.77E-05	8.95E-03	4.66E-06	8.96E-03
308948.97	3917160.62	2.34829	0.07058	3.87E-03	6.77E-05	9.09E-03	4.78E-06	9.10E-03
308958.97	3917160.62	2.38528	0.07237	3.87E-03	6.77E-05	9.23E-03	4.90E-06	9.24E-03
308968.97	3917160.62	2.42333	0.07422	3.87E-03	6.77E-05	9.38E-03	5.03E-06	9.39E-03
308978.97	3917160.62	2.46231	0.07611	3.87E-03	6.77E-05	9.53E-03	5.15E-06	9.54E-03
308988.97	3917160.62	2.50224	0.07804	3.87E-03	6.77E-05	9.69E-03	5.28E-06	9.69E-03
308998.97	3917160.62	2.54317	0.08003	3.87E-03	6.77E-05	9.84E-03	5.42E-06	9.85E-03
309008.97	3917160.62	2.5852	0.08205	3.87E-03	6.77E-05	1.00E-02	5.56E-06	1.00E-02
309018.97	3917160.62	2.62848	0.08412	3.87E-03	6.77E-05	1.02E-02	5.70E-06	1.02E-02
309028.97	3917160.62	2.67298	0.08624	3.87E-03	6.77E-05	1.03E-02	5.84E-06	1.04E-02
309038.97	3917160.62	2.71844	0.08838	3.87E-03	6.77E-05	1.05E-02	5.98E-06	1.05E-02
309048.97	3917160.62	2.76515	0.09057	3.87E-03	6.77E-05	1.07E-02	6.13E-06	1.07E-02
309058.97	3917160.62	2.81334	0.09279	3.87E-03	6.77E-05	1.09E-02	6.28E-06	1.09E-02
309068.97	3917160.62	2.86262	0.09505	3.87E-03	6.77E-05	1.11E-02	6.44E-06	1.11E-02
309078.97	3917160.62	2.91345	0.09733	3.87E-03	6.77E-05	1.13E-02	6.59E-06	1.13E-02

309088.97	3917160.62	2.96582	0.09965	3.87E-03	6.77E-05	1.15E-02	6.75E-06	1.15E-02
309098.97	3917160.62	3.01973	0.10199	3.87E-03	6.77E-05	1.17E-02	6.91E-06	1.17E-02
309108.97	3917160.62	3.07549	0.10435	3.87E-03	6.77E-05	1.19E-02	7.07E-06	1.19E-02
309118.97	3917160.62	3.13313	0.10674	3.87E-03	6.77E-05	1.21E-02	7.23E-06	1.21E-02
309128.97	3917160.62	3.19249	0.10915	3.87E-03	6.77E-05	1.24E-02	7.39E-06	1.24E-02
308838.97	3917170.62	2.01294	0.05534	3.87E-03	6.77E-05	7.79E-03	3.75E-06	7.80E-03
308848.97	3917170.62	2.04201	0.05671	3.87E-03	6.77E-05	7.90E-03	3.84E-06	7.91E-03
308858.97	3917170.62	2.07158	0.05812	3.87E-03	6.77E-05	8.02E-03	3.94E-06	8.02E-03
308868.97	3917170.62	2.10174	0.05957	3.87E-03	6.77E-05	8.14E-03	4.03E-06	8.14E-03
308878.97	3917170.62	2.13265	0.06107	3.87E-03	6.77E-05	8.26E-03	4.13E-06	8.26E-03
308888.97	3917170.62	2.16444	0.06261	3.87E-03	6.77E-05	8.38E-03	4.24E-06	8.38E-03
308898.97	3917170.62	2.19708	0.0642	3.87E-03	6.77E-05	8.51E-03	4.35E-06	8.51E-03
308908.97	3917170.62	2.23049	0.06584	3.87E-03	6.77E-05	8.63E-03	4.46E-06	8.64E-03
308918.97	3917170.62	2.26473	0.06753	3.87E-03	6.77E-05	8.77E-03	4.57E-06	8.77E-03
308928.97	3917170.62	2.29985	0.06927	3.87E-03	6.77E-05	8.90E-03	4.69E-06	8.91E-03
308938.97	3917170.62	2.33578	0.07106	3.87E-03	6.77E-05	9.04E-03	4.81E-06	9.05E-03
308948.97	3917170.62	2.37265	0.0729	3.87E-03	6.77E-05	9.18E-03	4.94E-06	9.19E-03
308958.97	3917170.62	2.41019	0.07479	3.87E-03	6.77E-05	9.33E-03	5.06E-06	9.34E-03
308968.97	3917170.62	2.44867	0.07673	3.87E-03	6.77E-05	9.48E-03	5.20E-06	9.48E-03
308978.97	3917170.62	2.48827	0.07873	3.87E-03	6.77E-05	9.63E-03	5.33E-06	9.64E-03
308988.97	3917170.62	2.52887	0.08077	3.87E-03	6.77E-05	9.79E-03	5.47E-06	9.80E-03
308998.97	3917170.62	2.57049	0.08286	3.87E-03	6.77E-05	9.95E-03	5.61E-06	9.96E-03
309008.97	3917170.62	2.61324	0.08499	3.87E-03	6.77E-05	1.01E-02	5.75E-06	1.01E-02
309018.97	3917170.62	2.65704	0.08717	3.87E-03	6.77E-05	1.03E-02	5.90E-06	1.03E-02
309028.97	3917170.62	2.70203	0.08939	3.87E-03	6.77E-05	1.05E-02	6.05E-06	1.05E-02
309038.97	3917170.62	2.7482	0.09165	3.87E-03	6.77E-05	1.06E-02	6.21E-06	1.06E-02
309048.97	3917170.62	2.79573	0.09395	3.87E-03	6.77E-05	1.08E-02	6.36E-06	1.08E-02
309058.97	3917170.62	2.84467	0.09628	3.87E-03	6.77E-05	1.10E-02	6.52E-06	1.10E-02
309068.97	3917170.62	2.89498	0.09864	3.87E-03	6.77E-05	1.12E-02	6.68E-06	1.12E-02
309078.97	3917170.62	2.94696	0.10103	3.87E-03	6.77E-05	1.14E-02	6.84E-06	1.14E-02
309088.97	3917170.62	3.00077	0.10345	3.87E-03	6.77E-05	1.16E-02	7.00E-06	1.16E-02
309098.97	3917170.62	3.05639	0.1059	3.87E-03	6.77E-05	1.18E-02	7.17E-06	1.18E-02
309108.97	3917170.62	3.11367	0.10836	3.87E-03	6.77E-05	1.21E-02	7.34E-06	1.21E-02
309118.97	3917170.62	3.17267	0.11085	3.87E-03	6.77E-05	1.23E-02	7.51E-06	1.23E-02
309128.97	3917170.62	3.23378	0.11336	3.87E-03	6.77E-05	1.25E-02	7.68E-06	1.25E-02
308838.97	3917180.62	2.02979	0.05686	3.87E-03	6.77E-05	7.86E-03	3.85E-06	7.86E-03
308848.97	3917180.62	2.05925	0.0583	3.87E-03	6.77E-05	7.97E-03	3.95E-06	7.98E-03
308858.97	3917180.62	2.08937	0.05978	3.87E-03	6.77E-05	8.09E-03	4.05E-06	8.09E-03
308868.97	3917180.62	2.12021	0.06131	3.87E-03	6.77E-05	8.21E-03	4.15E-06	8.21E-03
308878.97	3917180.62	2.15185	0.06288	3.87E-03	6.77E-05	8.33E-03	4.26E-06	8.33E-03
308888.97	3917180.62	2.18428	0.06451	3.87E-03	6.77E-05	8.46E-03	4.37E-06	8.46E-03
308898.97	3917180.62	2.21747	0.06618	3.87E-03	6.77E-05	8.58E-03	4.48E-06	8.59E-03
308908.97	3917180.62	2.25139	0.06791	3.87E-03	6.77E-05	8.72E-03	4.60E-06	8.72E-03
308918.97	3917180.62	2.28608	0.0697	3.87E-03	6.77E-05	8.85E-03	4.72E-06	8.85E-03
308928.97	3917180.62	2.32168	0.07153	3.87E-03	6.77E-05	8.99E-03	4.84E-06	8.99E-03
308938.97	3917180.62	2.35807	0.07343	3.87E-03	6.77E-05	9.13E-03	4.97E-06	9.13E-03
308948.97	3917180.62	2.39549	0.07537	3.87E-03	6.77E-05	9.27E-03	5.10E-06	9.28E-03
308958.97	3917180.62	2.43382	0.07737	3.87E-03	6.77E-05	9.42E-03	5.24E-06	9.43E-03
308968.97	3917180.62	2.47316	0.07942	3.87E-03	6.77E-05	9.57E-03	5.38E-06	9.58E-03
308978.97	3917180.62	2.51358	0.08153	3.87E-03	6.77E-05	9.73E-03	5.52E-06	9.74E-03
308988.97	3917180.62	2.55488	0.08369	3.87E-03	6.77E-05	9.89E-03	5.67E-06	9.90E-03
308998.97	3917180.62	2.59722	0.08589	3.87E-03	6.77E-05	1.01E-02	5.82E-06	1.01E-02
309008.97	3917180.62	2.64079	0.08814	3.87E-03	6.77E-05	1.02E-02	5.97E-06	1.02E-02
309018.97	3917180.62	2.68552	0.09043	3.87E-03	6.77E-05	1.04E-02	6.12E-06	1.04E-02
309028.97	3917180.62	2.73142	0.09277	3.87E-03	6.77E-05	1.06E-02	6.28E-06	1.06E-02
309038.97	3917180.62	2.77853	0.09515	3.87E-03	6.77E-05	1.08E-02	6.44E-06	1.08E-02
309048.97	3917180.62	2.8271	0.09756	3.87E-03	6.77E-05	1.09E-02	6.61E-06	1.10E-02
309058.97	3917180.62	2.87745	0.1	3.87E-03	6.77E-05	1.11E-02	6.77E-06	1.11E-02
309068.97	3917180.62	2.92939	0.10248	3.87E-03	6.77E-05	1.13E-02	6.94E-06	1.13E-02
309078.97	3917180.62	2.98292	0.10499	3.87E-03	6.77E-05	1.15E-02	7.11E-06	1.16E-02
309088.97	3917180.62	3.03825	0.10752	3.87E-03	6.77E-05	1.18E-02	7.28E-06	1.18E-02
309098.97	3917180.62	3.09527	0.11007	3.87E-03	6.77E-05	1.20E-02	7.45E-06	1.20E-02
309108.97	3917180.62	3.1539	0.11265	3.87E-03	6.77E-05	1.22E-02	7.63E-06	1.22E-02
309118.97	3917180.62	3.21468	0.11524	3.87E-03	6.77E-05	1.24E-02	7.80E-06	1.25E-02
309128.97	3917180.62	3.27761	0.11785	3.87E-03	6.77E-05	1.27E-02	7.98E-06	1.27E-02
308758.97	3917300.62	1.94767	0.06487	3.87E-03	6.77E-05	7.54E-03	4.39E-06	7.54E-03
308768.97	3917300.62	1.97564	0.06699	3.87E-03	6.77E-05	7.65E-03	4.54E-06	7.65E-03
308778.97	3917300.62	2.00452	0.06923	3.87E-03	6.77E-05	7.76E-03	4.69E-06	7.76E-03
308788.97	3917300.62	2.03408	0.07158	3.87E-03	6.77E-05	7.87E-03	4.85E-06	7.88E-03
308798.97	3917300.62	2.0643	0.07403	3.87E-03	6.77E-05	7.99E-03	5.01E-06	8.00E-03
308758.97	3917310.62	1.95716	0.06704	3.87E-03	6.77E-05	7.58E-03	4.54E-06	7.58E-03
308768.97	3917310.62	1.98514	0.06932	3.87E-03	6.77E-05	7.68E-03	4.69E-06	7.69E-03
308778.97	3917310.62	2.01399	0.07172	3.87E-03	6.77E-05	7.80E-03	4.86E-06	7.80E-03
308788.97	3917310.62	2.0435	0.07423	3.87E-03	6.77E-05	7.91E-03	5.03E-06	7.92E-03
308798.97	3917310.62	2.07369	0.07688	3.87E-03	6.77E-05	8.03E-03	5.21E-06	8.03E-03
308758.97	3917320.62	1.96568	0.06938	3.87E-03	6.77E-05	7.61E-03	4.70E-06	7.61E-03
308768.97	3917320.62	1.99392	0.07182	3.87E-03	6.77E-05	7.72E-03	4.86E-06	7.72E-03
308778.97	3917320.62	2.02295	0.0744	3.87E-03	6.77E-05	7.83E-03	5.04E-06	7.84E-03
308788.97	3917320.62	2.05262	0.07711	3.87E-03	6.77E-05	7.95E-03	5.22E-06	7.95E-03
308798.97	3917320.62	2.08302	0.07996	3.87E-03	6.77E-05	8.06E-03	5.41E-06	8.07E-03
308758.97	3917330.62	1.97302	0.0719	3.87E-03	6.77E-05	7.64E-03	4.87E-06	7.64E-03
308768.97	3917330.62	2.00133	0.07453	3.87E-03	6.77E-05	7.75E-03	5.05E-06	7.75E-03
308778.97	3917330.62	2.03039	0.0773	3.87E-03	6.77E-05	7.86E-03	5.23E-06	7.87E-03
308788.97	3917330.62	2.06011	0.08023	3.87E-03	6.77E-05	7.97E-03	5.43E-06	7.98E-03
308798.97	3917330.62	2.09042	0.08332	3.87E-03	6.77E-05	8.09E-03	5.64E-06	8.10E-03
308758.97	3917340.62	1.9821	0.07462	3.87E-03	6.77E-05	7.67E-03	5.05E-06	7.68E-03

308768.97	3917340.62	2.01055	0.07746	3.87E-03	6.77E-05	7.78E-03	5.24E-06	7.79E-03
308778.97	3917340.62	2.03968	0.08046	3.87E-03	6.77E-05	7.90E-03	5.45E-06	7.90E-03
308788.97	3917340.62	2.0696	0.08364	3.87E-03	6.77E-05	8.01E-03	5.66E-06	8.02E-03
308798.97	3917340.62	2.10029	0.08699	3.87E-03	6.77E-05	8.13E-03	5.89E-06	8.14E-03
308758.97	3917350.62	1.98905	0.07756	3.87E-03	6.77E-05	7.70E-03	5.25E-06	7.71E-03
308768.97	3917350.62	2.01777	0.08064	3.87E-03	6.77E-05	7.81E-03	5.46E-06	7.82E-03
308778.97	3917350.62	2.04702	0.0839	3.87E-03	6.77E-05	7.92E-03	5.68E-06	7.93E-03
308788.97	3917350.62	2.07708	0.08736	3.87E-03	6.77E-05	8.04E-03	5.92E-06	8.05E-03
308798.97	3917350.62	2.10787	0.09102	3.87E-03	6.77E-05	8.16E-03	6.16E-06	8.17E-03
308758.97	3917360.62	1.99715	0.08077	3.87E-03	6.77E-05	7.73E-03	5.47E-06	7.74E-03
308768.97	3917360.62	2.02594	0.08411	3.87E-03	6.77E-05	7.84E-03	5.70E-06	7.85E-03
308778.97	3917360.62	2.05546	0.08766	3.87E-03	6.77E-05	7.96E-03	5.94E-06	7.96E-03
308788.97	3917360.62	2.08564	0.09144	3.87E-03	6.77E-05	8.07E-03	6.19E-06	8.08E-03
308798.97	3917360.62	2.11655	0.09546	3.87E-03	6.77E-05	8.19E-03	6.46E-06	8.20E-03
308758.97	3917370.62	2.00445	0.08426	3.87E-03	6.77E-05	7.76E-03	5.71E-06	7.77E-03
308768.97	3917370.62	2.03342	0.08791	3.87E-03	6.77E-05	7.87E-03	5.95E-06	7.88E-03
308778.97	3917370.62	2.06305	0.0918	3.87E-03	6.77E-05	7.99E-03	6.22E-06	7.99E-03
308788.97	3917370.62	2.09344	0.09595	3.87E-03	6.77E-05	8.10E-03	6.50E-06	8.11E-03
308798.97	3917370.62	2.12468	0.10036	3.87E-03	6.77E-05	8.22E-03	6.80E-06	8.23E-03
308808.97	3917370.62	2.1568	0.10506	3.87E-03	6.77E-05	8.35E-03	7.11E-06	8.36E-03
308818.97	3917370.62	2.18976	0.11004	3.87E-03	6.77E-05	8.48E-03	7.45E-06	8.48E-03
308828.97	3917370.62	2.22352	0.11532	3.87E-03	6.77E-05	8.61E-03	7.81E-06	8.62E-03
308838.97	3917370.62	2.25806	0.12091	3.87E-03	6.77E-05	8.74E-03	8.19E-06	8.75E-03
308848.97	3917370.62	2.2932	0.12679	3.87E-03	6.77E-05	8.88E-03	8.58E-06	8.89E-03
308858.97	3917370.62	2.32912	0.13298	3.87E-03	6.77E-05	9.02E-03	9.00E-06	9.03E-03
308868.97	3917370.62	2.36611	0.13944	3.87E-03	6.77E-05	9.16E-03	9.44E-06	9.17E-03
308888.97	3917370.62	2.44348	0.15314	3.87E-03	6.77E-05	9.46E-03	1.04E-05	9.47E-03
308898.97	3917370.62	2.4839	0.16032	3.87E-03	6.77E-05	9.62E-03	1.09E-05	9.63E-03
308908.97	3917370.62	2.5255	0.16768	3.87E-03	6.77E-05	9.78E-03	1.14E-05	9.79E-03
308918.97	3917370.62	2.56821	0.17518	3.87E-03	6.77E-05	9.94E-03	1.19E-05	9.95E-03
308928.97	3917370.62	2.61178	0.18278	3.87E-03	6.77E-05	1.01E-02	1.24E-05	1.01E-02
308938.97	3917370.62	2.65648	0.19045	3.87E-03	6.77E-05	1.03E-02	1.29E-05	1.03E-02
308948.97	3917370.62	2.70247	0.19813	3.87E-03	6.77E-05	1.05E-02	1.34E-05	1.05E-02
308758.97	3917380.62	2.01195	0.08808	3.87E-03	6.77E-05	7.79E-03	5.96E-06	7.79E-03
308768.97	3917380.62	2.0413	0.09208	3.87E-03	6.77E-05	7.90E-03	6.23E-06	7.91E-03
308778.97	3917380.62	2.07122	0.09636	3.87E-03	6.77E-05	8.02E-03	6.52E-06	8.02E-03
308788.97	3917380.62	2.10169	0.10094	3.87E-03	6.77E-05	8.14E-03	6.83E-06	8.14E-03
308798.97	3917380.62	2.1327	0.10583	3.87E-03	6.77E-05	8.26E-03	7.17E-06	8.26E-03
308808.97	3917380.62	2.16448	0.11103	3.87E-03	6.77E-05	8.38E-03	7.52E-06	8.39E-03
308818.97	3917380.62	2.19718	0.11658	3.87E-03	6.77E-05	8.51E-03	7.89E-06	8.51E-03
308828.97	3917380.62	2.23083	0.12246	3.87E-03	6.77E-05	8.64E-03	8.29E-06	8.64E-03
308838.97	3917380.62	2.2659	0.1287	3.87E-03	6.77E-05	8.77E-03	8.71E-06	8.78E-03
308848.97	3917380.62	2.30208	0.13527	3.87E-03	6.77E-05	8.91E-03	9.16E-06	8.92E-03
308858.97	3917380.62	2.33915	0.14218	3.87E-03	6.77E-05	9.06E-03	9.63E-06	9.06E-03
308868.97	3917380.62	2.37671	0.1494	3.87E-03	6.77E-05	9.20E-03	1.01E-05	9.21E-03
308888.97	3917380.62	2.45431	0.16467	3.87E-03	6.77E-05	9.50E-03	1.11E-05	9.51E-03
308898.97	3917380.62	2.49437	0.17264	3.87E-03	6.77E-05	9.66E-03	1.17E-05	9.67E-03
308908.97	3917380.62	2.53587	0.18079	3.87E-03	6.77E-05	9.82E-03	1.22E-05	9.83E-03
308918.97	3917380.62	2.57863	0.18906	3.87E-03	6.77E-05	9.98E-03	1.28E-05	1.00E-02
308928.97	3917380.62	2.62302	0.19742	3.87E-03	6.77E-05	1.02E-02	1.34E-05	1.02E-02
308938.97	3917380.62	2.66848	0.2058	3.87E-03	6.77E-05	1.03E-02	1.39E-05	1.03E-02
308948.97	3917380.62	2.71521	0.21418	3.87E-03	6.77E-05	1.05E-02	1.45E-05	1.05E-02
308758.97	3917390.62	2.01902	0.09229	3.87E-03	6.77E-05	7.82E-03	6.25E-06	7.82E-03
308768.97	3917390.62	2.04807	0.0967	3.87E-03	6.77E-05	7.93E-03	6.55E-06	7.93E-03
308778.97	3917390.62	2.07808	0.10143	3.87E-03	6.77E-05	8.04E-03	6.87E-06	8.05E-03
308788.97	3917390.62	2.10892	0.1065	3.87E-03	6.77E-05	8.16E-03	7.21E-06	8.17E-03
308798.97	3917390.62	2.14062	0.11194	3.87E-03	6.77E-05	8.29E-03	7.58E-06	8.29E-03
308808.97	3917390.62	2.17305	0.11775	3.87E-03	6.77E-05	8.41E-03	7.97E-06	8.42E-03
308818.97	3917390.62	2.20605	0.12395	3.87E-03	6.77E-05	8.54E-03	8.39E-06	8.55E-03
308828.97	3917390.62	2.23978	0.13054	3.87E-03	6.77E-05	8.67E-03	8.84E-06	8.68E-03
308838.97	3917390.62	2.27458	0.13754	3.87E-03	6.77E-05	8.81E-03	9.31E-06	8.81E-03
308848.97	3917390.62	2.31033	0.14493	3.87E-03	6.77E-05	8.94E-03	9.81E-06	8.95E-03
308858.97	3917390.62	2.34716	0.15269	3.87E-03	6.77E-05	9.09E-03	1.03E-05	9.10E-03
308868.97	3917390.62	2.38491	0.16079	3.87E-03	6.77E-05	9.23E-03	1.09E-05	9.24E-03
308938.97	3917390.62	2.67891	0.22329	3.87E-03	6.77E-05	1.04E-02	1.51E-05	1.04E-02
308948.97	3917390.62	2.72609	0.23242	3.87E-03	6.77E-05	1.06E-02	1.57E-05	1.06E-02
308758.97	3917400.62	2.02702	0.09694	3.87E-03	6.77E-05	7.85E-03	6.56E-06	7.85E-03
308768.97	3917400.62	2.05633	0.10182	3.87E-03	6.77E-05	7.96E-03	6.89E-06	7.97E-03
308778.97	3917400.62	2.08624	0.10707	3.87E-03	6.77E-05	8.08E-03	7.25E-06	8.08E-03
308788.97	3917400.62	2.11686	0.11273	3.87E-03	6.77E-05	8.19E-03	7.63E-06	8.20E-03
308798.97	3917400.62	2.1483	0.11882	3.87E-03	6.77E-05	8.32E-03	8.05E-06	8.32E-03
308808.97	3917400.62	2.18057	0.12534	3.87E-03	6.77E-05	8.44E-03	8.49E-06	8.45E-03
308818.97	3917400.62	2.21388	0.13232	3.87E-03	6.77E-05	8.57E-03	8.96E-06	8.58E-03
308838.97	3917400.62	2.28355	0.14766	3.87E-03	6.77E-05	8.84E-03	1.00E-05	8.85E-03
308848.97	3917400.62	2.31972	0.156	3.87E-03	6.77E-05	8.98E-03	1.06E-05	8.99E-03
308858.97	3917400.62	2.35658	0.16476	3.87E-03	6.77E-05	9.12E-03	1.12E-05	9.13E-03
308868.97	3917400.62	2.39428	0.17389	3.87E-03	6.77E-05	9.27E-03	1.18E-05	9.28E-03
308888.97	3917400.62	2.47313	0.19306	3.87E-03	6.77E-05	9.57E-03	1.31E-05	9.59E-03
308898.97	3917400.62	2.51433	0.20297	3.87E-03	6.77E-05	9.73E-03	1.37E-05	9.75E-03
308908.97	3917400.62	2.55691	0.21302	3.87E-03	6.77E-05	9.90E-03	1.44E-05	9.91E-03
308918.97	3917400.62	2.60051	0.22312	3.87E-03	6.77E-05	1.01E-02	1.51E-05	1.01E-02
308938.97	3917400.62	2.69057	0.24328	3.87E-03	6.77E-05	1.04E-02	1.65E-05	1.04E-02
308948.97	3917400.62	2.7374	0.25322	3.87E-03	6.77E-05	1.06E-02	1.71E-05	1.06E-02
308758.97	3917410.62	2.03318	0.10211	3.87E-03	6.77E-05	7.87E-03	6.91E-06	7.88E-03
308768.97	3917410.62	2.06288	0.10753	3.87E-03	6.77E-05	7.99E-03	7.28E-06	7.99E-03
308778.97	3917410.62	2.09335	0.11341	3.87E-03	6.77E-05	8.10E-03	7.68E-06	8.11E-03

308788.97	3917410.62	2.12462	0.11976	3.87E-03	6.77E-05	8.22E-03	8.11E-06	8.23E-03
308798.97	3917410.62	2.15655	0.12662	3.87E-03	6.77E-05	8.35E-03	8.57E-06	8.36E-03
308808.97	3917410.62	2.18913	0.13399	3.87E-03	6.77E-05	8.47E-03	9.07E-06	8.48E-03
308818.97	3917410.62	2.22226	0.1419	3.87E-03	6.77E-05	8.60E-03	9.61E-06	8.61E-03
308838.97	3917410.62	2.29129	0.15932	3.87E-03	6.77E-05	8.87E-03	1.08E-05	8.88E-03
308848.97	3917410.62	2.32741	0.1688	3.87E-03	6.77E-05	9.01E-03	1.14E-05	9.02E-03
308858.97	3917410.62	2.36478	0.17873	3.87E-03	6.77E-05	9.15E-03	1.21E-05	9.17E-03
308868.97	3917410.62	2.40336	0.18908	3.87E-03	6.77E-05	9.30E-03	1.28E-05	9.32E-03
308888.97	3917410.62	2.48299	0.21067	3.87E-03	6.77E-05	9.61E-03	1.43E-05	9.63E-03
308898.97	3917410.62	2.52386	0.22176	3.87E-03	6.77E-05	9.77E-03	1.50E-05	9.79E-03
308908.97	3917410.62	2.56617	0.23293	3.87E-03	6.77E-05	9.93E-03	1.58E-05	9.95E-03
308918.97	3917410.62	2.61004	0.24412	3.87E-03	6.77E-05	1.01E-02	1.65E-05	1.01E-02
308938.97	3917410.62	2.70262	0.26623	3.87E-03	6.77E-05	1.05E-02	1.80E-05	1.05E-02
308948.97	3917410.62	2.75082	0.27703	3.87E-03	6.77E-05	1.06E-02	1.88E-05	1.07E-02
308758.97	3917420.62	2.04115	0.10788	3.87E-03	6.77E-05	7.90E-03	7.30E-06	7.91E-03
308768.97	3917420.62	2.07051	0.11395	3.87E-03	6.77E-05	8.02E-03	7.72E-06	8.02E-03
308778.97	3917420.62	2.10065	0.12057	3.87E-03	6.77E-05	8.13E-03	8.16E-06	8.14E-03
308788.97	3917420.62	2.13152	0.12775	3.87E-03	6.77E-05	8.25E-03	8.65E-06	8.26E-03
308798.97	3917420.62	2.16332	0.13553	3.87E-03	6.77E-05	8.37E-03	9.18E-06	8.38E-03
308808.97	3917420.62	2.19624	0.14392	3.87E-03	6.77E-05	8.50E-03	9.74E-06	8.51E-03
308818.97	3917420.62	2.2301	0.15295	3.87E-03	6.77E-05	8.63E-03	1.04E-05	8.64E-03
308838.97	3917420.62	2.30017	0.17288	3.87E-03	6.77E-05	8.90E-03	1.17E-05	8.92E-03
308848.97	3917420.62	2.33634	0.18371	3.87E-03	6.77E-05	9.04E-03	1.24E-05	9.06E-03
308858.97	3917420.62	2.37333	0.19504	3.87E-03	6.77E-05	9.19E-03	1.32E-05	9.20E-03
308868.97	3917420.62	2.41191	0.20681	3.87E-03	6.77E-05	9.34E-03	1.40E-05	9.35E-03
308888.97	3917420.62	2.49297	0.2312	3.87E-03	6.77E-05	9.65E-03	1.57E-05	9.67E-03
308898.97	3917420.62	2.53498	0.24362	3.87E-03	6.77E-05	9.81E-03	1.65E-05	9.83E-03
308908.97	3917420.62	2.57762	0.25607	3.87E-03	6.77E-05	9.98E-03	1.73E-05	1.00E-02
308918.97	3917420.62	2.62112	0.26844	3.87E-03	6.77E-05	1.01E-02	1.82E-05	1.02E-02
308938.97	3917420.62	2.71247	0.29267	3.87E-03	6.77E-05	1.05E-02	1.98E-05	1.05E-02
308948.97	3917420.62	2.76098	0.3044	3.87E-03	6.77E-05	1.07E-02	2.06E-05	1.07E-02
308758.97	3917430.62	2.04748	0.11436	3.87E-03	6.77E-05	7.93E-03	7.74E-06	7.93E-03
308768.97	3917430.62	2.07773	0.12121	3.87E-03	6.77E-05	8.04E-03	8.21E-06	8.05E-03
308778.97	3917430.62	2.1085	0.12871	3.87E-03	6.77E-05	8.16E-03	8.71E-06	8.17E-03
308788.97	3917430.62	2.13983	0.13689	3.87E-03	6.77E-05	8.28E-03	9.27E-06	8.29E-03
308798.97	3917430.62	2.1718	0.14579	3.87E-03	6.77E-05	8.41E-03	9.87E-06	8.42E-03
308808.97	3917430.62	2.20441	0.15543	3.87E-03	6.77E-05	8.53E-03	1.05E-05	8.54E-03
308818.97	3917430.62	2.23796	0.16583	3.87E-03	6.77E-05	8.66E-03	1.12E-05	8.67E-03
308838.97	3917430.62	2.30808	0.18879	3.87E-03	6.77E-05	8.93E-03	1.28E-05	8.95E-03
308848.97	3917430.62	2.34478	0.20125	3.87E-03	6.77E-05	9.08E-03	1.36E-05	9.09E-03
308858.97	3917430.62	2.38233	0.21424	3.87E-03	6.77E-05	9.22E-03	1.45E-05	9.24E-03
308868.97	3917430.62	2.42098	0.22767	3.87E-03	6.77E-05	9.37E-03	1.54E-05	9.39E-03
308888.97	3917430.62	2.50146	0.25528	3.87E-03	6.77E-05	9.68E-03	1.73E-05	9.70E-03
308898.97	3917430.62	2.5437	0.26921	3.87E-03	6.77E-05	9.85E-03	1.82E-05	9.87E-03
308908.97	3917430.62	2.58765	0.28308	3.87E-03	6.77E-05	1.00E-02	1.92E-05	1.00E-02
308918.97	3917430.62	2.63274	0.29676	3.87E-03	6.77E-05	1.02E-02	2.01E-05	1.02E-02
308938.97	3917430.62	2.72524	0.32326	3.87E-03	6.77E-05	1.05E-02	2.19E-05	1.06E-02
308948.97	3917430.62	2.7731	0.33596	3.87E-03	6.77E-05	1.07E-02	2.27E-05	1.08E-02
308758.97	3917440.62	2.05423	0.12169	3.87E-03	6.77E-05	7.95E-03	8.24E-06	7.96E-03
308768.97	3917440.62	2.08415	0.12948	3.87E-03	6.77E-05	8.07E-03	8.77E-06	8.08E-03
308778.97	3917440.62	2.11467	0.13805	3.87E-03	6.77E-05	8.19E-03	9.35E-06	8.20E-03
308788.97	3917440.62	2.14632	0.14746	3.87E-03	6.77E-05	8.31E-03	9.98E-06	8.32E-03
308798.97	3917440.62	2.17895	0.15773	3.87E-03	6.77E-05	8.44E-03	1.07E-05	8.45E-03
308808.97	3917440.62	2.21236	0.16891	3.87E-03	6.77E-05	8.56E-03	1.14E-05	8.58E-03
308818.97	3917440.62	2.24642	0.18098	3.87E-03	6.77E-05	8.70E-03	1.23E-05	8.71E-03
308838.97	3917440.62	2.31697	0.20765	3.87E-03	6.77E-05	8.97E-03	1.41E-05	8.98E-03
308848.97	3917440.62	2.35338	0.22207	3.87E-03	6.77E-05	9.11E-03	1.50E-05	9.13E-03
308858.97	3917440.62	2.39096	0.23703	3.87E-03	6.77E-05	9.26E-03	1.60E-05	9.27E-03
308868.97	3917440.62	2.42998	0.25241	3.87E-03	6.77E-05	9.41E-03	1.71E-05	9.42E-03
308888.97	3917440.62	2.51077	0.2837	3.87E-03	6.77E-05	9.72E-03	1.92E-05	9.74E-03
308898.97	3917440.62	2.55284	0.29934	3.87E-03	6.77E-05	9.88E-03	2.03E-05	9.90E-03
308908.97	3917440.62	2.59624	0.31478	3.87E-03	6.77E-05	1.01E-02	2.13E-05	1.01E-02
308918.97	3917440.62	2.64135	0.32989	3.87E-03	6.77E-05	1.02E-02	2.23E-05	1.02E-02
308938.97	3917440.62	2.73654	0.3588	3.87E-03	6.77E-05	1.06E-02	2.43E-05	1.06E-02
308948.97	3917440.62	2.78633	0.37249	3.87E-03	6.77E-05	1.08E-02	2.52E-05	1.08E-02
308758.97	3917450.62	2.06166	0.13005	3.87E-03	6.77E-05	7.98E-03	8.81E-06	7.99E-03
308768.97	3917450.62	2.0918	0.13899	3.87E-03	6.77E-05	8.10E-03	9.41E-06	8.11E-03
308778.97	3917450.62	2.12278	0.14888	3.87E-03	6.77E-05	8.22E-03	1.01E-05	8.23E-03
308788.97	3917450.62	2.15417	0.15979	3.87E-03	6.77E-05	8.34E-03	1.08E-05	8.35E-03
308798.97	3917450.62	2.18617	0.17178	3.87E-03	6.77E-05	8.46E-03	1.16E-05	8.47E-03
308808.97	3917450.62	2.21903	0.18486	3.87E-03	6.77E-05	8.59E-03	1.25E-05	8.60E-03
308818.97	3917450.62	2.25319	0.19902	3.87E-03	6.77E-05	8.72E-03	1.35E-05	8.74E-03
308838.97	3917450.62	2.32461	0.23023	3.87E-03	6.77E-05	9.00E-03	1.56E-05	9.01E-03
308848.97	3917450.62	2.36179	0.24701	3.87E-03	6.77E-05	9.14E-03	1.67E-05	9.16E-03
308858.97	3917450.62	2.39965	0.26433	3.87E-03	6.77E-05	9.29E-03	1.79E-05	9.31E-03
308868.97	3917450.62	2.4385	0.28198	3.87E-03	6.77E-05	9.44E-03	1.91E-05	9.46E-03
308888.97	3917450.62	2.52003	0.31749	3.87E-03	6.77E-05	9.76E-03	2.15E-05	9.78E-03
308898.97	3917450.62	2.56343	0.33503	3.87E-03	6.77E-05	9.92E-03	2.27E-05	9.95E-03
308908.97	3917450.62	2.60783	0.35218	3.87E-03	6.77E-05	1.01E-02	2.38E-05	1.01E-02
308918.97	3917450.62	2.65308	0.36883	3.87E-03	6.77E-05	1.03E-02	2.50E-05	1.03E-02
308938.97	3917450.62	2.74675	0.40026	3.87E-03	6.77E-05	1.06E-02	2.71E-05	1.07E-02
308948.97	3917450.62	2.79657	0.41498	3.87E-03	6.77E-05	1.08E-02	2.81E-05	1.09E-02
308758.97	3917460.62	2.06738	0.13966	3.87E-03	6.77E-05	8.00E-03	9.46E-06	8.01E-03
308768.97	3917460.62	2.0976	0.15001	3.87E-03	6.77E-05	8.12E-03	1.02E-05	8.13E-03
308778.97	3917460.62	2.12894	0.16154	3.87E-03	6.77E-05	8.24E-03	1.09E-05	8.25E-03
308788.97	3917460.62	2.16107	0.17435	3.87E-03	6.77E-05	8.37E-03	1.18E-05	8.38E-03

308798.97	3917460.62	2.19394	0.1885	3.87E-03	6.77E-05	8.49E-03	1.28E-05	8.51E-03
308808.97	3917460.62	2.22752	0.20398	3.87E-03	6.77E-05	8.62E-03	1.38E-05	8.64E-03
308818.97	3917460.62	2.26164	0.22075	3.87E-03	6.77E-05	8.76E-03	1.49E-05	8.77E-03
308838.97	3917460.62	2.33232	0.25758	3.87E-03	6.77E-05	9.03E-03	1.74E-05	9.05E-03
308848.97	3917460.62	2.3693	0.27722	3.87E-03	6.77E-05	9.17E-03	1.88E-05	9.19E-03
308858.97	3917460.62	2.40767	0.29733	3.87E-03	6.77E-05	9.32E-03	2.01E-05	9.34E-03
308868.97	3917460.62	2.44702	0.31765	3.87E-03	6.77E-05	9.47E-03	2.15E-05	9.49E-03
308888.97	3917460.62	2.52892	0.35794	3.87E-03	6.77E-05	9.79E-03	2.42E-05	9.81E-03
308898.97	3917460.62	2.57219	0.37756	3.87E-03	6.77E-05	9.96E-03	2.56E-05	9.98E-03
308908.97	3917460.62	2.61718	0.39656	3.87E-03	6.77E-05	1.01E-02	2.69E-05	1.02E-02
308918.97	3917460.62	2.66364	0.41483	3.87E-03	6.77E-05	1.03E-02	2.81E-05	1.03E-02
308938.97	3917460.62	2.75922	0.44885	3.87E-03	6.77E-05	1.07E-02	3.04E-05	1.07E-02
308948.97	3917460.62	2.80884	0.46459	3.87E-03	6.77E-05	1.09E-02	3.15E-05	1.09E-02
308758.97	3917470.62	2.07447	0.15082	3.87E-03	6.77E-05	8.03E-03	1.02E-05	8.04E-03
308768.97	3917470.62	2.10479	0.16293	3.87E-03	6.77E-05	8.15E-03	1.10E-05	8.16E-03
308778.97	3917470.62	2.13562	0.17655	3.87E-03	6.77E-05	8.27E-03	1.20E-05	8.28E-03
308788.97	3917470.62	2.16724	0.19178	3.87E-03	6.77E-05	8.39E-03	1.30E-05	8.40E-03
308798.97	3917470.62	2.19974	0.20868	3.87E-03	6.77E-05	8.52E-03	1.41E-05	8.53E-03
308808.97	3917470.62	2.23332	0.22723	3.87E-03	6.77E-05	8.65E-03	1.54E-05	8.66E-03
308818.97	3917470.62	2.26818	0.24731	3.87E-03	6.77E-05	8.78E-03	1.67E-05	8.80E-03
308838.97	3917470.62	2.34074	0.2911	3.87E-03	6.77E-05	9.06E-03	1.97E-05	9.08E-03
308848.97	3917470.62	2.37822	0.31419	3.87E-03	6.77E-05	9.21E-03	2.13E-05	9.23E-03
308858.97	3917470.62	2.41637	0.33761	3.87E-03	6.77E-05	9.35E-03	2.29E-05	9.38E-03
308868.97	3917470.62	2.45585	0.36101	3.87E-03	6.77E-05	9.51E-03	2.44E-05	9.53E-03
308888.97	3917470.62	2.53834	0.40664	3.87E-03	6.77E-05	9.83E-03	2.75E-05	9.85E-03
308898.97	3917470.62	2.58175	0.42853	3.87E-03	6.77E-05	9.99E-03	2.90E-05	1.00E-02
308908.97	3917470.62	2.62641	0.4495	3.87E-03	6.77E-05	1.02E-02	3.04E-05	1.02E-02
308918.97	3917470.62	2.67278	0.46945	3.87E-03	6.77E-05	1.03E-02	3.18E-05	1.04E-02
308938.97	3917470.62	2.76983	0.50609	3.87E-03	6.77E-05	1.07E-02	3.43E-05	1.08E-02
308948.97	3917470.62	2.82102	0.52283	3.87E-03	6.77E-05	1.09E-02	3.54E-05	1.10E-02
308758.97	3917480.62	2.08	0.16394	3.87E-03	6.77E-05	8.05E-03	1.11E-05	8.06E-03
308768.97	3917480.62	2.1108	0.17831	3.87E-03	6.77E-05	8.17E-03	1.21E-05	8.18E-03
308778.97	3917480.62	2.14237	0.19461	3.87E-03	6.77E-05	8.29E-03	1.32E-05	8.31E-03
308788.97	3917480.62	2.17485	0.213	3.87E-03	6.77E-05	8.42E-03	1.44E-05	8.43E-03
308798.97	3917480.62	2.20801	0.23349	3.87E-03	6.77E-05	8.55E-03	1.58E-05	8.56E-03
308808.97	3917480.62	2.24178	0.25601	3.87E-03	6.77E-05	8.68E-03	1.73E-05	8.70E-03
308818.97	3917480.62	2.27601	0.28031	3.87E-03	6.77E-05	8.81E-03	1.90E-05	8.83E-03
308838.97	3917480.62	2.34787	0.33277	3.87E-03	6.77E-05	9.09E-03	2.25E-05	9.11E-03
308848.97	3917480.62	2.38557	0.36001	3.87E-03	6.77E-05	9.23E-03	2.44E-05	9.26E-03
308858.97	3917480.62	2.42434	0.3873	3.87E-03	6.77E-05	9.38E-03	2.62E-05	9.41E-03
308868.97	3917480.62	2.46404	0.41424	3.87E-03	6.77E-05	9.54E-03	2.80E-05	9.57E-03
308938.97	3917480.62	2.77985	0.5739	3.87E-03	6.77E-05	1.08E-02	3.89E-05	1.08E-02
308948.97	3917480.62	2.83129	0.59161	3.87E-03	6.77E-05	1.10E-02	4.01E-05	1.10E-02
308758.97	3917490.62	2.08707	0.17958	3.87E-03	6.77E-05	8.08E-03	1.22E-05	8.09E-03
308768.97	3917490.62	2.11762	0.1969	3.87E-03	6.77E-05	8.20E-03	1.33E-05	8.21E-03
308778.97	3917490.62	2.14878	0.21676	3.87E-03	6.77E-05	8.32E-03	1.47E-05	8.33E-03
308788.97	3917490.62	2.18082	0.23933	3.87E-03	6.77E-05	8.44E-03	1.62E-05	8.46E-03
308798.97	3917490.62	2.21401	0.26458	3.87E-03	6.77E-05	8.57E-03	1.79E-05	8.59E-03
308808.97	3917490.62	2.24812	0.2923	3.87E-03	6.77E-05	8.70E-03	1.98E-05	8.72E-03
308818.97	3917490.62	2.28315	0.32206	3.87E-03	6.77E-05	8.84E-03	2.18E-05	8.86E-03
308838.97	3917490.62	2.3559	0.38529	3.87E-03	6.77E-05	9.12E-03	2.61E-05	9.15E-03
308848.97	3917490.62	2.39349	0.41748	3.87E-03	6.77E-05	9.27E-03	2.83E-05	9.29E-03
308858.97	3917490.62	2.43235	0.44926	3.87E-03	6.77E-05	9.42E-03	3.04E-05	9.45E-03
308868.97	3917490.62	2.47231	0.48016	3.87E-03	6.77E-05	9.57E-03	3.25E-05	9.60E-03
308878.97	3917490.62	2.51344	0.50983	3.87E-03	6.77E-05	9.73E-03	3.45E-05	9.76E-03
308888.97	3917490.62	2.55577	0.53804	3.87E-03	6.77E-05	9.89E-03	3.64E-05	9.93E-03
308898.97	3917490.62	2.5997	0.56473	3.87E-03	6.77E-05	1.01E-02	3.82E-05	1.01E-02
308908.97	3917490.62	2.64535	0.58974	3.87E-03	6.77E-05	1.02E-02	3.99E-05	1.03E-02
308918.97	3917490.62	2.69279	0.61307	3.87E-03	6.77E-05	1.04E-02	4.15E-05	1.05E-02
308938.97	3917490.62	2.79111	0.65478	3.87E-03	6.77E-05	1.08E-02	4.43E-05	1.08E-02
308948.97	3917490.62	2.84245	0.67342	3.87E-03	6.77E-05	1.10E-02	4.56E-05	1.10E-02
308758.97	3917500.62	2.09259	0.19849	3.87E-03	6.77E-05	8.10E-03	1.34E-05	8.11E-03
308768.97	3917500.62	2.12359	0.21974	3.87E-03	6.77E-05	8.22E-03	1.49E-05	8.24E-03
308778.97	3917500.62	2.15553	0.2444	3.87E-03	6.77E-05	8.34E-03	1.65E-05	8.36E-03
308788.97	3917500.62	2.18805	0.27265	3.87E-03	6.77E-05	8.47E-03	1.85E-05	8.49E-03
308798.97	3917500.62	2.22116	0.30431	3.87E-03	6.77E-05	8.60E-03	2.06E-05	8.62E-03
308808.97	3917500.62	2.25494	0.33892	3.87E-03	6.77E-05	8.73E-03	2.29E-05	8.75E-03
308818.97	3917500.62	2.28977	0.37572	3.87E-03	6.77E-05	8.86E-03	2.54E-05	8.89E-03
308838.97	3917500.62	2.36285	0.45225	3.87E-03	6.77E-05	9.15E-03	3.06E-05	9.18E-03
308848.97	3917500.62	2.40101	0.49026	3.87E-03	6.77E-05	9.29E-03	3.32E-05	9.33E-03
308858.97	3917500.62	2.44005	0.52714	3.87E-03	6.77E-05	9.45E-03	3.57E-05	9.48E-03
308868.97	3917500.62	2.48036	0.56241	3.87E-03	6.77E-05	9.60E-03	3.81E-05	9.64E-03
308878.97	3917500.62	2.52196	0.59575	3.87E-03	6.77E-05	9.76E-03	4.03E-05	9.80E-03
308888.97	3917500.62	2.56479	0.62698	3.87E-03	6.77E-05	9.93E-03	4.25E-05	9.97E-03
308898.97	3917500.62	2.60888	0.6561	3.87E-03	6.77E-05	1.01E-02	4.44E-05	1.01E-02
308908.97	3917500.62	2.65428	0.68307	3.87E-03	6.77E-05	1.03E-02	4.63E-05	1.03E-02
308918.97	3917500.62	2.70119	0.70797	3.87E-03	6.77E-05	1.05E-02	4.79E-05	1.05E-02
308938.97	3917500.62	2.80068	0.75204	3.87E-03	6.77E-05	1.08E-02	5.09E-05	1.09E-02
308948.97	3917500.62	2.85323	0.77155	3.87E-03	6.77E-05	1.10E-02	5.22E-05	1.11E-02
308758.97	3917510.62	2.09857	0.22176	3.87E-03	6.77E-05	8.12E-03	1.50E-05	8.14E-03
308768.97	3917510.62	2.12924	0.2484	3.87E-03	6.77E-05	8.24E-03	1.68E-05	8.26E-03
308778.97	3917510.62	2.16064	0.27975	3.87E-03	6.77E-05	8.36E-03	1.89E-05	8.38E-03
308788.97	3917510.62	2.19316	0.31587	3.87E-03	6.77E-05	8.49E-03	2.14E-05	8.51E-03
308798.97	3917510.62	2.22673	0.35631	3.87E-03	6.77E-05	8.62E-03	2.41E-05	8.64E-03
308808.97	3917510.62	2.26129	0.40009	3.87E-03	6.77E-05	8.75E-03	2.71E-05	8.78E-03
308818.97	3917510.62	2.29665	0.44597	3.87E-03	6.77E-05	8.89E-03	3.02E-05	8.92E-03

308838.97	3917510.62	2.36962	0.53874	3.87E-03	6.77E-05	9.17E-03	3.65E-05	9.21E-03
308848.97	3917510.62	2.40788	0.58343	3.87E-03	6.77E-05	9.32E-03	3.95E-05	9.36E-03
308858.97	3917510.62	2.44729	0.62597	3.87E-03	6.77E-05	9.47E-03	4.24E-05	9.52E-03
308868.97	3917510.62	2.48786	0.66592	3.87E-03	6.77E-05	9.63E-03	4.51E-05	9.68E-03
308878.97	3917510.62	2.52947	0.70304	3.87E-03	6.77E-05	9.79E-03	4.76E-05	9.84E-03
308888.97	3917510.62	2.57249	0.73732	3.87E-03	6.77E-05	9.96E-03	4.99E-05	1.00E-02
308898.97	3917510.62	2.61724	0.76881	3.87E-03	6.77E-05	1.01E-02	5.21E-05	1.02E-02
308908.97	3917510.62	2.66316	0.79765	3.87E-03	6.77E-05	1.03E-02	5.40E-05	1.04E-02
308918.97	3917510.62	2.71049	0.82404	3.87E-03	6.77E-05	1.05E-02	5.58E-05	1.05E-02
308938.97	3917510.62	2.80961	0.87036	3.87E-03	6.77E-05	1.09E-02	5.89E-05	1.09E-02
308948.97	3917510.62	2.86237	0.89069	3.87E-03	6.77E-05	1.11E-02	6.03E-05	1.11E-02
308758.97	3917520.62	2.1037	0.25104	3.87E-03	6.77E-05	8.14E-03	1.70E-05	8.16E-03
308768.97	3917520.62	2.13495	0.28535	3.87E-03	6.77E-05	8.26E-03	1.93E-05	8.28E-03
308778.97	3917520.62	2.16689	0.32627	3.87E-03	6.77E-05	8.39E-03	2.21E-05	8.41E-03
308788.97	3917520.62	2.19943	0.3736	3.87E-03	6.77E-05	8.51E-03	2.53E-05	8.54E-03
308798.97	3917520.62	2.23268	0.42617	3.87E-03	6.77E-05	8.64E-03	2.89E-05	8.67E-03
308808.97	3917520.62	2.26697	0.48221	3.87E-03	6.77E-05	8.78E-03	3.26E-05	8.81E-03
308818.97	3917520.62	2.30239	0.5397	3.87E-03	6.77E-05	8.91E-03	3.65E-05	8.95E-03
308838.97	3917520.62	2.37646	0.65188	3.87E-03	6.77E-05	9.20E-03	4.41E-05	9.24E-03
308848.97	3917520.62	2.41492	0.70404	3.87E-03	6.77E-05	9.35E-03	4.77E-05	9.40E-03
308858.97	3917520.62	2.45428	0.75265	3.87E-03	6.77E-05	9.50E-03	5.10E-05	9.55E-03
308868.97	3917520.62	2.49497	0.79742	3.87E-03	6.77E-05	9.66E-03	5.40E-05	9.71E-03
308878.97	3917520.62	2.53684	0.83833	3.87E-03	6.77E-05	9.82E-03	5.68E-05	9.88E-03
308888.97	3917520.62	2.58007	0.87557	3.87E-03	6.77E-05	9.99E-03	5.93E-05	1.00E-02
308898.97	3917520.62	2.62442	0.90937	3.87E-03	6.77E-05	1.02E-02	6.16E-05	1.02E-02
308908.97	3917520.62	2.67037	0.94001	3.87E-03	6.77E-05	1.03E-02	6.36E-05	1.04E-02
308918.97	3917520.62	2.71829	0.96784	3.87E-03	6.77E-05	1.05E-02	6.55E-05	1.06E-02
308938.97	3917520.62	2.81902	1.01629	3.87E-03	6.77E-05	1.09E-02	6.88E-05	1.10E-02
308948.97	3917520.62	2.87156	1.03745	3.87E-03	6.77E-05	1.11E-02	7.02E-05	1.12E-02
308758.97	3917530.62	2.10852	0.28885	3.87E-03	6.77E-05	8.16E-03	1.96E-05	8.18E-03
308768.97	3917530.62	2.13946	0.33447	3.87E-03	6.77E-05	8.28E-03	2.26E-05	8.30E-03
308778.97	3917530.62	2.17154	0.38959	3.87E-03	6.77E-05	8.41E-03	2.64E-05	8.43E-03
308788.97	3917530.62	2.2046	0.45313	3.87E-03	6.77E-05	8.53E-03	3.07E-05	8.57E-03
308798.97	3917530.62	2.23861	0.52255	3.87E-03	6.77E-05	8.67E-03	3.54E-05	8.70E-03
308808.97	3917530.62	2.27331	0.59475	3.87E-03	6.77E-05	8.80E-03	4.03E-05	8.84E-03
308818.97	3917530.62	2.30848	0.66679	3.87E-03	6.77E-05	8.94E-03	4.51E-05	8.98E-03
308838.97	3917530.62	2.38189	0.80143	3.87E-03	6.77E-05	9.22E-03	5.43E-05	9.27E-03
308848.97	3917530.62	2.4205	0.86163	3.87E-03	6.77E-05	9.37E-03	5.83E-05	9.43E-03
308858.97	3917530.62	2.4603	0.9165	3.87E-03	6.77E-05	9.52E-03	6.21E-05	9.59E-03
308868.97	3917530.62	2.50108	0.96603	3.87E-03	6.77E-05	9.68E-03	6.54E-05	9.75E-03
308878.97	3917530.62	2.54322	1.01058	3.87E-03	6.77E-05	9.85E-03	6.84E-05	9.91E-03
308888.97	3917530.62	2.58677	1.05065	3.87E-03	6.77E-05	1.00E-02	7.11E-05	1.01E-02
308898.97	3917530.62	2.63161	1.08661	3.87E-03	6.77E-05	1.02E-02	7.36E-05	1.03E-02
308908.97	3917530.62	2.6778	1.11892	3.87E-03	6.77E-05	1.04E-02	7.58E-05	1.04E-02
308918.97	3917530.62	2.72545	1.14815	3.87E-03	6.77E-05	1.06E-02	7.77E-05	1.06E-02
308938.97	3917530.62	2.82651	1.1988	3.87E-03	6.77E-05	1.09E-02	8.12E-05	1.10E-02
308948.97	3917530.62	2.88012	1.22089	3.87E-03	6.77E-05	1.11E-02	8.27E-05	1.12E-02
308808.97	3917540.62	2.27717	0.75191	3.87E-03	6.77E-05	8.82E-03	5.09E-05	8.87E-03
308818.97	3917540.62	2.31311	0.84143	3.87E-03	6.77E-05	8.95E-03	5.70E-05	9.01E-03
308838.97	3917540.62	2.3875	1.00054	3.87E-03	6.77E-05	9.24E-03	6.77E-05	9.31E-03
308848.97	3917540.62	2.42591	1.06901	3.87E-03	6.77E-05	9.39E-03	7.24E-05	9.46E-03
308858.97	3917540.62	2.4655	1.13006	3.87E-03	6.77E-05	9.54E-03	7.65E-05	9.62E-03
308868.97	3917540.62	2.50642	1.18406	3.87E-03	6.77E-05	9.70E-03	8.02E-05	9.78E-03
308878.97	3917540.62	2.54883	1.23205	3.87E-03	6.77E-05	9.87E-03	8.34E-05	9.95E-03
308888.97	3917540.62	2.59226	1.27488	3.87E-03	6.77E-05	1.00E-02	8.63E-05	1.01E-02
308898.97	3917540.62	2.63716	1.31287	3.87E-03	6.77E-05	1.02E-02	8.89E-05	1.03E-02
308908.97	3917540.62	2.68392	1.34677	3.87E-03	6.77E-05	1.04E-02	9.12E-05	1.05E-02
308918.97	3917540.62	2.73192	1.37756	3.87E-03	6.77E-05	1.06E-02	9.33E-05	1.07E-02
308938.97	3917540.62	2.83303	1.43066	3.87E-03	6.77E-05	1.10E-02	9.69E-05	1.11E-02
308948.97	3917540.62	2.8866	1.45394	3.87E-03	6.77E-05	1.12E-02	9.84E-05	1.13E-02
308808.97	3917550.62	2.28207	0.97495	3.87E-03	6.77E-05	8.83E-03	6.60E-05	8.90E-03
308818.97	3917550.62	2.317	1.08368	3.87E-03	6.77E-05	8.97E-03	7.34E-05	9.04E-03
308838.97	3917550.62	2.39106	1.2673	3.87E-03	6.77E-05	9.26E-03	8.58E-05	9.34E-03
308848.97	3917550.62	2.43027	1.344	3.87E-03	6.77E-05	9.41E-03	9.10E-05	9.50E-03
308858.97	3917550.62	2.4703	1.41085	3.87E-03	6.77E-05	9.56E-03	9.55E-05	9.66E-03
308868.97	3917550.62	2.51126	1.46881	3.87E-03	6.77E-05	9.72E-03	9.95E-05	9.82E-03
308878.97	3917550.62	2.55333	1.52024	3.87E-03	6.77E-05	9.88E-03	1.03E-04	9.99E-03
308888.97	3917550.62	2.59678	1.56597	3.87E-03	6.77E-05	1.01E-02	1.06E-04	1.02E-02
308898.97	3917550.62	2.642	1.60583	3.87E-03	6.77E-05	1.02E-02	1.09E-04	1.03E-02
308908.97	3917550.62	2.68859	1.64143	3.87E-03	6.77E-05	1.04E-02	1.11E-04	1.05E-02
308918.97	3917550.62	2.73687	1.67432	3.87E-03	6.77E-05	1.06E-02	1.13E-04	1.07E-02
308938.97	3917550.62	2.83893	1.73033	3.87E-03	6.77E-05	1.10E-02	1.17E-04	1.11E-02
308948.97	3917550.62	2.8926	1.7555	3.87E-03	6.77E-05	1.12E-02	1.19E-04	1.13E-02
308808.97	3917560.62	2.28554	1.29479	3.87E-03	6.77E-05	8.85E-03	8.77E-05	8.94E-03
308818.97	3917560.62	2.32161	1.4228	3.87E-03	6.77E-05	8.99E-03	9.63E-05	9.08E-03
308838.97	3917560.62	2.39517	1.62779	3.87E-03	6.77E-05	9.27E-03	1.10E-04	9.38E-03
308848.97	3917560.62	2.43331	1.7125	3.87E-03	6.77E-05	9.42E-03	1.16E-04	9.54E-03
308858.97	3917560.62	2.47307	1.78448	3.87E-03	6.77E-05	9.57E-03	1.21E-04	9.69E-03
308868.97	3917560.62	2.5145	1.84585	3.87E-03	6.77E-05	9.73E-03	1.25E-04	9.86E-03
308878.97	3917560.62	2.55719	1.9014	3.87E-03	6.77E-05	9.90E-03	1.29E-04	1.00E-02
308938.97	3917560.62	2.84274	2.1252	3.87E-03	6.77E-05	1.10E-02	1.44E-04	1.11E-02
308948.97	3917560.62	2.89689	2.15363	3.87E-03	6.77E-05	1.12E-02	1.46E-04	1.14E-02
308808.97	3917570.62	2.28832	1.75006	3.87E-03	6.77E-05	8.86E-03	1.18E-04	8.98E-03
308818.97	3917570.62	2.32324	1.89253	3.87E-03	6.77E-05	8.99E-03	1.28E-04	9.12E-03
308838.97	3917570.62	2.39796	2.11569	3.87E-03	6.77E-05	9.28E-03	1.43E-04	9.43E-03
308848.97	3917570.62	2.43723	2.20562	3.87E-03	6.77E-05	9.43E-03	1.49E-04	9.58E-03

308858.97	3917570.62	2.47705	2.27891	3.87E-03	6.77E-05	9.59E-03	1.54E-04	9.74E-03
308868.97	3917570.62	2.51768	2.34608	3.87E-03	6.77E-05	9.75E-03	1.59E-04	9.91E-03
308878.97	3917570.62	2.55959	2.40671	3.87E-03	6.77E-05	9.91E-03	1.63E-04	1.01E-02
308938.97	3917570.62	2.84581	2.07091	3.87E-03	6.77E-05	1.10E-02	1.40E-04	1.12E-02
308948.97	3917570.62	2.8994	1.9116	3.87E-03	6.77E-05	1.12E-02	1.29E-04	1.14E-02
308868.97	3917580.62	2.52002	2.14097	3.87E-03	6.77E-05	9.76E-03	1.45E-04	9.90E-03
308878.97	3917580.62	2.56259	1.9462	3.87E-03	6.77E-05	9.92E-03	1.32E-04	1.01E-02
308880.66	3917999.48	1.85617	0.12181	3.87E-03	6.77E-05	7.19E-03	8.25E-06	7.19E-03
308899.6	3917993.17	1.8994	0.12599	3.87E-03	6.77E-05	7.35E-03	8.53E-06	7.36E-03
308916.74	3917994.97	1.91844	0.12716	3.87E-03	6.77E-05	7.43E-03	8.61E-06	7.44E-03
308930.26	3918002.19	1.91537	0.12596	3.87E-03	6.77E-05	7.41E-03	8.53E-06	7.42E-03
308942.89	3918005.79	1.92165	0.12594	3.87E-03	6.77E-05	7.44E-03	8.53E-06	7.45E-03
308962.73	3918009.4	1.9361	0.12652	3.87E-03	6.77E-05	7.49E-03	8.57E-06	7.50E-03
308978.07	3918012.11	1.94743	0.12692	3.87E-03	6.77E-05	7.54E-03	8.59E-06	7.55E-03
309000.61	3918017.52	1.95746	0.12692	3.87E-03	6.77E-05	7.58E-03	8.59E-06	7.59E-03
309058.33	3918014.81	2.03385	0.13218	3.87E-03	6.77E-05	7.87E-03	8.95E-06	7.88E-03
309088.1	3918016.62	2.05861	0.13367	3.87E-03	6.77E-05	7.97E-03	9.05E-06	7.98E-03
309139.5	3918013.91	2.12025	0.13834	3.87E-03	6.77E-05	8.21E-03	9.37E-06	8.22E-03
309199.93	3917986.85	2.30743	0.15348	3.87E-03	6.77E-05	8.93E-03	1.04E-05	8.94E-03
309254.04	3917983.25	2.37676	0.15925	3.87E-03	6.77E-05	9.20E-03	1.08E-05	9.21E-03
309291.92	3917983.25	2.40552	0.1623	3.87E-03	6.77E-05	9.31E-03	1.10E-05	9.32E-03
309336.12	3917988.66	2.39301	0.16365	3.87E-03	6.77E-05	9.26E-03	1.11E-05	9.27E-03
309363.17	3917989.56	2.39066	0.16571	3.87E-03	6.77E-05	9.25E-03	1.12E-05	9.27E-03
309426.81	3917993.1	2.33977	0.17058	3.87E-03	6.77E-05	9.06E-03	1.15E-05	9.07E-03
309454.3	3917999.38	2.26184	0.17092	3.87E-03	6.77E-05	8.76E-03	1.16E-05	8.77E-03
309511.26	3918008.32	2.09143	0.17446	3.87E-03	6.77E-05	8.10E-03	1.18E-05	8.11E-03
309539.51	3918027.62	1.89239	0.17054	3.87E-03	6.77E-05	7.33E-03	1.15E-05	7.34E-03
309131.94	3917360.12	3.86035	0.29554	3.87E-03	6.77E-05	1.49E-02	2.00E-05	1.50E-02
309109.35	3917304.34	3.53538	0.20227	3.87E-03	6.77E-05	1.37E-02	1.37E-05	1.37E-02

Construction Year 2

Year	Onsite Emission Rate	Offsite Emission Rate (g/s)
Year 1	0.003871152	6.77091E-05
Year 2	0.002973597	1.97861E-05

Receptor		AERMOD Pollutant		Emission Rates		Calculated Pollutant Concentration		
X	Y	On-site Concentration (ug/m3)	Off-site Concentration (ug/m3)	On-site Emission Rate (g/s)	Off-site Emission Rate (g/s)	On-site Concentration (ug/m3)	Off-site Concentration (ug/m3)	Total Concentration (ug/m3)
309008.97	3917020.62	0.05737	0.05472	2.97E-03	1.98E-05	1.71E-04	1.08E-06	1.72E-04
309018.97	3917020.62	0.05854	0.05584	2.97E-03	1.98E-05	1.74E-04	1.10E-06	1.75E-04
309028.97	3917020.62	0.05975	0.05699	2.97E-03	1.98E-05	1.78E-04	1.13E-06	1.79E-04
309038.97	3917020.62	0.06101	0.05816	2.97E-03	1.98E-05	1.81E-04	1.15E-06	1.83E-04
309048.97	3917020.62	0.06231	0.05936	2.97E-03	1.98E-05	1.85E-04	1.17E-06	1.86E-04
309058.97	3917020.62	0.06366	0.0606	2.97E-03	1.98E-05	1.89E-04	1.20E-06	1.90E-04
309068.97	3917020.62	0.06505	0.06186	2.97E-03	1.98E-05	1.93E-04	1.22E-06	1.95E-04
309078.97	3917020.62	0.0665	0.06314	2.97E-03	1.98E-05	1.98E-04	1.25E-06	1.99E-04
309088.97	3917020.62	0.068	0.06446	2.97E-03	1.98E-05	2.02E-04	1.28E-06	2.03E-04
309098.97	3917020.62	0.06955	0.06581	2.97E-03	1.98E-05	2.07E-04	1.30E-06	2.08E-04
309108.97	3917020.62	0.07117	0.06718	2.97E-03	1.98E-05	2.12E-04	1.33E-06	2.13E-04
309118.97	3917020.62	0.07285	0.06858	2.97E-03	1.98E-05	2.17E-04	1.36E-06	2.18E-04
309128.97	3917020.62	0.0746	0.07002	2.97E-03	1.98E-05	2.22E-04	1.39E-06	2.23E-04
309008.97	3917030.62	0.05893	0.0561	2.97E-03	1.98E-05	1.75E-04	1.11E-06	1.76E-04
309018.97	3917030.62	0.06014	0.05726	2.97E-03	1.98E-05	1.79E-04	1.13E-06	1.80E-04
309028.97	3917030.62	0.06139	0.05845	2.97E-03	1.98E-05	1.83E-04	1.16E-06	1.84E-04
309038.97	3917030.62	0.06269	0.05967	2.97E-03	1.98E-05	1.86E-04	1.18E-06	1.88E-04
309048.97	3917030.62	0.06403	0.06092	2.97E-03	1.98E-05	1.90E-04	1.21E-06	1.92E-04
309058.97	3917030.62	0.06542	0.0622	2.97E-03	1.98E-05	1.95E-04	1.23E-06	1.96E-04
309068.97	3917030.62	0.06686	0.06351	2.97E-03	1.98E-05	1.99E-04	1.26E-06	2.00E-04
309078.97	3917030.62	0.06835	0.06485	2.97E-03	1.98E-05	2.03E-04	1.28E-06	2.05E-04
309088.97	3917030.62	0.0699	0.06621	2.97E-03	1.98E-05	2.08E-04	1.31E-06	2.09E-04
309098.97	3917030.62	0.07151	0.06761	2.97E-03	1.98E-05	2.13E-04	1.34E-06	2.14E-04
309108.97	3917030.62	0.07318	0.06903	2.97E-03	1.98E-05	2.18E-04	1.37E-06	2.19E-04
309118.97	3917030.62	0.07492	0.07049	2.97E-03	1.98E-05	2.23E-04	1.39E-06	2.24E-04
309128.97	3917030.62	0.07673	0.07197	2.97E-03	1.98E-05	2.28E-04	1.42E-06	2.30E-04
309008.97	3917040.62	0.06064	0.05754	2.97E-03	1.98E-05	1.80E-04	1.14E-06	1.81E-04
309018.97	3917040.62	0.06189	0.05875	2.97E-03	1.98E-05	1.84E-04	1.16E-06	1.85E-04
309028.97	3917040.62	0.06318	0.05999	2.97E-03	1.98E-05	1.88E-04	1.19E-06	1.89E-04
309038.97	3917040.62	0.06452	0.06126	2.97E-03	1.98E-05	1.92E-04	1.21E-06	1.93E-04
309048.97	3917040.62	0.06591	0.06256	2.97E-03	1.98E-05	1.96E-04	1.24E-06	1.97E-04
309058.97	3917040.62	0.06735	0.06389	2.97E-03	1.98E-05	2.00E-04	1.26E-06	2.02E-04
309068.97	3917040.62	0.06884	0.06525	2.97E-03	1.98E-05	2.05E-04	1.29E-06	2.06E-04
309078.97	3917040.62	0.07039	0.06663	2.97E-03	1.98E-05	2.09E-04	1.32E-06	2.11E-04
309088.97	3917040.62	0.072	0.06805	2.97E-03	1.98E-05	2.14E-04	1.35E-06	2.15E-04
309098.97	3917040.62	0.07367	0.0695	2.97E-03	1.98E-05	2.19E-04	1.38E-06	2.20E-04
309108.97	3917040.62	0.0754	0.07098	2.97E-03	1.98E-05	2.24E-04	1.40E-06	2.26E-04
309118.97	3917040.62	0.07721	0.07248	2.97E-03	1.98E-05	2.30E-04	1.43E-06	2.31E-04
309128.97	3917040.62	0.07909	0.07402	2.97E-03	1.98E-05	2.35E-04	1.46E-06	2.37E-04
308938.97	3917060.62	0.05621	0.05231	2.97E-03	1.98E-05	1.67E-04	1.04E-06	1.68E-04
308948.97	3917060.62	0.05729	0.05341	2.97E-03	1.98E-05	1.70E-04	1.06E-06	1.71E-04
308958.97	3917060.62	0.05839	0.05454	2.97E-03	1.98E-05	1.74E-04	1.08E-06	1.75E-04
308968.97	3917060.62	0.05954	0.05569	2.97E-03	1.98E-05	1.77E-04	1.10E-06	1.78E-04
308978.97	3917060.62	0.06072	0.05688	2.97E-03	1.98E-05	1.81E-04	1.13E-06	1.82E-04
308988.97	3917060.62	0.06194	0.0581	2.97E-03	1.98E-05	1.84E-04	1.15E-06	1.85E-04
308998.97	3917060.62	0.0632	0.05935	2.97E-03	1.98E-05	1.88E-04	1.17E-06	1.89E-04
309008.97	3917060.62	0.06451	0.06063	2.97E-03	1.98E-05	1.92E-04	1.20E-06	1.93E-04
309018.97	3917060.62	0.06586	0.06194	2.97E-03	1.98E-05	1.96E-04	1.23E-06	1.97E-04
309028.97	3917060.62	0.06727	0.06328	2.97E-03	1.98E-05	2.00E-04	1.25E-06	2.01E-04
309038.97	3917060.62	0.06872	0.06466	2.97E-03	1.98E-05	2.04E-04	1.28E-06	2.06E-04
309048.97	3917060.62	0.07022	0.06607	2.97E-03	1.98E-05	2.09E-04	1.31E-06	2.10E-04
309058.97	3917060.62	0.07178	0.0675	2.97E-03	1.98E-05	2.13E-04	1.34E-06	2.15E-04
309068.97	3917060.62	0.0734	0.06897	2.97E-03	1.98E-05	2.18E-04	1.36E-06	2.20E-04
309078.97	3917060.62	0.07508	0.07047	2.97E-03	1.98E-05	2.23E-04	1.39E-06	2.25E-04
309088.97	3917060.62	0.07683	0.072	2.97E-03	1.98E-05	2.28E-04	1.42E-06	2.30E-04
309098.97	3917060.62	0.07864	0.07356	2.97E-03	1.98E-05	2.34E-04	1.46E-06	2.35E-04
309108.97	3917060.62	0.08053	0.07515	2.97E-03	1.98E-05	2.39E-04	1.49E-06	2.41E-04
309118.97	3917060.62	0.0825	0.07677	2.97E-03	1.98E-05	2.45E-04	1.52E-06	2.47E-04
309128.97	3917060.62	0.08455	0.07841	2.97E-03	1.98E-05	2.51E-04	1.55E-06	2.53E-04
308938.97	3917070.62	0.05803	0.05362	2.97E-03	1.98E-05	1.73E-04	1.06E-06	1.74E-04
308948.97	3917070.62	0.05915	0.05476	2.97E-03	1.98E-05	1.76E-04	1.08E-06	1.77E-04
308958.97	3917070.62	0.0603	0.05594	2.97E-03	1.98E-05	1.79E-04	1.11E-06	1.80E-04
308968.97	3917070.62	0.06149	0.05714	2.97E-03	1.98E-05	1.83E-04	1.13E-06	1.84E-04
308978.97	3917070.62	0.06272	0.05838	2.97E-03	1.98E-05	1.87E-04	1.16E-06	1.88E-04
308988.97	3917070.62	0.064	0.05965	2.97E-03	1.98E-05	1.90E-04	1.18E-06	1.91E-04
308998.97	3917070.62	0.06532	0.06095	2.97E-03	1.98E-05	1.94E-04	1.21E-06	1.95E-04
309008.97	3917070.62	0.06668	0.06229	2.97E-03	1.98E-05	1.98E-04	1.23E-06	2.00E-04
309018.97	3917070.62	0.06809	0.06366	2.97E-03	1.98E-05	2.02E-04	1.26E-06	2.04E-04
309028.97	3917070.62	0.06956	0.06506	2.97E-03	1.98E-05	2.07E-04	1.29E-06	2.08E-04
309038.97	3917070.62	0.07108	0.06649	2.97E-03	1.98E-05	2.11E-04	1.32E-06	2.13E-04
309048.97	3917070.62	0.07266	0.06795	2.97E-03	1.98E-05	2.16E-04	1.34E-06	2.17E-04
309058.97	3917070.62	0.07429	0.06945	2.97E-03	1.98E-05	2.21E-04	1.37E-06	2.22E-04
309068.97	3917070.62	0.07599	0.07098	2.97E-03	1.98E-05	2.26E-04	1.40E-06	2.27E-04
309078.97	3917070.62	0.07775	0.07254	2.97E-03	1.98E-05	2.31E-04	1.44E-06	2.33E-04
309088.97	3917070.62	0.07957	0.07413	2.97E-03	1.98E-05	2.37E-04	1.47E-06	2.38E-04

309098.97	3917070.62	0.08147	0.07575	2.97E-03	1.98E-05	2.42E-04	1.50E-06	2.44E-04
309108.97	3917070.62	0.08345	0.0774	2.97E-03	1.98E-05	2.48E-04	1.53E-06	2.50E-04
309118.97	3917070.62	0.08551	0.07908	2.97E-03	1.98E-05	2.54E-04	1.56E-06	2.56E-04
309128.97	3917070.62	0.08766	0.08078	2.97E-03	1.98E-05	2.61E-04	1.60E-06	2.62E-04
308938.97	3917080.62	0.05996	0.05498	2.97E-03	1.98E-05	1.78E-04	1.09E-06	1.79E-04
308948.97	3917080.62	0.06113	0.05617	2.97E-03	1.98E-05	1.82E-04	1.11E-06	1.83E-04
308958.97	3917080.62	0.06233	0.0574	2.97E-03	1.98E-05	1.85E-04	1.14E-06	1.86E-04
308968.97	3917080.62	0.06357	0.05866	2.97E-03	1.98E-05	1.89E-04	1.16E-06	1.90E-04
308978.97	3917080.62	0.06485	0.05996	2.97E-03	1.98E-05	1.93E-04	1.19E-06	1.94E-04
308988.97	3917080.62	0.06619	0.06128	2.97E-03	1.98E-05	1.97E-04	1.21E-06	1.98E-04
308998.97	3917080.62	0.06757	0.06264	2.97E-03	1.98E-05	2.01E-04	1.24E-06	2.02E-04
309008.97	3917080.62	0.069	0.06403	2.97E-03	1.98E-05	2.05E-04	1.27E-06	2.06E-04
309018.97	3917080.62	0.07048	0.06546	2.97E-03	1.98E-05	2.10E-04	1.30E-06	2.11E-04
309028.97	3917080.62	0.07202	0.06692	2.97E-03	1.98E-05	2.14E-04	1.32E-06	2.15E-04
309038.97	3917080.62	0.07361	0.06841	2.97E-03	1.98E-05	2.19E-04	1.35E-06	2.20E-04
309048.97	3917080.62	0.07527	0.06994	2.97E-03	1.98E-05	2.24E-04	1.38E-06	2.25E-04
309058.97	3917080.62	0.07699	0.0715	2.97E-03	1.98E-05	2.29E-04	1.41E-06	2.30E-04
309068.97	3917080.62	0.07878	0.07308	2.97E-03	1.98E-05	2.34E-04	1.45E-06	2.36E-04
309078.97	3917080.62	0.08062	0.07471	2.97E-03	1.98E-05	2.40E-04	1.48E-06	2.41E-04
309088.97	3917080.62	0.08254	0.07636	2.97E-03	1.98E-05	2.45E-04	1.51E-06	2.47E-04
309098.97	3917080.62	0.08453	0.07805	2.97E-03	1.98E-05	2.51E-04	1.54E-06	2.53E-04
309108.97	3917080.62	0.08661	0.07976	2.97E-03	1.98E-05	2.58E-04	1.58E-06	2.59E-04
309118.97	3917080.62	0.08877	0.0815	2.97E-03	1.98E-05	2.64E-04	1.61E-06	2.66E-04
309128.97	3917080.62	0.09102	0.08328	2.97E-03	1.98E-05	2.71E-04	1.65E-06	2.72E-04
308938.97	3917090.62	0.06198	0.0564	2.97E-03	1.98E-05	1.84E-04	1.12E-06	1.85E-04
308948.97	3917090.62	0.06321	0.05765	2.97E-03	1.98E-05	1.88E-04	1.14E-06	1.89E-04
308958.97	3917090.62	0.06447	0.05894	2.97E-03	1.98E-05	1.92E-04	1.17E-06	1.93E-04
308968.97	3917090.62	0.06577	0.06026	2.97E-03	1.98E-05	1.96E-04	1.19E-06	1.97E-04
308978.97	3917090.62	0.06712	0.06161	2.97E-03	1.98E-05	2.00E-04	1.22E-06	2.01E-04
308988.97	3917090.62	0.06852	0.06299	2.97E-03	1.98E-05	2.04E-04	1.25E-06	2.05E-04
308998.97	3917090.62	0.06997	0.06441	2.97E-03	1.98E-05	2.08E-04	1.27E-06	2.09E-04
309008.97	3917090.62	0.07147	0.06587	2.97E-03	1.98E-05	2.13E-04	1.30E-06	2.14E-04
309018.97	3917090.62	0.07303	0.06736	2.97E-03	1.98E-05	2.17E-04	1.33E-06	2.18E-04
309028.97	3917090.62	0.07464	0.06888	2.97E-03	1.98E-05	2.22E-04	1.36E-06	2.23E-04
309038.97	3917090.62	0.07631	0.07044	2.97E-03	1.98E-05	2.27E-04	1.39E-06	2.28E-04
309048.97	3917090.62	0.07806	0.07203	2.97E-03	1.98E-05	2.32E-04	1.43E-06	2.34E-04
309058.97	3917090.62	0.07987	0.07366	2.97E-03	1.98E-05	2.38E-04	1.46E-06	2.39E-04
309068.97	3917090.62	0.08175	0.0753	2.97E-03	1.98E-05	2.43E-04	1.49E-06	2.45E-04
309078.97	3917090.62	0.08369	0.07699	2.97E-03	1.98E-05	2.49E-04	1.52E-06	2.50E-04
309088.97	3917090.62	0.08571	0.07872	2.97E-03	1.98E-05	2.55E-04	1.56E-06	2.56E-04
309098.97	3917090.62	0.08781	0.08047	2.97E-03	1.98E-05	2.61E-04	1.59E-06	2.63E-04
309108.97	3917090.62	0.09	0.08225	2.97E-03	1.98E-05	2.68E-04	1.63E-06	2.69E-04
309118.97	3917090.62	0.09228	0.08406	2.97E-03	1.98E-05	2.74E-04	1.66E-06	2.76E-04
309128.97	3917090.62	0.09465	0.08591	2.97E-03	1.98E-05	2.81E-04	1.70E-06	2.83E-04
308888.97	3917100.62	0.05827	0.05189	2.97E-03	1.98E-05	1.73E-04	1.03E-06	1.74E-04
308898.97	3917100.62	0.05937	0.05303	2.97E-03	1.98E-05	1.77E-04	1.05E-06	1.78E-04
308908.97	3917100.62	0.0605	0.0542	2.97E-03	1.98E-05	1.80E-04	1.07E-06	1.81E-04
308918.97	3917100.62	0.06166	0.0554	2.97E-03	1.98E-05	1.83E-04	1.10E-06	1.84E-04
308938.97	3917100.62	0.06411	0.05791	2.97E-03	1.98E-05	1.91E-04	1.15E-06	1.92E-04
308948.97	3917100.62	0.0654	0.05921	2.97E-03	1.98E-05	1.94E-04	1.17E-06	1.96E-04
308958.97	3917100.62	0.06673	0.06056	2.97E-03	1.98E-05	1.98E-04	1.20E-06	2.00E-04
308968.97	3917100.62	0.0681	0.06194	2.97E-03	1.98E-05	2.03E-04	1.23E-06	2.04E-04
308978.97	3917100.62	0.06952	0.06335	2.97E-03	1.98E-05	2.07E-04	1.25E-06	2.08E-04
308988.97	3917100.62	0.07099	0.0648	2.97E-03	1.98E-05	2.11E-04	1.28E-06	2.12E-04
308998.97	3917100.62	0.07251	0.06628	2.97E-03	1.98E-05	2.16E-04	1.31E-06	2.17E-04
309008.97	3917100.62	0.07409	0.0678	2.97E-03	1.98E-05	2.20E-04	1.34E-06	2.22E-04
309018.97	3917100.62	0.07573	0.06936	2.97E-03	1.98E-05	2.25E-04	1.37E-06	2.27E-04
309028.97	3917100.62	0.07743	0.07095	2.97E-03	1.98E-05	2.30E-04	1.40E-06	2.32E-04
309038.97	3917100.62	0.07919	0.07258	2.97E-03	1.98E-05	2.35E-04	1.44E-06	2.37E-04
309048.97	3917100.62	0.08102	0.07424	2.97E-03	1.98E-05	2.41E-04	1.47E-06	2.42E-04
309058.97	3917100.62	0.08292	0.07593	2.97E-03	1.98E-05	2.47E-04	1.50E-06	2.48E-04
309068.97	3917100.62	0.0849	0.07765	2.97E-03	1.98E-05	2.52E-04	1.54E-06	2.54E-04
309078.97	3917100.62	0.08695	0.07942	2.97E-03	1.98E-05	2.59E-04	1.57E-06	2.60E-04
309088.97	3917100.62	0.08908	0.08121	2.97E-03	1.98E-05	2.65E-04	1.61E-06	2.66E-04
309098.97	3917100.62	0.0913	0.08303	2.97E-03	1.98E-05	2.71E-04	1.64E-06	2.73E-04
309108.97	3917100.62	0.09361	0.08489	2.97E-03	1.98E-05	2.78E-04	1.68E-06	2.80E-04
309118.97	3917100.62	0.09602	0.08677	2.97E-03	1.98E-05	2.86E-04	1.72E-06	2.87E-04
309128.97	3917100.62	0.09853	0.08868	2.97E-03	1.98E-05	2.93E-04	1.75E-06	2.95E-04
308888.97	3917110.62	0.06021	0.0532	2.97E-03	1.98E-05	1.79E-04	1.05E-06	1.80E-04
308898.97	3917110.62	0.06136	0.05439	2.97E-03	1.98E-05	1.82E-04	1.08E-06	1.84E-04
308908.97	3917110.62	0.06255	0.05561	2.97E-03	1.98E-05	1.86E-04	1.10E-06	1.87E-04
308918.97	3917110.62	0.06377	0.05687	2.97E-03	1.98E-05	1.90E-04	1.13E-06	1.91E-04
308938.97	3917110.62	0.06635	0.05949	2.97E-03	1.98E-05	1.97E-04	1.18E-06	1.98E-04
308948.97	3917110.62	0.0677	0.06085	2.97E-03	1.98E-05	2.01E-04	1.20E-06	2.03E-04
308958.97	3917110.62	0.0691	0.06226	2.97E-03	1.98E-05	2.05E-04	1.23E-06	2.07E-04
308968.97	3917110.62	0.07054	0.0637	2.97E-03	1.98E-05	2.10E-04	1.26E-06	2.11E-04
308978.97	3917110.62	0.07203	0.06518	2.97E-03	1.98E-05	2.14E-04	1.29E-06	2.15E-04
308988.97	3917110.62	0.07358	0.06669	2.97E-03	1.98E-05	2.19E-04	1.32E-06	2.20E-04
308998.97	3917110.62	0.07519	0.06825	2.97E-03	1.98E-05	2.24E-04	1.35E-06	2.25E-04
309008.97	3917110.62	0.07685	0.06984	2.97E-03	1.98E-05	2.29E-04	1.38E-06	2.30E-04
309018.97	3917110.62	0.07858	0.07147	2.97E-03	1.98E-05	2.34E-04	1.41E-06	2.35E-04
309028.97	3917110.62	0.08036	0.07313	2.97E-03	1.98E-05	2.39E-04	1.45E-06	2.40E-04
309038.97	3917110.62	0.08222	0.07483	2.97E-03	1.98E-05	2.44E-04	1.48E-06	2.46E-04
309048.97	3917110.62	0.08415	0.07657	2.97E-03	1.98E-05	2.50E-04	1.52E-06	2.52E-04
309058.97	3917110.62	0.08615	0.07834	2.97E-03	1.98E-05	2.56E-04	1.55E-06	2.58E-04
309068.97	3917110.62	0.08824	0.08014	2.97E-03	1.98E-05	2.62E-04	1.59E-06	2.64E-04

309078.97	3917110.62	0.0904	0.08198	2.97E-03	1.98E-05	2.69E-04	1.62E-06	2.70E-04
309088.97	3917110.62	0.09266	0.08384	2.97E-03	1.98E-05	2.76E-04	1.66E-06	2.77E-04
309098.97	3917110.62	0.095	0.08574	2.97E-03	1.98E-05	2.82E-04	1.70E-06	2.84E-04
309108.97	3917110.62	0.09744	0.08767	2.97E-03	1.98E-05	2.90E-04	1.73E-06	2.91E-04
309118.97	3917110.62	0.09999	0.08963	2.97E-03	1.98E-05	2.97E-04	1.77E-06	2.99E-04
309128.97	3917110.62	0.10265	0.09161	2.97E-03	1.98E-05	3.05E-04	1.81E-06	3.07E-04
308888.97	3917120.62	0.06224	0.05457	2.97E-03	1.98E-05	1.85E-04	1.08E-06	1.86E-04
308898.97	3917120.62	0.06344	0.05581	2.97E-03	1.98E-05	1.89E-04	1.10E-06	1.90E-04
308908.97	3917120.62	0.06469	0.0571	2.97E-03	1.98E-05	1.92E-04	1.13E-06	1.93E-04
308918.97	3917120.62	0.06597	0.05841	2.97E-03	1.98E-05	1.96E-04	1.16E-06	1.97E-04
308938.97	3917120.62	0.06868	0.06116	2.97E-03	1.98E-05	2.04E-04	1.21E-06	2.05E-04
308948.97	3917120.62	0.0701	0.06259	2.97E-03	1.98E-05	2.08E-04	1.24E-06	2.10E-04
308958.97	3917120.62	0.07156	0.06405	2.97E-03	1.98E-05	2.13E-04	1.27E-06	2.14E-04
308968.97	3917120.62	0.07308	0.06556	2.97E-03	1.98E-05	2.17E-04	1.30E-06	2.19E-04
308978.97	3917120.62	0.07466	0.06711	2.97E-03	1.98E-05	2.22E-04	1.33E-06	2.23E-04
308988.97	3917120.62	0.07629	0.0687	2.97E-03	1.98E-05	2.27E-04	1.36E-06	2.28E-04
308998.97	3917120.62	0.07798	0.07033	2.97E-03	1.98E-05	2.32E-04	1.39E-06	2.33E-04
309008.97	3917120.62	0.07973	0.07199	2.97E-03	1.98E-05	2.37E-04	1.42E-06	2.39E-04
309018.97	3917120.62	0.08155	0.0737	2.97E-03	1.98E-05	2.42E-04	1.46E-06	2.44E-04
309028.97	3917120.62	0.08343	0.07544	2.97E-03	1.98E-05	2.48E-04	1.49E-06	2.50E-04
309038.97	3917120.62	0.08539	0.07722	2.97E-03	1.98E-05	2.54E-04	1.53E-06	2.55E-04
309048.97	3917120.62	0.08743	0.07904	2.97E-03	1.98E-05	2.60E-04	1.56E-06	2.62E-04
309058.97	3917120.62	0.08954	0.08089	2.97E-03	1.98E-05	2.66E-04	1.60E-06	2.68E-04
309068.97	3917120.62	0.09174	0.08277	2.97E-03	1.98E-05	2.73E-04	1.64E-06	2.74E-04
309078.97	3917120.62	0.09403	0.08469	2.97E-03	1.98E-05	2.80E-04	1.68E-06	2.81E-04
309088.97	3917120.62	0.09641	0.08664	2.97E-03	1.98E-05	2.87E-04	1.71E-06	2.88E-04
309098.97	3917120.62	0.0989	0.08861	2.97E-03	1.98E-05	2.94E-04	1.75E-06	2.96E-04
309108.97	3917120.62	0.10148	0.09062	2.97E-03	1.98E-05	3.02E-04	1.79E-06	3.04E-04
309118.97	3917120.62	0.10418	0.09266	2.97E-03	1.98E-05	3.10E-04	1.83E-06	3.12E-04
309128.97	3917120.62	0.107	0.09472	2.97E-03	1.98E-05	3.18E-04	1.87E-06	3.20E-04
308838.97	3917150.62	0.06236	0.05254	2.97E-03	1.98E-05	1.85E-04	1.04E-06	1.86E-04
308848.97	3917150.62	0.06355	0.05378	2.97E-03	1.98E-05	1.89E-04	1.06E-06	1.90E-04
308858.97	3917150.62	0.06477	0.05506	2.97E-03	1.98E-05	1.93E-04	1.09E-06	1.94E-04
308868.97	3917150.62	0.06603	0.05638	2.97E-03	1.98E-05	1.96E-04	1.12E-06	1.97E-04
308878.97	3917150.62	0.06734	0.05773	2.97E-03	1.98E-05	2.00E-04	1.14E-06	2.01E-04
308888.97	3917150.62	0.06868	0.05913	2.97E-03	1.98E-05	2.04E-04	1.17E-06	2.05E-04
308898.97	3917150.62	0.07007	0.06056	2.97E-03	1.98E-05	2.08E-04	1.20E-06	2.10E-04
308908.97	3917150.62	0.07151	0.06204	2.97E-03	1.98E-05	2.13E-04	1.23E-06	2.14E-04
308918.97	3917150.62	0.073	0.06356	2.97E-03	1.98E-05	2.17E-04	1.26E-06	2.18E-04
308928.97	3917150.62	0.07453	0.06513	2.97E-03	1.98E-05	2.22E-04	1.29E-06	2.23E-04
308938.97	3917150.62	0.07612	0.06674	2.97E-03	1.98E-05	2.26E-04	1.32E-06	2.28E-04
308948.97	3917150.62	0.07777	0.0684	2.97E-03	1.98E-05	2.31E-04	1.35E-06	2.33E-04
308958.97	3917150.62	0.07947	0.0701	2.97E-03	1.98E-05	2.36E-04	1.39E-06	2.38E-04
308968.97	3917150.62	0.08124	0.07185	2.97E-03	1.98E-05	2.42E-04	1.42E-06	2.43E-04
308978.97	3917150.62	0.08307	0.07365	2.97E-03	1.98E-05	2.47E-04	1.46E-06	2.48E-04
308988.97	3917150.62	0.08497	0.07549	2.97E-03	1.98E-05	2.53E-04	1.49E-06	2.54E-04
308998.97	3917150.62	0.08694	0.07737	2.97E-03	1.98E-05	2.59E-04	1.53E-06	2.60E-04
309008.97	3917150.62	0.08899	0.0793	2.97E-03	1.98E-05	2.65E-04	1.57E-06	2.66E-04
309018.97	3917150.62	0.09112	0.08127	2.97E-03	1.98E-05	2.71E-04	1.61E-06	2.73E-04
309028.97	3917150.62	0.09333	0.08328	2.97E-03	1.98E-05	2.78E-04	1.65E-06	2.79E-04
309038.97	3917150.62	0.09563	0.08533	2.97E-03	1.98E-05	2.84E-04	1.69E-06	2.86E-04
309048.97	3917150.62	0.09802	0.08741	2.97E-03	1.98E-05	2.91E-04	1.73E-06	2.93E-04
309058.97	3917150.62	0.10051	0.08953	2.97E-03	1.98E-05	2.99E-04	1.77E-06	3.01E-04
309068.97	3917150.62	0.1031	0.09168	2.97E-03	1.98E-05	3.07E-04	1.81E-06	3.08E-04
309078.97	3917150.62	0.1058	0.09387	2.97E-03	1.98E-05	3.15E-04	1.86E-06	3.16E-04
309088.97	3917150.62	0.10862	0.09608	2.97E-03	1.98E-05	3.23E-04	1.90E-06	3.25E-04
309098.97	3917150.62	0.11156	0.09833	2.97E-03	1.98E-05	3.32E-04	1.95E-06	3.34E-04
309108.97	3917150.62	0.11464	0.1006	2.97E-03	1.98E-05	3.41E-04	1.99E-06	3.43E-04
309118.97	3917150.62	0.11785	0.10289	2.97E-03	1.98E-05	3.50E-04	2.04E-06	3.52E-04
309128.97	3917150.62	0.12121	0.10521	2.97E-03	1.98E-05	3.60E-04	2.08E-06	3.63E-04
308838.97	3917160.62	0.06432	0.05391	2.97E-03	1.98E-05	1.91E-04	1.07E-06	1.92E-04
308848.97	3917160.62	0.06556	0.05521	2.97E-03	1.98E-05	1.95E-04	1.09E-06	1.96E-04
308858.97	3917160.62	0.06684	0.05655	2.97E-03	1.98E-05	1.99E-04	1.12E-06	2.00E-04
308868.97	3917160.62	0.06816	0.05793	2.97E-03	1.98E-05	2.03E-04	1.15E-06	2.04E-04
308878.97	3917160.62	0.06953	0.05935	2.97E-03	1.98E-05	2.07E-04	1.17E-06	2.08E-04
308888.97	3917160.62	0.07094	0.06082	2.97E-03	1.98E-05	2.11E-04	1.20E-06	2.12E-04
308898.97	3917160.62	0.07239	0.06233	2.97E-03	1.98E-05	2.15E-04	1.23E-06	2.16E-04
308908.97	3917160.62	0.0739	0.06388	2.97E-03	1.98E-05	2.20E-04	1.26E-06	2.21E-04
308918.97	3917160.62	0.07546	0.06549	2.97E-03	1.98E-05	2.24E-04	1.30E-06	2.26E-04
308928.97	3917160.62	0.07707	0.06714	2.97E-03	1.98E-05	2.29E-04	1.33E-06	2.31E-04
308938.97	3917160.62	0.07874	0.06883	2.97E-03	1.98E-05	2.34E-04	1.36E-06	2.36E-04
308948.97	3917160.62	0.08046	0.07058	2.97E-03	1.98E-05	2.39E-04	1.40E-06	2.41E-04
308958.97	3917160.62	0.08225	0.07237	2.97E-03	1.98E-05	2.45E-04	1.43E-06	2.46E-04
308968.97	3917160.62	0.08411	0.07422	2.97E-03	1.98E-05	2.50E-04	1.47E-06	2.52E-04
308978.97	3917160.62	0.08603	0.07611	2.97E-03	1.98E-05	2.56E-04	1.51E-06	2.57E-04
308988.97	3917160.62	0.08803	0.07804	2.97E-03	1.98E-05	2.62E-04	1.54E-06	2.63E-04
308998.97	3917160.62	0.0901	0.08003	2.97E-03	1.98E-05	2.68E-04	1.58E-06	2.70E-04
309008.97	3917160.62	0.09226	0.08205	2.97E-03	1.98E-05	2.74E-04	1.62E-06	2.76E-04
309018.97	3917160.62	0.09449	0.08412	2.97E-03	1.98E-05	2.81E-04	1.66E-06	2.83E-04
309028.97	3917160.62	0.09682	0.08624	2.97E-03	1.98E-05	2.88E-04	1.71E-06	2.90E-04
309038.97	3917160.62	0.09924	0.08838	2.97E-03	1.98E-05	2.95E-04	1.75E-06	2.97E-04
309048.97	3917160.62	0.10176	0.09057	2.97E-03	1.98E-05	3.03E-04	1.79E-06	3.04E-04
309058.97	3917160.62	0.10438	0.09279	2.97E-03	1.98E-05	3.10E-04	1.84E-06	3.12E-04
309068.97	3917160.62	0.10712	0.09505	2.97E-03	1.98E-05	3.19E-04	1.88E-06	3.20E-04
309078.97	3917160.62	0.10997	0.09733	2.97E-03	1.98E-05	3.27E-04	1.93E-06	3.29E-04
309088.97	3917160.62	0.11295	0.09965	2.97E-03	1.98E-05	3.36E-04	1.97E-06	3.38E-04

309098.97	3917160.62	0.11605	0.10199	2.97E-03	1.98E-05	3.45E-04	2.02E-06	3.47E-04
309108.97	3917160.62	0.1193	0.10435	2.97E-03	1.98E-05	3.55E-04	2.06E-06	3.57E-04
309118.97	3917160.62	0.12269	0.10674	2.97E-03	1.98E-05	3.65E-04	2.11E-06	3.67E-04
309128.97	3917160.62	0.12624	0.10915	2.97E-03	1.98E-05	3.75E-04	2.16E-06	3.78E-04
308838.97	3917170.62	0.06632	0.05534	2.97E-03	1.98E-05	1.97E-04	1.09E-06	1.98E-04
308848.97	3917170.62	0.06761	0.05671	2.97E-03	1.98E-05	2.01E-04	1.12E-06	2.02E-04
308858.97	3917170.62	0.06895	0.05812	2.97E-03	1.98E-05	2.05E-04	1.15E-06	2.06E-04
308868.97	3917170.62	0.07033	0.05957	2.97E-03	1.98E-05	2.09E-04	1.18E-06	2.10E-04
308878.97	3917170.62	0.07176	0.06107	2.97E-03	1.98E-05	2.13E-04	1.21E-06	2.15E-04
308888.97	3917170.62	0.07323	0.06261	2.97E-03	1.98E-05	2.18E-04	1.24E-06	2.19E-04
308898.97	3917170.62	0.07475	0.0642	2.97E-03	1.98E-05	2.22E-04	1.27E-06	2.24E-04
308908.97	3917170.62	0.07633	0.06584	2.97E-03	1.98E-05	2.27E-04	1.30E-06	2.28E-04
308918.97	3917170.62	0.07796	0.06753	2.97E-03	1.98E-05	2.32E-04	1.34E-06	2.33E-04
308928.97	3917170.62	0.07965	0.06927	2.97E-03	1.98E-05	2.37E-04	1.37E-06	2.38E-04
308938.97	3917170.62	0.0814	0.07106	2.97E-03	1.98E-05	2.42E-04	1.41E-06	2.43E-04
308948.97	3917170.62	0.08321	0.0729	2.97E-03	1.98E-05	2.47E-04	1.44E-06	2.49E-04
308958.97	3917170.62	0.08508	0.07479	2.97E-03	1.98E-05	2.53E-04	1.48E-06	2.54E-04
308968.97	3917170.62	0.08703	0.07673	2.97E-03	1.98E-05	2.59E-04	1.52E-06	2.60E-04
308978.97	3917170.62	0.08905	0.07873	2.97E-03	1.98E-05	2.65E-04	1.56E-06	2.66E-04
308988.97	3917170.62	0.09115	0.08077	2.97E-03	1.98E-05	2.71E-04	1.60E-06	2.73E-04
308998.97	3917170.62	0.09332	0.08286	2.97E-03	1.98E-05	2.77E-04	1.64E-06	2.79E-04
309008.97	3917170.62	0.09558	0.08499	2.97E-03	1.98E-05	2.84E-04	1.68E-06	2.86E-04
309018.97	3917170.62	0.09794	0.08717	2.97E-03	1.98E-05	2.91E-04	1.72E-06	2.93E-04
309028.97	3917170.62	0.10038	0.08939	2.97E-03	1.98E-05	2.98E-04	1.77E-06	3.00E-04
309038.97	3917170.62	0.10292	0.09165	2.97E-03	1.98E-05	3.06E-04	1.81E-06	3.08E-04
309048.97	3917170.62	0.10557	0.09395	2.97E-03	1.98E-05	3.14E-04	1.86E-06	3.16E-04
309058.97	3917170.62	0.10834	0.09628	2.97E-03	1.98E-05	3.22E-04	1.91E-06	3.24E-04
309068.97	3917170.62	0.11121	0.09864	2.97E-03	1.98E-05	3.31E-04	1.95E-06	3.33E-04
309078.97	3917170.62	0.11422	0.10103	2.97E-03	1.98E-05	3.40E-04	2.00E-06	3.42E-04
309088.97	3917170.62	0.11735	0.10345	2.97E-03	1.98E-05	3.49E-04	2.05E-06	3.51E-04
309098.97	3917170.62	0.12063	0.1059	2.97E-03	1.98E-05	3.59E-04	2.10E-06	3.61E-04
309108.97	3917170.62	0.12405	0.10836	2.97E-03	1.98E-05	3.69E-04	2.14E-06	3.71E-04
309118.97	3917170.62	0.12763	0.11085	2.97E-03	1.98E-05	3.80E-04	2.19E-06	3.82E-04
309128.97	3917170.62	0.13138	0.11336	2.97E-03	1.98E-05	3.91E-04	2.24E-06	3.93E-04
308838.97	3917180.62	0.06834	0.05686	2.97E-03	1.98E-05	2.03E-04	1.13E-06	2.04E-04
308848.97	3917180.62	0.06969	0.0583	2.97E-03	1.98E-05	2.07E-04	1.15E-06	2.08E-04
308858.97	3917180.62	0.07108	0.05978	2.97E-03	1.98E-05	2.11E-04	1.18E-06	2.13E-04
308868.97	3917180.62	0.07252	0.06131	2.97E-03	1.98E-05	2.16E-04	1.21E-06	2.17E-04
308878.97	3917180.62	0.07401	0.06288	2.97E-03	1.98E-05	2.20E-04	1.24E-06	2.21E-04
308888.97	3917180.62	0.07555	0.06451	2.97E-03	1.98E-05	2.25E-04	1.28E-06	2.26E-04
308898.97	3917180.62	0.07715	0.06618	2.97E-03	1.98E-05	2.29E-04	1.31E-06	2.31E-04
308908.97	3917180.62	0.07879	0.06791	2.97E-03	1.98E-05	2.34E-04	1.34E-06	2.36E-04
308918.97	3917180.62	0.0805	0.0697	2.97E-03	1.98E-05	2.39E-04	1.38E-06	2.41E-04
308928.97	3917180.62	0.08226	0.07153	2.97E-03	1.98E-05	2.45E-04	1.42E-06	2.46E-04
308938.97	3917180.62	0.08409	0.07343	2.97E-03	1.98E-05	2.50E-04	1.45E-06	2.52E-04
308948.97	3917180.62	0.08599	0.07537	2.97E-03	1.98E-05	2.56E-04	1.49E-06	2.57E-04
308958.97	3917180.62	0.08795	0.07737	2.97E-03	1.98E-05	2.62E-04	1.53E-06	2.63E-04
308968.97	3917180.62	0.08999	0.07942	2.97E-03	1.98E-05	2.68E-04	1.57E-06	2.69E-04
308978.97	3917180.62	0.0921	0.08153	2.97E-03	1.98E-05	2.74E-04	1.61E-06	2.75E-04
308988.97	3917180.62	0.0943	0.08369	2.97E-03	1.98E-05	2.80E-04	1.66E-06	2.82E-04
308998.97	3917180.62	0.09658	0.08589	2.97E-03	1.98E-05	2.87E-04	1.70E-06	2.89E-04
309008.97	3917180.62	0.09895	0.08814	2.97E-03	1.98E-05	2.94E-04	1.74E-06	2.96E-04
309018.97	3917180.62	0.10142	0.09043	2.97E-03	1.98E-05	3.02E-04	1.79E-06	3.03E-04
309028.97	3917180.62	0.10398	0.09277	2.97E-03	1.98E-05	3.09E-04	1.84E-06	3.11E-04
309038.97	3917180.62	0.10665	0.09515	2.97E-03	1.98E-05	3.17E-04	1.88E-06	3.19E-04
309048.97	3917180.62	0.10944	0.09756	2.97E-03	1.98E-05	3.25E-04	1.93E-06	3.27E-04
309058.97	3917180.62	0.11234	0.1	2.97E-03	1.98E-05	3.34E-04	1.98E-06	3.36E-04
309068.97	3917180.62	0.11536	0.10248	2.97E-03	1.98E-05	3.43E-04	2.03E-06	3.45E-04
309078.97	3917180.62	0.11852	0.10499	2.97E-03	1.98E-05	3.52E-04	2.08E-06	3.55E-04
309088.97	3917180.62	0.12182	0.10752	2.97E-03	1.98E-05	3.62E-04	2.13E-06	3.64E-04
309098.97	3917180.62	0.12526	0.11007	2.97E-03	1.98E-05	3.72E-04	2.18E-06	3.75E-04
309108.97	3917180.62	0.12887	0.11265	2.97E-03	1.98E-05	3.83E-04	2.23E-06	3.85E-04
309118.97	3917180.62	0.13264	0.11524	2.97E-03	1.98E-05	3.94E-04	2.28E-06	3.97E-04
309128.97	3917180.62	0.13659	0.11785	2.97E-03	1.98E-05	4.06E-04	2.33E-06	4.08E-04
308758.97	3917300.62	0.0785	0.06487	2.97E-03	1.98E-05	2.33E-04	1.28E-06	2.35E-04
308768.97	3917300.62	0.08004	0.06699	2.97E-03	1.98E-05	2.38E-04	1.33E-06	2.39E-04
308778.97	3917300.62	0.08163	0.06923	2.97E-03	1.98E-05	2.43E-04	1.37E-06	2.44E-04
308788.97	3917300.62	0.08327	0.07158	2.97E-03	1.98E-05	2.48E-04	1.42E-06	2.49E-04
308798.97	3917300.62	0.08496	0.07403	2.97E-03	1.98E-05	2.53E-04	1.46E-06	2.54E-04
308758.97	3917310.62	0.08001	0.06704	2.97E-03	1.98E-05	2.38E-04	1.33E-06	2.39E-04
308768.97	3917310.62	0.08158	0.06932	2.97E-03	1.98E-05	2.43E-04	1.37E-06	2.44E-04
308778.97	3917310.62	0.0832	0.07172	2.97E-03	1.98E-05	2.47E-04	1.42E-06	2.49E-04
308788.97	3917310.62	0.08487	0.07423	2.97E-03	1.98E-05	2.52E-04	1.47E-06	2.54E-04
308798.97	3917310.62	0.0866	0.07688	2.97E-03	1.98E-05	2.58E-04	1.52E-06	2.59E-04
308758.97	3917320.62	0.08149	0.06938	2.97E-03	1.98E-05	2.42E-04	1.37E-06	2.44E-04
308768.97	3917320.62	0.08308	0.07182	2.97E-03	1.98E-05	2.47E-04	1.42E-06	2.48E-04
308778.97	3917320.62	0.08473	0.0744	2.97E-03	1.98E-05	2.52E-04	1.47E-06	2.53E-04
308788.97	3917320.62	0.08643	0.07711	2.97E-03	1.98E-05	2.57E-04	1.53E-06	2.59E-04
308798.97	3917320.62	0.08818	0.07996	2.97E-03	1.98E-05	2.62E-04	1.58E-06	2.64E-04
308758.97	3917330.62	0.08292	0.0719	2.97E-03	1.98E-05	2.47E-04	1.42E-06	2.48E-04
308768.97	3917330.62	0.08454	0.07453	2.97E-03	1.98E-05	2.51E-04	1.47E-06	2.53E-04
308778.97	3917330.62	0.08622	0.0773	2.97E-03	1.98E-05	2.56E-04	1.53E-06	2.58E-04
308788.97	3917330.62	0.08795	0.08023	2.97E-03	1.98E-05	2.62E-04	1.59E-06	2.63E-04
308798.97	3917330.62	0.08973	0.08332	2.97E-03	1.98E-05	2.67E-04	1.65E-06	2.68E-04
308758.97	3917340.62	0.08431	0.07462	2.97E-03	1.98E-05	2.51E-04	1.48E-06	2.52E-04
308768.97	3917340.62	0.08596	0.07746	2.97E-03	1.98E-05	2.56E-04	1.53E-06	2.57E-04

308778.97	3917340.62	0.08766	0.08046	2.97E-03	1.98E-05	2.61E-04	1.59E-06	2.62E-04
308788.97	3917340.62	0.08941	0.08364	2.97E-03	1.98E-05	2.66E-04	1.65E-06	2.68E-04
308798.97	3917340.62	0.09122	0.08699	2.97E-03	1.98E-05	2.71E-04	1.72E-06	2.73E-04
308758.97	3917350.62	0.08565	0.07756	2.97E-03	1.98E-05	2.55E-04	1.53E-06	2.56E-04
308768.97	3917350.62	0.08732	0.08064	2.97E-03	1.98E-05	2.60E-04	1.60E-06	2.61E-04
308778.97	3917350.62	0.08905	0.0839	2.97E-03	1.98E-05	2.65E-04	1.66E-06	2.66E-04
308788.97	3917350.62	0.09083	0.08736	2.97E-03	1.98E-05	2.70E-04	1.73E-06	2.72E-04
308798.97	3917350.62	0.09266	0.09102	2.97E-03	1.98E-05	2.76E-04	1.80E-06	2.77E-04
308758.97	3917360.62	0.08694	0.08077	2.97E-03	1.98E-05	2.59E-04	1.60E-06	2.60E-04
308768.97	3917360.62	0.08864	0.08411	2.97E-03	1.98E-05	2.64E-04	1.66E-06	2.65E-04
308778.97	3917360.62	0.09038	0.08766	2.97E-03	1.98E-05	2.69E-04	1.73E-06	2.70E-04
308788.97	3917360.62	0.09219	0.09144	2.97E-03	1.98E-05	2.74E-04	1.81E-06	2.76E-04
308798.97	3917360.62	0.09404	0.09546	2.97E-03	1.98E-05	2.80E-04	1.89E-06	2.82E-04
308758.97	3917370.62	0.08818	0.08426	2.97E-03	1.98E-05	2.62E-04	1.67E-06	2.64E-04
308768.97	3917370.62	0.0899	0.08791	2.97E-03	1.98E-05	2.67E-04	1.74E-06	2.69E-04
308778.97	3917370.62	0.09166	0.0918	2.97E-03	1.98E-05	2.73E-04	1.82E-06	2.74E-04
308788.97	3917370.62	0.09348	0.09595	2.97E-03	1.98E-05	2.78E-04	1.90E-06	2.80E-04
308798.97	3917370.62	0.09536	0.10036	2.97E-03	1.98E-05	2.84E-04	1.99E-06	2.86E-04
308808.97	3917370.62	0.09729	0.10506	2.97E-03	1.98E-05	2.89E-04	2.08E-06	2.91E-04
308818.97	3917370.62	0.09928	0.11004	2.97E-03	1.98E-05	2.95E-04	2.18E-06	2.97E-04
308828.97	3917370.62	0.10134	0.11532	2.97E-03	1.98E-05	3.01E-04	2.28E-06	3.04E-04
308838.97	3917370.62	0.10346	0.12091	2.97E-03	1.98E-05	3.08E-04	2.39E-06	3.10E-04
308848.97	3917370.62	0.10566	0.12679	2.97E-03	1.98E-05	3.14E-04	2.51E-06	3.17E-04
308858.97	3917370.62	0.10792	0.13298	2.97E-03	1.98E-05	3.21E-04	2.63E-06	3.24E-04
308868.97	3917370.62	0.11026	0.13944	2.97E-03	1.98E-05	3.28E-04	2.76E-06	3.31E-04
308888.97	3917370.62	0.11517	0.15314	2.97E-03	1.98E-05	3.42E-04	3.03E-06	3.45E-04
308898.97	3917370.62	0.11774	0.16032	2.97E-03	1.98E-05	3.50E-04	3.17E-06	3.53E-04
308908.97	3917370.62	0.1204	0.16768	2.97E-03	1.98E-05	3.58E-04	3.32E-06	3.61E-04
308918.97	3917370.62	0.12314	0.17518	2.97E-03	1.98E-05	3.66E-04	3.47E-06	3.70E-04
308928.97	3917370.62	0.12599	0.18278	2.97E-03	1.98E-05	3.75E-04	3.62E-06	3.78E-04
308938.97	3917370.62	0.12893	0.19045	2.97E-03	1.98E-05	3.83E-04	3.77E-06	3.87E-04
308948.97	3917370.62	0.13197	0.19813	2.97E-03	1.98E-05	3.92E-04	3.92E-06	3.96E-04
308758.97	3917380.62	0.08937	0.08808	2.97E-03	1.98E-05	2.66E-04	1.74E-06	2.67E-04
308768.97	3917380.62	0.0911	0.09208	2.97E-03	1.98E-05	2.71E-04	1.82E-06	2.73E-04
308778.97	3917380.62	0.09289	0.09636	2.97E-03	1.98E-05	2.76E-04	1.91E-06	2.78E-04
308788.97	3917380.62	0.09472	0.10094	2.97E-03	1.98E-05	2.82E-04	2.00E-06	2.84E-04
308798.97	3917380.62	0.09662	0.10583	2.97E-03	1.98E-05	2.87E-04	2.09E-06	2.89E-04
308808.97	3917380.62	0.09857	0.11103	2.97E-03	1.98E-05	2.93E-04	2.20E-06	2.95E-04
308818.97	3917380.62	0.10057	0.11658	2.97E-03	1.98E-05	2.99E-04	2.31E-06	3.01E-04
308828.97	3917380.62	0.10265	0.12246	2.97E-03	1.98E-05	3.05E-04	2.42E-06	3.08E-04
308838.97	3917380.62	0.10479	0.1287	2.97E-03	1.98E-05	3.12E-04	2.55E-06	3.14E-04
308848.97	3917380.62	0.10701	0.13527	2.97E-03	1.98E-05	3.18E-04	2.68E-06	3.21E-04
308858.97	3917380.62	0.1093	0.14218	2.97E-03	1.98E-05	3.25E-04	2.81E-06	3.28E-04
308868.97	3917380.62	0.11165	0.1494	2.97E-03	1.98E-05	3.32E-04	2.96E-06	3.35E-04
308888.97	3917380.62	0.11658	0.16467	2.97E-03	1.98E-05	3.47E-04	3.26E-06	3.50E-04
308898.97	3917380.62	0.11917	0.17264	2.97E-03	1.98E-05	3.54E-04	3.42E-06	3.58E-04
308908.97	3917380.62	0.12185	0.18079	2.97E-03	1.98E-05	3.62E-04	3.58E-06	3.66E-04
308918.97	3917380.62	0.12461	0.18906	2.97E-03	1.98E-05	3.71E-04	3.74E-06	3.74E-04
308928.97	3917380.62	0.12747	0.19742	2.97E-03	1.98E-05	3.79E-04	3.91E-06	3.83E-04
308938.97	3917380.62	0.13043	0.2058	2.97E-03	1.98E-05	3.88E-04	4.07E-06	3.92E-04
308948.97	3917380.62	0.1335	0.21418	2.97E-03	1.98E-05	3.97E-04	4.24E-06	4.01E-04
308758.97	3917390.62	0.0905	0.09229	2.97E-03	1.98E-05	2.69E-04	1.83E-06	2.71E-04
308768.97	3917390.62	0.09225	0.0967	2.97E-03	1.98E-05	2.74E-04	1.91E-06	2.76E-04
308778.97	3917390.62	0.09405	0.10143	2.97E-03	1.98E-05	2.80E-04	2.01E-06	2.82E-04
308788.97	3917390.62	0.0959	0.1065	2.97E-03	1.98E-05	2.85E-04	2.11E-06	2.87E-04
308798.97	3917390.62	0.09781	0.11194	2.97E-03	1.98E-05	2.91E-04	2.21E-06	2.93E-04
308808.97	3917390.62	0.09977	0.11775	2.97E-03	1.98E-05	2.97E-04	2.33E-06	2.99E-04
308818.97	3917390.62	0.10179	0.12395	2.97E-03	1.98E-05	3.03E-04	2.45E-06	3.05E-04
308828.97	3917390.62	0.10388	0.13054	2.97E-03	1.98E-05	3.09E-04	2.58E-06	3.11E-04
308838.97	3917390.62	0.10604	0.13754	2.97E-03	1.98E-05	3.15E-04	2.72E-06	3.18E-04
308848.97	3917390.62	0.10828	0.14493	2.97E-03	1.98E-05	3.22E-04	2.87E-06	3.25E-04
308858.97	3917390.62	0.11058	0.15269	2.97E-03	1.98E-05	3.29E-04	3.02E-06	3.32E-04
308868.97	3917390.62	0.11294	0.16079	2.97E-03	1.98E-05	3.36E-04	3.18E-06	3.39E-04
308938.97	3917390.62	0.13183	0.22329	2.97E-03	1.98E-05	3.92E-04	4.42E-06	3.96E-04
308948.97	3917390.62	0.1349	0.23242	2.97E-03	1.98E-05	4.01E-04	4.60E-06	4.06E-04
308758.97	3917400.62	0.09157	0.09694	2.97E-03	1.98E-05	2.72E-04	1.92E-06	2.74E-04
308768.97	3917400.62	0.09333	0.10182	2.97E-03	1.98E-05	2.78E-04	2.01E-06	2.80E-04
308778.97	3917400.62	0.09514	0.10707	2.97E-03	1.98E-05	2.83E-04	2.12E-06	2.85E-04
308788.97	3917400.62	0.09701	0.11273	2.97E-03	1.98E-05	2.88E-04	2.23E-06	2.91E-04
308798.97	3917400.62	0.09893	0.11882	2.97E-03	1.98E-05	2.94E-04	2.35E-06	2.97E-04
308808.97	3917400.62	0.1009	0.12534	2.97E-03	1.98E-05	3.00E-04	2.48E-06	3.03E-04
308818.97	3917400.62	0.10294	0.13232	2.97E-03	1.98E-05	3.06E-04	2.62E-06	3.09E-04
308838.97	3917400.62	0.10721	0.14766	2.97E-03	1.98E-05	3.19E-04	2.92E-06	3.22E-04
308848.97	3917400.62	0.10945	0.156	2.97E-03	1.98E-05	3.25E-04	3.09E-06	3.29E-04
308858.97	3917400.62	0.11176	0.16476	2.97E-03	1.98E-05	3.32E-04	3.26E-06	3.36E-04
308868.97	3917400.62	0.11414	0.17389	2.97E-03	1.98E-05	3.39E-04	3.44E-06	3.43E-04
308888.97	3917400.62	0.11914	0.19306	2.97E-03	1.98E-05	3.54E-04	3.82E-06	3.58E-04
308898.97	3917400.62	0.12175	0.20297	2.97E-03	1.98E-05	3.62E-04	4.02E-06	3.66E-04
308908.97	3917400.62	0.12445	0.21302	2.97E-03	1.98E-05	3.70E-04	4.21E-06	3.74E-04
308918.97	3917400.62	0.12724	0.22312	2.97E-03	1.98E-05	3.78E-04	4.41E-06	3.83E-04
308938.97	3917400.62	0.1331	0.24328	2.97E-03	1.98E-05	3.96E-04	4.81E-06	4.01E-04
308948.97	3917400.62	0.13619	0.25322	2.97E-03	1.98E-05	4.05E-04	5.01E-06	4.10E-04
308758.97	3917410.62	0.09259	0.10211	2.97E-03	1.98E-05	2.75E-04	2.02E-06	2.77E-04
308768.97	3917410.62	0.09436	0.10753	2.97E-03	1.98E-05	2.81E-04	2.13E-06	2.83E-04
308778.97	3917410.62	0.09618	0.11341	2.97E-03	1.98E-05	2.86E-04	2.24E-06	2.88E-04
308788.97	3917410.62	0.09806	0.11976	2.97E-03	1.98E-05	2.92E-04	2.37E-06	2.94E-04

308798.97	3917410.62	0.09998	0.12662	2.97E-03	1.98E-05	2.97E-04	2.51E-06	3.00E-04
308808.97	3917410.62	0.10197	0.13399	2.97E-03	1.98E-05	3.03E-04	2.65E-06	3.06E-04
308818.97	3917410.62	0.10402	0.1419	2.97E-03	1.98E-05	3.09E-04	2.81E-06	3.12E-04
308838.97	3917410.62	0.1083	0.15932	2.97E-03	1.98E-05	3.22E-04	3.15E-06	3.25E-04
308848.97	3917410.62	0.11054	0.1688	2.97E-03	1.98E-05	3.29E-04	3.34E-06	3.32E-04
308858.97	3917410.62	0.11286	0.17873	2.97E-03	1.98E-05	3.36E-04	3.54E-06	3.39E-04
308868.97	3917410.62	0.11525	0.18908	2.97E-03	1.98E-05	3.43E-04	3.74E-06	3.46E-04
308888.97	3917410.62	0.12028	0.21067	2.97E-03	1.98E-05	3.58E-04	4.17E-06	3.62E-04
308898.97	3917410.62	0.1229	0.22176	2.97E-03	1.98E-05	3.65E-04	4.39E-06	3.70E-04
308908.97	3917410.62	0.1256	0.23293	2.97E-03	1.98E-05	3.73E-04	4.61E-06	3.78E-04
308918.97	3917410.62	0.1284	0.24412	2.97E-03	1.98E-05	3.82E-04	4.83E-06	3.87E-04
308938.97	3917410.62	0.13428	0.26623	2.97E-03	1.98E-05	3.99E-04	5.27E-06	4.05E-04
308948.97	3917410.62	0.13737	0.27703	2.97E-03	1.98E-05	4.08E-04	5.48E-06	4.14E-04
308758.97	3917420.62	0.09355	0.10788	2.97E-03	1.98E-05	2.78E-04	2.13E-06	2.80E-04
308768.97	3917420.62	0.09532	0.11395	2.97E-03	1.98E-05	2.83E-04	2.25E-06	2.86E-04
308778.97	3917420.62	0.09715	0.12057	2.97E-03	1.98E-05	2.89E-04	2.39E-06	2.91E-04
308788.97	3917420.62	0.09903	0.12775	2.97E-03	1.98E-05	2.94E-04	2.53E-06	2.97E-04
308798.97	3917420.62	0.10097	0.13553	2.97E-03	1.98E-05	3.00E-04	2.68E-06	3.03E-04
308808.97	3917420.62	0.10297	0.14392	2.97E-03	1.98E-05	3.06E-04	2.85E-06	3.09E-04
308818.97	3917420.62	0.10502	0.15295	2.97E-03	1.98E-05	3.12E-04	3.03E-06	3.15E-04
308838.97	3917420.62	0.10931	0.17288	2.97E-03	1.98E-05	3.25E-04	3.42E-06	3.28E-04
308848.97	3917420.62	0.11156	0.18371	2.97E-03	1.98E-05	3.32E-04	3.63E-06	3.35E-04
308858.97	3917420.62	0.11387	0.19504	2.97E-03	1.98E-05	3.39E-04	3.86E-06	3.42E-04
308868.97	3917420.62	0.11628	0.20681	2.97E-03	1.98E-05	3.46E-04	4.09E-06	3.50E-04
308888.97	3917420.62	0.12132	0.2312	2.97E-03	1.98E-05	3.61E-04	4.57E-06	3.65E-04
308898.97	3917420.62	0.12394	0.24362	2.97E-03	1.98E-05	3.69E-04	4.82E-06	3.73E-04
308908.97	3917420.62	0.12666	0.25607	2.97E-03	1.98E-05	3.77E-04	5.07E-06	3.82E-04
308918.97	3917420.62	0.12946	0.26844	2.97E-03	1.98E-05	3.85E-04	5.31E-06	3.90E-04
308938.97	3917420.62	0.13534	0.29267	2.97E-03	1.98E-05	4.02E-04	5.79E-06	4.08E-04
308948.97	3917420.62	0.13844	0.3044	2.97E-03	1.98E-05	4.12E-04	6.02E-06	4.18E-04
308758.97	3917430.62	0.09444	0.11436	2.97E-03	1.98E-05	2.81E-04	2.26E-06	2.83E-04
308768.97	3917430.62	0.09623	0.12121	2.97E-03	1.98E-05	2.86E-04	2.40E-06	2.89E-04
308778.97	3917430.62	0.09806	0.12871	2.97E-03	1.98E-05	2.92E-04	2.55E-06	2.94E-04
308788.97	3917430.62	0.09995	0.13689	2.97E-03	1.98E-05	2.97E-04	2.71E-06	3.00E-04
308798.97	3917430.62	0.10189	0.14579	2.97E-03	1.98E-05	3.03E-04	2.88E-06	3.06E-04
308808.97	3917430.62	0.10389	0.15543	2.97E-03	1.98E-05	3.09E-04	3.08E-06	3.12E-04
308818.97	3917430.62	0.10595	0.16583	2.97E-03	1.98E-05	3.15E-04	3.28E-06	3.18E-04
308838.97	3917430.62	0.11026	0.18879	2.97E-03	1.98E-05	3.28E-04	3.74E-06	3.32E-04
308848.97	3917430.62	0.11251	0.20125	2.97E-03	1.98E-05	3.35E-04	3.98E-06	3.39E-04
308858.97	3917430.62	0.11482	0.21424	2.97E-03	1.98E-05	3.41E-04	4.24E-06	3.46E-04
308868.97	3917430.62	0.11722	0.22767	2.97E-03	1.98E-05	3.49E-04	4.50E-06	3.53E-04
308888.97	3917430.62	0.12225	0.25528	2.97E-03	1.98E-05	3.64E-04	5.05E-06	3.69E-04
308898.97	3917430.62	0.12489	0.26921	2.97E-03	1.98E-05	3.71E-04	5.33E-06	3.77E-04
308908.97	3917430.62	0.12761	0.28308	2.97E-03	1.98E-05	3.79E-04	5.60E-06	3.85E-04
308918.97	3917430.62	0.13042	0.29676	2.97E-03	1.98E-05	3.88E-04	5.87E-06	3.94E-04
308938.97	3917430.62	0.1363	0.32326	2.97E-03	1.98E-05	4.05E-04	6.40E-06	4.12E-04
308948.97	3917430.62	0.13939	0.33596	2.97E-03	1.98E-05	4.14E-04	6.65E-06	4.21E-04
308758.97	3917440.62	0.09528	0.12169	2.97E-03	1.98E-05	2.83E-04	2.41E-06	2.86E-04
308768.97	3917440.62	0.09707	0.12948	2.97E-03	1.98E-05	2.89E-04	2.56E-06	2.91E-04
308778.97	3917440.62	0.09891	0.13805	2.97E-03	1.98E-05	2.94E-04	2.73E-06	2.97E-04
308788.97	3917440.62	0.1008	0.14746	2.97E-03	1.98E-05	3.00E-04	2.92E-06	3.03E-04
308798.97	3917440.62	0.10275	0.15773	2.97E-03	1.98E-05	3.06E-04	3.12E-06	3.09E-04
308808.97	3917440.62	0.10475	0.16891	2.97E-03	1.98E-05	3.11E-04	3.34E-06	3.15E-04
308818.97	3917440.62	0.10681	0.18098	2.97E-03	1.98E-05	3.18E-04	3.58E-06	3.21E-04
308838.97	3917440.62	0.11112	0.20765	2.97E-03	1.98E-05	3.30E-04	4.11E-06	3.35E-04
308848.97	3917440.62	0.11337	0.22207	2.97E-03	1.98E-05	3.37E-04	4.39E-06	3.42E-04
308858.97	3917440.62	0.11569	0.23703	2.97E-03	1.98E-05	3.44E-04	4.69E-06	3.49E-04
308868.97	3917440.62	0.11809	0.25241	2.97E-03	1.98E-05	3.51E-04	4.99E-06	3.56E-04
308888.97	3917440.62	0.1231	0.2837	2.97E-03	1.98E-05	3.66E-04	5.61E-06	3.72E-04
308898.97	3917440.62	0.12574	0.29934	2.97E-03	1.98E-05	3.74E-04	5.92E-06	3.80E-04
308908.97	3917440.62	0.12847	0.31478	2.97E-03	1.98E-05	3.82E-04	6.23E-06	3.88E-04
308918.97	3917440.62	0.13128	0.32989	2.97E-03	1.98E-05	3.90E-04	6.53E-06	3.97E-04
308938.97	3917440.62	0.13716	0.3588	2.97E-03	1.98E-05	4.08E-04	7.10E-06	4.15E-04
308948.97	3917440.62	0.14024	0.37249	2.97E-03	1.98E-05	4.17E-04	7.37E-06	4.24E-04
308758.97	3917450.62	0.09606	0.13005	2.97E-03	1.98E-05	2.86E-04	2.57E-06	2.88E-04
308768.97	3917450.62	0.09785	0.13899	2.97E-03	1.98E-05	2.91E-04	2.75E-06	2.94E-04
308778.97	3917450.62	0.09969	0.14888	2.97E-03	1.98E-05	2.96E-04	2.95E-06	2.99E-04
308788.97	3917450.62	0.10158	0.15979	2.97E-03	1.98E-05	3.02E-04	3.16E-06	3.05E-04
308798.97	3917450.62	0.10353	0.17178	2.97E-03	1.98E-05	3.08E-04	3.40E-06	3.11E-04
308808.97	3917450.62	0.10554	0.18486	2.97E-03	1.98E-05	3.14E-04	3.66E-06	3.17E-04
308818.97	3917450.62	0.1076	0.19902	2.97E-03	1.98E-05	3.20E-04	3.94E-06	3.24E-04
308838.97	3917450.62	0.11191	0.23023	2.97E-03	1.98E-05	3.33E-04	4.56E-06	3.37E-04
308848.97	3917450.62	0.11416	0.24701	2.97E-03	1.98E-05	3.39E-04	4.89E-06	3.44E-04
308858.97	3917450.62	0.11648	0.26433	2.97E-03	1.98E-05	3.46E-04	5.23E-06	3.52E-04
308868.97	3917450.62	0.11887	0.28198	2.97E-03	1.98E-05	3.53E-04	5.58E-06	3.59E-04
308888.97	3917450.62	0.12387	0.31749	2.97E-03	1.98E-05	3.68E-04	6.28E-06	3.75E-04
308898.97	3917450.62	0.12651	0.33503	2.97E-03	1.98E-05	3.76E-04	6.63E-06	3.83E-04
308908.97	3917450.62	0.12924	0.35218	2.97E-03	1.98E-05	3.84E-04	6.97E-06	3.91E-04
308918.97	3917450.62	0.13205	0.36883	2.97E-03	1.98E-05	3.93E-04	7.30E-06	4.00E-04
308938.97	3917450.62	0.13792	0.40026	2.97E-03	1.98E-05	4.10E-04	7.92E-06	4.18E-04
308948.97	3917450.62	0.141	0.41498	2.97E-03	1.98E-05	4.19E-04	8.21E-06	4.27E-04
308758.97	3917460.62	0.09678	0.13966	2.97E-03	1.98E-05	2.88E-04	2.76E-06	2.91E-04
308768.97	3917460.62	0.09857	0.15001	2.97E-03	1.98E-05	2.93E-04	2.97E-06	2.96E-04
308778.97	3917460.62	0.10041	0.16154	2.97E-03	1.98E-05	2.99E-04	3.20E-06	3.02E-04
308788.97	3917460.62	0.10231	0.17435	2.97E-03	1.98E-05	3.04E-04	3.45E-06	3.08E-04
308798.97	3917460.62	0.10425	0.1885	2.97E-03	1.98E-05	3.10E-04	3.73E-06	3.14E-04

308808.97	3917460.62	0.10626	0.20398	2.97E-03	1.98E-05	3.16E-04	4.04E-06	3.20E-04
308818.97	3917460.62	0.10832	0.22075	2.97E-03	1.98E-05	3.22E-04	4.37E-06	3.26E-04
308838.97	3917460.62	0.11262	0.25758	2.97E-03	1.98E-05	3.35E-04	5.10E-06	3.40E-04
308848.97	3917460.62	0.11487	0.27722	2.97E-03	1.98E-05	3.42E-04	5.49E-06	3.47E-04
308858.97	3917460.62	0.11719	0.29733	2.97E-03	1.98E-05	3.48E-04	5.88E-06	3.54E-04
308868.97	3917460.62	0.11957	0.31765	2.97E-03	1.98E-05	3.56E-04	6.29E-06	3.62E-04
308888.97	3917460.62	0.12457	0.35794	2.97E-03	1.98E-05	3.70E-04	7.08E-06	3.78E-04
308898.97	3917460.62	0.12721	0.37756	2.97E-03	1.98E-05	3.78E-04	7.47E-06	3.86E-04
308908.97	3917460.62	0.12992	0.39656	2.97E-03	1.98E-05	3.86E-04	7.85E-06	3.94E-04
308918.97	3917460.62	0.13273	0.41483	2.97E-03	1.98E-05	3.95E-04	8.21E-06	4.03E-04
308938.97	3917460.62	0.13858	0.44885	2.97E-03	1.98E-05	4.12E-04	8.88E-06	4.21E-04
308948.97	3917460.62	0.14165	0.46459	2.97E-03	1.98E-05	4.21E-04	9.19E-06	4.30E-04
308758.97	3917470.62	0.09744	0.15082	2.97E-03	1.98E-05	2.90E-04	2.98E-06	2.93E-04
308768.97	3917470.62	0.09923	0.16293	2.97E-03	1.98E-05	2.95E-04	3.22E-06	2.98E-04
308778.97	3917470.62	0.10107	0.17655	2.97E-03	1.98E-05	3.01E-04	3.49E-06	3.04E-04
308788.97	3917470.62	0.10296	0.19178	2.97E-03	1.98E-05	3.06E-04	3.79E-06	3.10E-04
308798.97	3917470.62	0.10491	0.20868	2.97E-03	1.98E-05	3.12E-04	4.13E-06	3.16E-04
308808.97	3917470.62	0.10691	0.22723	2.97E-03	1.98E-05	3.18E-04	4.50E-06	3.22E-04
308818.97	3917470.62	0.10897	0.24731	2.97E-03	1.98E-05	3.24E-04	4.89E-06	3.29E-04
308838.97	3917470.62	0.11326	0.2911	2.97E-03	1.98E-05	3.37E-04	5.76E-06	3.43E-04
308848.97	3917470.62	0.11551	0.31419	2.97E-03	1.98E-05	3.43E-04	6.22E-06	3.50E-04
308858.97	3917470.62	0.11782	0.33761	2.97E-03	1.98E-05	3.50E-04	6.68E-06	3.57E-04
308868.97	3917470.62	0.1202	0.36101	2.97E-03	1.98E-05	3.57E-04	7.14E-06	3.65E-04
308888.97	3917470.62	0.12519	0.40664	2.97E-03	1.98E-05	3.72E-04	8.05E-06	3.80E-04
308898.97	3917470.62	0.12781	0.42853	2.97E-03	1.98E-05	3.80E-04	8.48E-06	3.89E-04
308908.97	3917470.62	0.13053	0.4495	2.97E-03	1.98E-05	3.88E-04	8.89E-06	3.97E-04
308918.97	3917470.62	0.13333	0.46945	2.97E-03	1.98E-05	3.96E-04	9.29E-06	4.06E-04
308938.97	3917470.62	0.13916	0.50609	2.97E-03	1.98E-05	4.14E-04	1.00E-05	4.24E-04
308948.97	3917470.62	0.14222	0.52283	2.97E-03	1.98E-05	4.23E-04	1.03E-05	4.33E-04
308758.97	3917480.62	0.09805	0.16394	2.97E-03	1.98E-05	2.92E-04	3.24E-06	2.95E-04
308768.97	3917480.62	0.09984	0.17831	2.97E-03	1.98E-05	2.97E-04	3.53E-06	3.00E-04
308778.97	3917480.62	0.10168	0.19461	2.97E-03	1.98E-05	3.02E-04	3.85E-06	3.06E-04
308788.97	3917480.62	0.10356	0.213	2.97E-03	1.98E-05	3.08E-04	4.21E-06	3.12E-04
308798.97	3917480.62	0.10551	0.23349	2.97E-03	1.98E-05	3.14E-04	4.62E-06	3.18E-04
308808.97	3917480.62	0.10751	0.25601	2.97E-03	1.98E-05	3.20E-04	5.07E-06	3.25E-04
308818.97	3917480.62	0.10956	0.28031	2.97E-03	1.98E-05	3.26E-04	5.55E-06	3.31E-04
308838.97	3917480.62	0.11385	0.33277	2.97E-03	1.98E-05	3.39E-04	6.58E-06	3.45E-04
308848.97	3917480.62	0.11609	0.36001	2.97E-03	1.98E-05	3.45E-04	7.12E-06	3.52E-04
308858.97	3917480.62	0.11839	0.3873	2.97E-03	1.98E-05	3.52E-04	7.66E-06	3.60E-04
308868.97	3917480.62	0.12077	0.41424	2.97E-03	1.98E-05	3.59E-04	8.20E-06	3.67E-04
308938.97	3917480.62	0.13965	0.5739	2.97E-03	1.98E-05	4.15E-04	1.14E-05	4.27E-04
308948.97	3917480.62	0.1427	0.59161	2.97E-03	1.98E-05	4.24E-04	1.17E-05	4.36E-04
308758.97	3917490.62	0.09861	0.17958	2.97E-03	1.98E-05	2.93E-04	3.55E-06	2.97E-04
308768.97	3917490.62	0.10039	0.1969	2.97E-03	1.98E-05	2.99E-04	3.90E-06	3.02E-04
308778.97	3917490.62	0.10223	0.21676	2.97E-03	1.98E-05	3.04E-04	4.29E-06	3.08E-04
308788.97	3917490.62	0.10412	0.23933	2.97E-03	1.98E-05	3.10E-04	4.74E-06	3.14E-04
308798.97	3917490.62	0.10605	0.26458	2.97E-03	1.98E-05	3.15E-04	5.24E-06	3.21E-04
308808.97	3917490.62	0.10804	0.2923	2.97E-03	1.98E-05	3.21E-04	5.78E-06	3.27E-04
308818.97	3917490.62	0.11009	0.32206	2.97E-03	1.98E-05	3.27E-04	6.37E-06	3.34E-04
308838.97	3917490.62	0.11437	0.38529	2.97E-03	1.98E-05	3.40E-04	7.62E-06	3.48E-04
308848.97	3917490.62	0.11661	0.41748	2.97E-03	1.98E-05	3.47E-04	8.26E-06	3.55E-04
308858.97	3917490.62	0.11891	0.44926	2.97E-03	1.98E-05	3.54E-04	8.89E-06	3.62E-04
308868.97	3917490.62	0.12127	0.48016	2.97E-03	1.98E-05	3.61E-04	9.50E-06	3.70E-04
308878.97	3917490.62	0.12371	0.50983	2.97E-03	1.98E-05	3.68E-04	1.01E-05	3.78E-04
308888.97	3917490.62	0.12623	0.53804	2.97E-03	1.98E-05	3.75E-04	1.06E-05	3.86E-04
308898.97	3917490.62	0.12883	0.56473	2.97E-03	1.98E-05	3.83E-04	1.12E-05	3.94E-04
308908.97	3917490.62	0.13151	0.58974	2.97E-03	1.98E-05	3.91E-04	1.17E-05	4.03E-04
308918.97	3917490.62	0.13428	0.61307	2.97E-03	1.98E-05	3.99E-04	1.21E-05	4.11E-04
308938.97	3917490.62	0.14006	0.65478	2.97E-03	1.98E-05	4.16E-04	1.30E-05	4.29E-04
308948.97	3917490.62	0.1431	0.67342	2.97E-03	1.98E-05	4.26E-04	1.33E-05	4.39E-04
308758.97	3917500.62	0.09911	0.19849	2.97E-03	1.98E-05	2.95E-04	3.93E-06	2.99E-04
308768.97	3917500.62	0.10089	0.21974	2.97E-03	1.98E-05	3.00E-04	4.35E-06	3.04E-04
308778.97	3917500.62	0.10272	0.2444	2.97E-03	1.98E-05	3.05E-04	4.84E-06	3.10E-04
308788.97	3917500.62	0.10461	0.27265	2.97E-03	1.98E-05	3.11E-04	5.39E-06	3.16E-04
308798.97	3917500.62	0.10654	0.30431	2.97E-03	1.98E-05	3.17E-04	6.02E-06	3.23E-04
308808.97	3917500.62	0.10853	0.33892	2.97E-03	1.98E-05	3.23E-04	6.71E-06	3.29E-04
308818.97	3917500.62	0.11057	0.37572	2.97E-03	1.98E-05	3.29E-04	7.43E-06	3.36E-04
308838.97	3917500.62	0.11483	0.45225	2.97E-03	1.98E-05	3.41E-04	8.95E-06	3.50E-04
308848.97	3917500.62	0.11706	0.49026	2.97E-03	1.98E-05	3.48E-04	9.70E-06	3.58E-04
308858.97	3917500.62	0.11935	0.52714	2.97E-03	1.98E-05	3.55E-04	1.04E-05	3.65E-04
308868.97	3917500.62	0.12171	0.56241	2.97E-03	1.98E-05	3.62E-04	1.11E-05	3.73E-04
308878.97	3917500.62	0.12414	0.59575	2.97E-03	1.98E-05	3.69E-04	1.18E-05	3.81E-04
308888.97	3917500.62	0.12664	0.62698	2.97E-03	1.98E-05	3.77E-04	1.24E-05	3.89E-04
308898.97	3917500.62	0.12923	0.6561	2.97E-03	1.98E-05	3.84E-04	1.30E-05	3.97E-04
308908.97	3917500.62	0.13189	0.68307	2.97E-03	1.98E-05	3.92E-04	1.35E-05	4.06E-04
308918.97	3917500.62	0.13464	0.70797	2.97E-03	1.98E-05	4.00E-04	1.40E-05	4.14E-04
308938.97	3917500.62	0.1404	0.75204	2.97E-03	1.98E-05	4.17E-04	1.49E-05	4.32E-04
308948.97	3917500.62	0.14342	0.77155	2.97E-03	1.98E-05	4.26E-04	1.53E-05	4.42E-04
308758.97	3917510.62	0.09956	0.22176	2.97E-03	1.98E-05	2.96E-04	4.39E-06	3.00E-04
308768.97	3917510.62	0.10134	0.2484	2.97E-03	1.98E-05	3.01E-04	4.91E-06	3.06E-04
308778.97	3917510.62	0.10317	0.27975	2.97E-03	1.98E-05	3.07E-04	5.54E-06	3.12E-04
308788.97	3917510.62	0.10504	0.31587	2.97E-03	1.98E-05	3.12E-04	6.25E-06	3.19E-04
308798.97	3917510.62	0.10697	0.35631	2.97E-03	1.98E-05	3.18E-04	7.05E-06	3.25E-04
308808.97	3917510.62	0.10895	0.40009	2.97E-03	1.98E-05	3.24E-04	7.92E-06	3.32E-04
308818.97	3917510.62	0.11099	0.44597	2.97E-03	1.98E-05	3.30E-04	8.82E-06	3.39E-04
308838.97	3917510.62	0.11524	0.53874	2.97E-03	1.98E-05	3.43E-04	1.07E-05	3.53E-04

308848.97	3917510.62	0.11745	0.58343	2.97E-03	1.98E-05	3.49E-04	1.15E-05	3.61E-04
308858.97	3917510.62	0.11973	0.62597	2.97E-03	1.98E-05	3.56E-04	1.24E-05	3.68E-04
308868.97	3917510.62	0.12208	0.66592	2.97E-03	1.98E-05	3.63E-04	1.32E-05	3.76E-04
308878.97	3917510.62	0.1245	0.70304	2.97E-03	1.98E-05	3.70E-04	1.39E-05	3.84E-04
308888.97	3917510.62	0.127	0.73732	2.97E-03	1.98E-05	3.78E-04	1.46E-05	3.92E-04
308898.97	3917510.62	0.12957	0.76881	2.97E-03	1.98E-05	3.85E-04	1.52E-05	4.01E-04
308908.97	3917510.62	0.13221	0.79765	2.97E-03	1.98E-05	3.93E-04	1.58E-05	4.09E-04
308918.97	3917510.62	0.13495	0.82404	2.97E-03	1.98E-05	4.01E-04	1.63E-05	4.18E-04
308938.97	3917510.62	0.14068	0.87036	2.97E-03	1.98E-05	4.18E-04	1.72E-05	4.36E-04
308948.97	3917510.62	0.14368	0.89069	2.97E-03	1.98E-05	4.27E-04	1.76E-05	4.45E-04
308758.97	3917520.62	0.09997	0.25104	2.97E-03	1.98E-05	2.97E-04	4.97E-06	3.02E-04
308768.97	3917520.62	0.10174	0.28535	2.97E-03	1.98E-05	3.03E-04	5.65E-06	3.08E-04
308778.97	3917520.62	0.10356	0.32627	2.97E-03	1.98E-05	3.08E-04	6.46E-06	3.14E-04
308788.97	3917520.62	0.10543	0.3736	2.97E-03	1.98E-05	3.14E-04	7.39E-06	3.21E-04
308798.97	3917520.62	0.10735	0.42617	2.97E-03	1.98E-05	3.19E-04	8.43E-06	3.28E-04
308808.97	3917520.62	0.10932	0.48221	2.97E-03	1.98E-05	3.25E-04	9.54E-06	3.35E-04
308818.97	3917520.62	0.11135	0.5397	2.97E-03	1.98E-05	3.31E-04	1.07E-05	3.42E-04
308838.97	3917520.62	0.11558	0.65188	2.97E-03	1.98E-05	3.44E-04	1.29E-05	3.57E-04
308848.97	3917520.62	0.11779	0.70404	2.97E-03	1.98E-05	3.50E-04	1.39E-05	3.64E-04
308858.97	3917520.62	0.12006	0.75265	2.97E-03	1.98E-05	3.57E-04	1.49E-05	3.72E-04
308868.97	3917520.62	0.1224	0.79742	2.97E-03	1.98E-05	3.64E-04	1.58E-05	3.80E-04
308878.97	3917520.62	0.12481	0.83833	2.97E-03	1.98E-05	3.71E-04	1.66E-05	3.88E-04
308888.97	3917520.62	0.12729	0.87557	2.97E-03	1.98E-05	3.79E-04	1.73E-05	3.96E-04
308898.97	3917520.62	0.12985	0.90937	2.97E-03	1.98E-05	3.86E-04	1.80E-05	4.04E-04
308908.97	3917520.62	0.13248	0.94001	2.97E-03	1.98E-05	3.94E-04	1.86E-05	4.13E-04
308918.97	3917520.62	0.1352	0.96784	2.97E-03	1.98E-05	4.02E-04	1.91E-05	4.21E-04
308938.97	3917520.62	0.1409	1.01629	2.97E-03	1.98E-05	4.19E-04	2.01E-05	4.39E-04
308948.97	3917520.62	0.14389	1.03745	2.97E-03	1.98E-05	4.28E-04	2.05E-05	4.48E-04
308758.97	3917530.62	0.10033	0.28885	2.97E-03	1.98E-05	2.98E-04	5.72E-06	3.04E-04
308768.97	3917530.62	0.10209	0.33447	2.97E-03	1.98E-05	3.04E-04	6.62E-06	3.10E-04
308778.97	3917530.62	0.1039	0.38959	2.97E-03	1.98E-05	3.09E-04	7.71E-06	3.17E-04
308788.97	3917530.62	0.10576	0.45313	2.97E-03	1.98E-05	3.14E-04	8.97E-06	3.23E-04
308798.97	3917530.62	0.10768	0.52255	2.97E-03	1.98E-05	3.20E-04	1.03E-05	3.31E-04
308808.97	3917530.62	0.10964	0.59475	2.97E-03	1.98E-05	3.26E-04	1.18E-05	3.38E-04
308818.97	3917530.62	0.11166	0.66679	2.97E-03	1.98E-05	3.32E-04	1.32E-05	3.45E-04
308838.97	3917530.62	0.11587	0.80143	2.97E-03	1.98E-05	3.45E-04	1.59E-05	3.60E-04
308848.97	3917530.62	0.11807	0.86163	2.97E-03	1.98E-05	3.51E-04	1.70E-05	3.68E-04
308858.97	3917530.62	0.12033	0.9165	2.97E-03	1.98E-05	3.58E-04	1.81E-05	3.76E-04
308868.97	3917530.62	0.12266	0.96603	2.97E-03	1.98E-05	3.65E-04	1.91E-05	3.84E-04
308878.97	3917530.62	0.12505	1.01058	2.97E-03	1.98E-05	3.72E-04	2.00E-05	3.92E-04
308888.97	3917530.62	0.12752	1.05065	2.97E-03	1.98E-05	3.79E-04	2.08E-05	4.00E-04
308898.97	3917530.62	0.13006	1.08661	2.97E-03	1.98E-05	3.87E-04	2.15E-05	4.08E-04
308908.97	3917530.62	0.13269	1.11892	2.97E-03	1.98E-05	3.95E-04	2.21E-05	4.17E-04
308918.97	3917530.62	0.13539	1.14815	2.97E-03	1.98E-05	4.03E-04	2.27E-05	4.25E-04
308938.97	3917530.62	0.14106	1.1988	2.97E-03	1.98E-05	4.19E-04	2.37E-05	4.43E-04
308948.97	3917530.62	0.14403	1.22089	2.97E-03	1.98E-05	4.28E-04	2.42E-05	4.52E-04
308808.97	3917540.62	0.10991	0.75191	2.97E-03	1.98E-05	3.27E-04	1.49E-05	3.42E-04
308818.97	3917540.62	0.11192	0.84143	2.97E-03	1.98E-05	3.33E-04	1.66E-05	3.49E-04
308838.97	3917540.62	0.11611	1.00054	2.97E-03	1.98E-05	3.45E-04	1.98E-05	3.65E-04
308848.97	3917540.62	0.11829	1.06901	2.97E-03	1.98E-05	3.52E-04	2.12E-05	3.73E-04
308858.97	3917540.62	0.12054	1.13006	2.97E-03	1.98E-05	3.58E-04	2.24E-05	3.81E-04
308868.97	3917540.62	0.12285	1.18406	2.97E-03	1.98E-05	3.65E-04	2.34E-05	3.89E-04
308878.97	3917540.62	0.12524	1.23205	2.97E-03	1.98E-05	3.72E-04	2.44E-05	3.97E-04
308888.97	3917540.62	0.1277	1.27488	2.97E-03	1.98E-05	3.80E-04	2.52E-05	4.05E-04
308898.97	3917540.62	0.13023	1.31287	2.97E-03	1.98E-05	3.87E-04	2.60E-05	4.13E-04
308908.97	3917540.62	0.13283	1.34677	2.97E-03	1.98E-05	3.95E-04	2.66E-05	4.22E-04
308918.97	3917540.62	0.13552	1.37756	2.97E-03	1.98E-05	4.03E-04	2.73E-05	4.30E-04
308938.97	3917540.62	0.14116	1.43066	2.97E-03	1.98E-05	4.20E-04	2.83E-05	4.48E-04
308948.97	3917540.62	0.14411	1.45394	2.97E-03	1.98E-05	4.29E-04	2.88E-05	4.57E-04
308808.97	3917550.62	0.11013	0.97495	2.97E-03	1.98E-05	3.27E-04	1.93E-05	3.47E-04
308818.97	3917550.62	0.11212	1.08368	2.97E-03	1.98E-05	3.33E-04	2.14E-05	3.55E-04
308838.97	3917550.62	0.11628	1.2673	2.97E-03	1.98E-05	3.46E-04	2.51E-05	3.71E-04
308848.97	3917550.62	0.11846	1.344	2.97E-03	1.98E-05	3.52E-04	2.66E-05	3.79E-04
308858.97	3917550.62	0.1207	1.41085	2.97E-03	1.98E-05	3.59E-04	2.79E-05	3.87E-04
308868.97	3917550.62	0.123	1.46881	2.97E-03	1.98E-05	3.66E-04	2.91E-05	3.95E-04
308878.97	3917550.62	0.12537	1.52024	2.97E-03	1.98E-05	3.73E-04	3.01E-05	4.03E-04
308888.97	3917550.62	0.12781	1.56597	2.97E-03	1.98E-05	3.80E-04	3.10E-05	4.11E-04
308898.97	3917550.62	0.13033	1.60583	2.97E-03	1.98E-05	3.88E-04	3.18E-05	4.19E-04
308908.97	3917550.62	0.13292	1.64143	2.97E-03	1.98E-05	3.95E-04	3.25E-05	4.28E-04
308918.97	3917550.62	0.13559	1.67432	2.97E-03	1.98E-05	4.03E-04	3.31E-05	4.36E-04
308938.97	3917550.62	0.14119	1.73033	2.97E-03	1.98E-05	4.20E-04	3.42E-05	4.54E-04
308948.97	3917550.62	0.14412	1.7555	2.97E-03	1.98E-05	4.29E-04	3.47E-05	4.63E-04
308808.97	3917560.62	0.1103	1.29479	2.97E-03	1.98E-05	3.28E-04	2.56E-05	3.54E-04
308818.97	3917560.62	0.11229	1.4228	2.97E-03	1.98E-05	3.34E-04	2.82E-05	3.62E-04
308838.97	3917560.62	0.11642	1.62779	2.97E-03	1.98E-05	3.46E-04	3.22E-05	3.78E-04
308848.97	3917560.62	0.11858	1.7125	2.97E-03	1.98E-05	3.53E-04	3.39E-05	3.86E-04
308858.97	3917560.62	0.12081	1.78448	2.97E-03	1.98E-05	3.59E-04	3.53E-05	3.95E-04
308868.97	3917560.62	0.1231	1.84585	2.97E-03	1.98E-05	3.66E-04	3.65E-05	4.03E-04
308878.97	3917560.62	0.12546	1.9014	2.97E-03	1.98E-05	3.73E-04	3.76E-05	4.11E-04
308938.97	3917560.62	0.14118	2.1252	2.97E-03	1.98E-05	4.20E-04	4.20E-05	4.62E-04
308948.97	3917560.62	0.1441	2.15363	2.97E-03	1.98E-05	4.28E-04	4.26E-05	4.71E-04
308808.97	3917570.62	0.11044	1.75006	2.97E-03	1.98E-05	3.28E-04	3.46E-05	3.63E-04
308818.97	3917570.62	0.11241	1.89253	2.97E-03	1.98E-05	3.34E-04	3.74E-05	3.72E-04
308838.97	3917570.62	0.11652	2.11569	2.97E-03	1.98E-05	3.46E-04	4.19E-05	3.88E-04
308848.97	3917570.62	0.11867	2.20562	2.97E-03	1.98E-05	3.53E-04	4.36E-05	3.97E-04
308858.97	3917570.62	0.12088	2.27891	2.97E-03	1.98E-05	3.59E-04	4.51E-05	4.05E-04

308868.97	3917570.62	0.12316	2.34608	2.97E-03	1.98E-05	3.66E-04	4.64E-05	4.13E-04
308878.97	3917570.62	0.1255	2.40671	2.97E-03	1.98E-05	3.73E-04	4.76E-05	4.21E-04
308938.97	3917570.62	0.14113	2.07091	2.97E-03	1.98E-05	4.20E-04	4.10E-05	4.61E-04
308948.97	3917570.62	0.14403	1.9116	2.97E-03	1.98E-05	4.28E-04	3.78E-05	4.66E-04
308868.97	3917580.62	0.12318	2.14097	2.97E-03	1.98E-05	3.66E-04	4.24E-05	4.09E-04
308878.97	3917580.62	0.12551	1.9462	2.97E-03	1.98E-05	3.73E-04	3.85E-05	4.12E-04
308880.66	3917999.48	0.10999	0.12181	2.97E-03	1.98E-05	3.27E-04	2.41E-06	3.29E-04
308899.6	3917993.17	0.11307	0.12599	2.97E-03	1.98E-05	3.36E-04	2.49E-06	3.39E-04
308916.74	3917994.97	0.11538	0.12716	2.97E-03	1.98E-05	3.43E-04	2.52E-06	3.46E-04
308930.26	3918002.19	0.11674	0.12596	2.97E-03	1.98E-05	3.47E-04	2.49E-06	3.50E-04
308942.89	3918005.79	0.11823	0.12594	2.97E-03	1.98E-05	3.52E-04	2.49E-06	3.54E-04
308962.73	3918009.4	0.12072	0.12652	2.97E-03	1.98E-05	3.59E-04	2.50E-06	3.61E-04
308978.07	3918012.11	0.12263	0.12692	2.97E-03	1.98E-05	3.65E-04	2.51E-06	3.67E-04
309000.61	3918017.52	0.1252	0.12692	2.97E-03	1.98E-05	3.72E-04	2.51E-06	3.75E-04
309058.33	3918014.81	0.1335	0.13218	2.97E-03	1.98E-05	3.97E-04	2.62E-06	4.00E-04
309088.1	3918016.62	0.13715	0.13367	2.97E-03	1.98E-05	4.08E-04	2.64E-06	4.10E-04
309139.5	3918013.91	0.14391	0.13834	2.97E-03	1.98E-05	4.28E-04	2.74E-06	4.31E-04
309199.93	3917986.85	0.15651	0.15348	2.97E-03	1.98E-05	4.65E-04	3.04E-06	4.68E-04
309254.04	3917983.25	0.1623	0.15925	2.97E-03	1.98E-05	4.83E-04	3.15E-06	4.86E-04
309291.92	3917983.25	0.1644	0.1623	2.97E-03	1.98E-05	4.89E-04	3.21E-06	4.92E-04
309336.12	3917988.66	0.16334	0.16365	2.97E-03	1.98E-05	4.86E-04	3.24E-06	4.89E-04
309363.17	3917989.56	0.16251	0.16571	2.97E-03	1.98E-05	4.83E-04	3.28E-06	4.87E-04
309426.81	3917993.1	0.15711	0.17058	2.97E-03	1.98E-05	4.67E-04	3.38E-06	4.71E-04
309454.3	3917999.38	0.15178	0.17092	2.97E-03	1.98E-05	4.51E-04	3.38E-06	4.55E-04
309511.26	3918008.32	0.14063	0.17446	2.97E-03	1.98E-05	4.18E-04	3.45E-06	4.22E-04
309539.51	3918027.62	0.12971	0.17054	2.97E-03	1.98E-05	3.86E-04	3.37E-06	3.89E-04
309131.94	3917360.12	0.21213	0.29554	2.97E-03	1.98E-05	6.31E-04	5.85E-06	6.37E-04
309109.35	3917304.34	0.18325	0.20227	2.97E-03	1.98E-05	5.45E-04	4.00E-06	5.49E-04

Year 1 Risks

Schedule and Duration

Activity Schedule Information

Year	Start Date	End Date	Workday Duration		Construction Workdays	Annual Workdays	Annual Duration
Year 1	########	12/28/2026	8 Hours/Day		206	261	0.79
Year 2	1/4/2027	7/23/2027	8 Hours/Day		145	261	0.56
Year 3			8 Hours/Day			260	0.00
Year 4			8 Hours/Day			261	0.00
Year 5			8 Hours/Day			261	0.00
Year 6			8 Hours/Day			261	0.00
Year 7			8 Hours/Day			262	0.00
Year 8			8 Hours/Day			260	0.00
Year 9			8 Hours/Day			260	0.00
Year 10			8 Hours/Day			261	0.00
						Total	**1.34**

Assumptions:

Exposure Duration (ED) is derived by dividing project workdays by total annual workdays (260), assuming 5 workdays a week.

For Annual Potential Workdays

Beginning	End
1/1/2026	12/31/2026
1/1/2027	12/31/2027
1/1/2028	12/31/2028
1/1/2029	12/31/2029
1/1/2030	12/31/2030
1/1/2031	12/31/2031
1/1/2032	12/31/2032
1/1/2033	12/31/2033
1/1/2034	12/31/2034
1/1/2035	12/31/2035

			10.000	
0.25	0.75	0.25 to 0		Year 1
	1	0 to 1		Year 2
	1	1 to 2		Year 3
	1	2 to 3		Year 4
	1	3 to 4		Year 5
	1	4 to 5		Year 6
	1	5 to 6		Year 7
	1	6 to 7		Year 8
	1	7 to 8		Year 9
	1	8 to 9		Year 10
		9 to 10		Year 11

	OEHHA age bin	3rd Trimester	0 < 2 years	2 < 9 years	9<16 years	16<30 years
	exposure year(s)	2026	2026-2027			
Dose Exposure Factors:	exposure frequency (days/year)	350	350	350	350	350
	inhalation rate (L/kg-day) [2]	361	1090	861	745	335
	inhalation absorption factor	1	1	1	1	1
	conversion factor (mg/µg; m^3/L)	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06
Risk Calculation Factors:	age sensitivity factor	10	10	3	3	1
	averaging time (years)	70	70	70	70	70
	per million	1.0E+06	1.0E+06	1.0E+06	1.0E+06	1.0E+06
	fraction of time at home	1	1	1	1	1

	exposure durations (year) [3]				
Construction Year	3rd Trimester	0 < 2 years	2 < 9 years	9 < 16 years	Total
Year 1	0.25	0.54			0.79
Year 2		0.56			0.56
Year 3		0.00	0.00		0.00
Year 4			0.00		0.00
Year 5			0.00		0.00
Year 6			0.00		0.00
Year 7			0.00		0.00
Year 8			0.00		0.00
Year 9			0.00		0.00
Year 10			0.00		0.00
	0.25	**1.09**	**0.00**	**0.00**	**1.34**

[1] Chronic Hazards for DPM using the chronic reference exposure level (REL) for the Respiratory Toxicological Endpoint.

[2] Inhalation rate taken as the 95th percentile breathing rates (OEHHA, 2015).

[3] Construction durations determined for each year to adjust receptor exposures to the exposure durations for each construction year (see App A - Construction Emissions).

Receptor		MEIR	Weight	Contaminant			Dose (by age bin)					Carcinogenic Risks (by age bin)					**Total Cancer Risk**	**Chronic Hazards [1]**	
		Conc.	Fraction		URF	CPF	3rd Trimester	0 < 2 years	2 < 9 years	9<16 years	16<30 years	3rd Trimester	0 < 2 years	2 < 9 years	9<16 years	16<30 years		Chronic REL	RESP
X	Y	($\mu g/m^3$)			($\mu g/m^3$)$^{-1}$	(mg/kg/day)$^{-1}$	(mg/kg-day)	(mg/kg-day)	(mg/kg-day)	(mg/kg-day)	(mg/kg-day)	per million	per million	per million	per million	per million	per million	($\mu g/m^3$)	
		(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)
309008.97	3917020.62	8.26E-03	1.00E+00	DPM	3.0E-04	1.1E+00	2.86E-06	8.63E-06				1.07E-01	6.98E-01				8.05E-01	5.0E+00	1.65E-03
309018.97	3917020.62	8.37E-03	1.00E+00				2.90E-06	8.75E-06				1.09E-01	7.08E-01				8.16E-01		1.67E-03
309028.97	3917020.62	8.49E-03	1.00E+00				2.94E-06	8.87E-06				1.10E-01	7.18E-01				8.28E-01		1.70E-03
309038.97	3917020.62	8.61E-03	1.00E+00				2.98E-06	9.00E-06				1.12E-01	7.28E-01				8.40E-01		1.72E-03
309048.97	3917020.62	8.74E-03	1.00E+00				3.02E-06	9.13E-06				1.13E-01	7.39E-01				8.52E-01		1.75E-03
309058.97	3917020.62	8.87E-03	1.00E+00				3.07E-06	9.27E-06				1.15E-01	7.50E-01				8.65E-01		1.77E-03
309068.97	3917020.62	9.00E-03	1.00E+00				3.11E-06	9.40E-06				1.17E-01	7.61E-01				8.77E-01		1.80E-03
309078.97	3917020.62	9.13E-03	1.00E+00				3.16E-06	9.54E-06				1.18E-01	7.72E-01				8.90E-01		1.83E-03
309088.97	3917020.62	9.26E-03	1.00E+00				3.21E-06	9.68E-06				1.20E-01	7.83E-01				9.03E-01		1.85E-03
309098.97	3917020.62	9.40E-03	1.00E+00				3.26E-06	9.83E-06				1.22E-01	7.95E-01				9.17E-01		1.88E-03
309108.97	3917020.62	9.55E-03	1.00E+00				3.31E-06	9.98E-06				1.24E-01	8.07E-01				9.31E-01		1.91E-03
309118.97	3917020.62	9.70E-03	1.00E+00				3.36E-06	1.01E-05				1.26E-01	8.20E-01				9.46E-01		1.94E-03
309128.97	3917020.62	9.85E-03	1.00E+00				3.41E-06	1.03E-05				1.28E-01	8.33E-01				9.60E-01		1.97E-03
309008.97	3917030.62	8.39E-03	1.00E+00				2.90E-06	8.76E-06				1.09E-01	7.09E-01				8.18E-01		1.68E-03
309018.97	3917030.62	8.51E-03	1.00E+00				2.94E-06	8.89E-06				1.10E-01	7.19E-01				8.30E-01		1.70E-03
309028.97	3917030.62	8.63E-03	1.00E+00				2.99E-06	9.02E-06				1.12E-01	7.30E-01				8.42E-01		1.73E-03
309038.97	3917030.62	8.76E-03	1.00E+00				3.03E-06	9.15E-06				1.14E-01	7.40E-01				8.54E-01		1.75E-03
309048.97	3917030.62	8.88E-03	1.00E+00				3.08E-06	9.29E-06				1.15E-01	7.51E-01				8.66E-01		1.78E-03
309058.97	3917030.62	9.01E-03	1.00E+00				3.12E-06	9.42E-06				1.17E-01	7.62E-01				8.79E-01		1.80E-03
309068.97	3917030.62	9.15E-03	1.00E+00				3.17E-06	9.56E-06				1.19E-01	7.73E-01				8.92E-01		1.83E-03
309078.97	3917030.62	9.28E-03	1.00E+00				3.21E-06	9.70E-06				1.21E-01	7.85E-01				9.05E-01		1.86E-03
309088.97	3917030.62	9.43E-03	1.00E+00				3.26E-06	9.85E-06				1.22E-01	7.97E-01				9.19E-01		1.89E-03
309098.97	3917030.62	9.57E-03	1.00E+00				3.31E-06	1.00E-05				1.24E-01	8.09E-01				9.34E-01		1.91E-03
309108.97	3917030.62	9.72E-03	1.00E+00				3.36E-06	1.02E-05				1.26E-01	8.22E-01				9.48E-01		1.94E-03

309118.97	3917030.62	9.87E-03	1.00E+00			3.42E-06	1.03E-05	1.28E-01	8.35E-01	9.63E-01	1.97E-03
309128.97	3917030.62	1.00E-02	1.00E+00			3.47E-06	1.05E-05	1.30E-01	8.48E-01	9.78E-01	2.01E-03
309008.97	3917040.62	8.52E-03	1.00E+00			2.95E-06	8.90E-06	1.11E-01	7.20E-01	8.31E-01	1.70E-03
309018.97	3917040.62	8.64E-03	1.00E+00			2.99E-06	9.03E-06	1.12E-01	7.31E-01	8.43E-01	1.73E-03
309028.97	3917040.62	8.77E-03	1.00E+00			3.04E-06	9.16E-06	1.14E-01	7.41E-01	8.55E-01	1.75E-03
309038.97	3917040.62	8.90E-03	1.00E+00			3.08E-06	9.30E-06	1.15E-01	7.52E-01	8.68E-01	1.78E-03
309048.97	3917040.62	9.03E-03	1.00E+00			3.12E-06	9.43E-06	1.17E-01	7.63E-01	8.80E-01	1.81E-03
309058.97	3917040.62	9.16E-03	1.00E+00			3.17E-06	9.57E-06	1.19E-01	7.75E-01	8.93E-01	1.83E-03
309068.97	3917040.62	9.30E-03	1.00E+00			3.22E-06	9.72E-06	1.21E-01	7.86E-01	9.07E-01	1.86E-03
309078.97	3917040.62	9.44E-03	1.00E+00			3.27E-06	9.87E-06	1.23E-01	7.98E-01	9.21E-01	1.89E-03
309088.97	3917040.62	9.59E-03	1.00E+00			3.32E-06	1.00E-05	1.24E-01	8.11E-01	9.35E-01	1.92E-03
309098.97	3917040.62	9.74E-03	1.00E+00			3.37E-06	1.02E-05	1.26E-01	8.23E-01	9.50E-01	1.95E-03
309108.97	3917040.62	9.89E-03	1.00E+00			3.42E-06	1.03E-05	1.28E-01	8.36E-01	9.65E-01	1.98E-03
309118.97	3917040.62	1.01E-02	1.00E+00			3.48E-06	1.05E-05	1.30E-01	8.50E-01	9.80E-01	2.01E-03
309128.97	3917040.62	1.02E-02	1.00E+00			3.54E-06	1.07E-05	1.33E-01	8.64E-01	9.96E-01	2.04E-03
308938.97	3917060.62	7.95E-03	1.00E+00			2.75E-06	8.31E-06	1.03E-01	6.72E-01	7.75E-01	1.59E-03
308948.97	3917060.62	8.06E-03	1.00E+00			2.79E-06	8.42E-06	1.05E-01	6.81E-01	7.86E-01	1.61E-03
308958.97	3917060.62	8.17E-03	1.00E+00			2.83E-06	8.54E-06	1.06E-01	6.91E-01	7.97E-01	1.63E-03
308968.97	3917060.62	8.29E-03	1.00E+00			2.87E-06	8.66E-06	1.08E-01	7.01E-01	8.08E-01	1.66E-03
308978.97	3917060.62	8.41E-03	1.00E+00			2.91E-06	8.79E-06	1.09E-01	7.11E-01	8.20E-01	1.68E-03
308988.97	3917060.62	8.53E-03	1.00E+00			2.95E-06	8.91E-06	1.11E-01	7.21E-01	8.32E-01	1.71E-03
308998.97	3917060.62	8.65E-03	1.00E+00			2.99E-06	9.04E-06	1.12E-01	7.31E-01	8.44E-01	1.73E-03
309008.97	3917060.62	8.78E-03	1.00E+00			3.04E-06	9.17E-06	1.14E-01	7.42E-01	8.56E-01	1.76E-03
309018.97	3917060.62	8.91E-03	1.00E+00			3.08E-06	9.31E-06	1.16E-01	7.53E-01	8.69E-01	1.78E-03
309028.97	3917060.62	9.04E-03	1.00E+00			3.13E-06	9.45E-06	1.17E-01	7.64E-01	8.82E-01	1.81E-03
309038.97	3917060.62	9.18E-03	1.00E+00			3.18E-06	9.59E-06	1.19E-01	7.76E-01	8.95E-01	1.84E-03
309048.97	3917060.62	9.32E-03	1.00E+00			3.23E-06	9.74E-06	1.21E-01	7.88E-01	9.09E-01	1.86E-03
309058.97	3917060.62	9.47E-03	1.00E+00			3.28E-06	9.89E-06	1.23E-01	8.00E-01	9.23E-01	1.89E-03
309068.97	3917060.62	9.61E-03	1.00E+00			3.33E-06	1.00E-05	1.25E-01	8.13E-01	9.38E-01	1.92E-03
309078.97	3917060.62	9.76E-03	1.00E+00			3.38E-06	1.02E-05	1.27E-01	8.25E-01	9.52E-01	1.95E-03
309088.97	3917060.62	9.91E-03	1.00E+00			3.43E-06	1.04E-05	1.29E-01	8.38E-01	9.67E-01	1.98E-03
309098.97	3917060.62	1.01E-02	1.00E+00			3.49E-06	1.05E-05	1.31E-01	8.52E-01	9.82E-01	2.01E-03
309108.97	3917060.62	1.02E-02	1.00E+00			3.54E-06	1.07E-05	1.33E-01	8.66E-01	9.99E-01	2.05E-03
309118.97	3917060.62	1.04E-02	1.00E+00			3.60E-06	1.09E-05	1.35E-01	8.80E-01	1.02E+00	2.08E-03
309128.97	3917060.62	1.06E-02	1.00E+00			3.66E-06	1.11E-05	1.37E-01	8.95E-01	1.03E+00	2.12E-03
308938.97	3917070.62	8.05E-03	1.00E+00			2.79E-06	8.42E-06	1.05E-01	6.81E-01	7.85E-01	1.61E-03
308948.97	3917070.62	8.17E-03	1.00E+00			2.83E-06	8.54E-06	1.06E-01	6.91E-01	7.97E-01	1.63E-03
308958.97	3917070.62	8.29E-03	1.00E+00			2.87E-06	8.66E-06	1.08E-01	7.01E-01	8.08E-01	1.66E-03
308968.97	3917070.62	8.40E-03	1.00E+00			2.91E-06	8.78E-06	1.09E-01	7.11E-01	8.20E-01	1.68E-03
308978.97	3917070.62	8.52E-03	1.00E+00			2.95E-06	8.91E-06	1.11E-01	7.21E-01	8.31E-01	1.70E-03
308988.97	3917070.62	8.65E-03	1.00E+00			2.99E-06	9.04E-06	1.12E-01	7.31E-01	8.43E-01	1.73E-03
308998.97	3917070.62	8.77E-03	1.00E+00			3.04E-06	9.17E-06	1.14E-01	7.42E-01	8.56E-01	1.75E-03
309008.97	3917070.62	8.91E-03	1.00E+00			3.08E-06	9.31E-06	1.16E-01	7.53E-01	8.69E-01	1.78E-03
309018.97	3917070.62	9.04E-03	1.00E+00			3.13E-06	9.45E-06	1.17E-01	7.64E-01	8.82E-01	1.81E-03
309028.97	3917070.62	9.18E-03	1.00E+00			3.18E-06	9.60E-06	1.19E-01	7.76E-01	8.95E-01	1.84E-03
309038.97	3917070.62	9.32E-03	1.00E+00			3.23E-06	9.74E-06	1.21E-01	7.88E-01	9.09E-01	1.86E-03
309048.97	3917070.62	9.47E-03	1.00E+00			3.28E-06	9.89E-06	1.23E-01	8.00E-01	9.23E-01	1.89E-03
309058.97	3917070.62	9.61E-03	1.00E+00			3.33E-06	1.00E-05	1.25E-01	8.13E-01	9.37E-01	1.92E-03
309068.97	3917070.62	9.76E-03	1.00E+00			3.38E-06	1.02E-05	1.27E-01	8.25E-01	9.52E-01	1.95E-03
309078.97	3917070.62	9.92E-03	1.00E+00			3.43E-06	1.04E-05	1.29E-01	8.39E-01	9.67E-01	1.98E-03
309088.97	3917070.62	1.01E-02	1.00E+00			3.49E-06	1.05E-05	1.31E-01	8.52E-01	9.83E-01	2.02E-03
309098.97	3917070.62	1.02E-02	1.00E+00			3.55E-06	1.07E-05	1.33E-01	8.66E-01	9.99E-01	2.05E-03
309108.97	3917070.62	1.04E-02	1.00E+00			3.61E-06	1.09E-05	1.35E-01	8.81E-01	1.02E+00	2.08E-03
309118.97	3917070.62	1.06E-02	1.00E+00			3.67E-06	1.11E-05	1.38E-01	8.96E-01	1.03E+00	2.12E-03
309128.97	3917070.62	1.08E-02	1.00E+00			3.73E-06	1.13E-05	1.40E-01	9.11E-01	1.05E+00	2.15E-03
308938.97	3917080.62	8.17E-03	1.00E+00			2.83E-06	8.53E-06	1.06E-01	6.90E-01	7.96E-01	1.63E-03
308948.97	3917080.62	8.28E-03	1.00E+00			2.87E-06	8.66E-06	1.08E-01	7.00E-01	8.08E-01	1.66E-03
308958.97	3917080.62	8.40E-03	1.00E+00			2.91E-06	8.78E-06	1.09E-01	7.10E-01	8.19E-01	1.68E-03
308968.97	3917080.62	8.52E-03	1.00E+00			2.95E-06	8.90E-06	1.11E-01	7.20E-01	8.31E-01	1.70E-03
308978.97	3917080.62	8.64E-03	1.00E+00			2.99E-06	9.03E-06	1.12E-01	7.31E-01	8.43E-01	1.73E-03
308988.97	3917080.62	8.77E-03	1.00E+00			3.04E-06	9.17E-06	1.14E-01	7.42E-01	8.55E-01	1.75E-03
308998.97	3917080.62	8.90E-03	1.00E+00			3.08E-06	9.31E-06	1.16E-01	7.53E-01	8.68E-01	1.78E-03
309008.97	3917080.62	9.04E-03	1.00E+00			3.13E-06	9.45E-06	1.17E-01	7.64E-01	8.82E-01	1.81E-03
309018.97	3917080.62	9.18E-03	1.00E+00			3.18E-06	9.59E-06	1.19E-01	7.76E-01	8.95E-01	1.84E-03
309028.97	3917080.62	9.32E-03	1.00E+00			3.22E-06	9.74E-06	1.21E-01	7.88E-01	9.09E-01	1.86E-03
309038.97	3917080.62	9.46E-03	1.00E+00			3.27E-06	9.88E-06	1.23E-01	8.00E-01	9.22E-01	1.89E-03
309048.97	3917080.62	9.61E-03	1.00E+00			3.33E-06	1.00E-05	1.25E-01	8.12E-01	9.37E-01	1.92E-03
309058.97	3917080.62	9.76E-03	1.00E+00			3.38E-06	1.02E-05	1.27E-01	8.25E-01	9.52E-01	1.95E-03
309068.97	3917080.62	9.92E-03	1.00E+00			3.43E-06	1.04E-05	1.29E-01	8.39E-01	9.68E-01	1.98E-03
309078.97	3917080.62	1.01E-02	1.00E+00			3.49E-06	1.05E-05	1.31E-01	8.53E-01	9.84E-01	2.02E-03
309088.97	3917080.62	1.03E-02	1.00E+00			3.55E-06	1.07E-05	1.33E-01	8.67E-01	1.00E+00	2.05E-03
309098.97	3917080.62	1.04E-02	1.00E+00			3.61E-06	1.09E-05	1.35E-01	8.81E-01	1.02E+00	2.08E-03

309108.97	3917080.62	1.06E-02	1.00E+00			3.67E-06	1.11E-05			1.37E-01	8.95E-01			1.03E+00	2.12E-03
309118.97	3917080.62	1.08E-02	1.00E+00			3.73E-06	1.13E-05			1.40E-01	9.11E-01			1.05E+00	2.15E-03
309128.97	3917080.62	1.10E-02	1.00E+00			3.79E-06	1.15E-05			1.42E-01	9.26E-01			1.07E+00	2.19E-03
308938.97	3917090.62	8.27E-03	1.00E+00			2.86E-06	8.64E-06			1.07E-01	6.99E-01			8.06E-01	1.65E-03
308948.97	3917090.62	8.39E-03	1.00E+00			2.90E-06	8.77E-06			1.09E-01	7.09E-01			8.18E-01	1.68E-03
308958.97	3917090.62	8.51E-03	1.00E+00			2.95E-06	8.89E-06			1.10E-01	7.19E-01			8.30E-01	1.70E-03
308968.97	3917090.62	8.63E-03	1.00E+00			2.99E-06	9.02E-06			1.12E-01	7.30E-01			8.42E-01	1.73E-03
308978.97	3917090.62	8.76E-03	1.00E+00			3.03E-06	9.16E-06			1.14E-01	7.41E-01			8.55E-01	1.75E-03
308988.97	3917090.62	8.89E-03	1.00E+00			3.08E-06	9.30E-06			1.15E-01	7.52E-01			8.67E-01	1.78E-03
308998.97	3917090.62	9.03E-03	1.00E+00			3.13E-06	9.44E-06			1.17E-01	7.63E-01			8.80E-01	1.81E-03
309008.97	3917090.62	9.16E-03	1.00E+00			3.17E-06	9.58E-06			1.19E-01	7.75E-01			8.94E-01	1.83E-03
309018.97	3917090.62	9.30E-03	1.00E+00			3.22E-06	9.72E-06			1.21E-01	7.87E-01			9.07E-01	1.86E-03
309028.97	3917090.62	9.45E-03	1.00E+00			3.27E-06	9.88E-06			1.23E-01	7.99E-01			9.22E-01	1.89E-03
309038.97	3917090.62	9.60E-03	1.00E+00			3.32E-06	1.00E-05			1.25E-01	8.12E-01			9.36E-01	1.92E-03
309048.97	3917090.62	9.76E-03	1.00E+00			3.38E-06	1.02E-05			1.27E-01	8.25E-01			9.51E-01	1.95E-03
309058.97	3917090.62	9.92E-03	1.00E+00			3.43E-06	1.04E-05			1.29E-01	8.38E-01			9.67E-01	1.98E-03
309068.97	3917090.62	1.01E-02	1.00E+00			3.49E-06	1.05E-05			1.31E-01	8.52E-01			9.83E-01	2.02E-03
309078.97	3917090.62	1.02E-02	1.00E+00			3.55E-06	1.07E-05			1.33E-01	8.66E-01			9.99E-01	2.05E-03
309088.97	3917090.62	1.04E-02	1.00E+00			3.60E-06	1.09E-05			1.35E-01	8.80E-01			1.02E+00	2.08E-03
309098.97	3917090.62	1.06E-02	1.00E+00			3.66E-06	1.11E-05			1.37E-01	8.95E-01			1.03E+00	2.12E-03
309108.97	3917090.62	1.08E-02	1.00E+00			3.73E-06	1.12E-05			1.40E-01	9.10E-01			1.05E+00	2.15E-03
309118.97	3917090.62	1.09E-02	1.00E+00			3.79E-06	1.14E-05			1.42E-01	9.26E-01			1.07E+00	2.19E-03
309128.97	3917090.62	1.11E-02	1.00E+00			3.86E-06	1.16E-05			1.45E-01	9.42E-01			1.09E+00	2.23E-03
308888.97	3917100.62	7.80E-03	1.00E+00			2.70E-06	8.15E-06			1.01E-01	6.60E-01			7.61E-01	1.56E-03
308898.97	3917100.62	7.91E-03	1.00E+00			2.74E-06	8.27E-06			1.03E-01	6.69E-01			7.71E-01	1.58E-03
308908.97	3917100.62	8.02E-03	1.00E+00			2.78E-06	8.38E-06			1.04E-01	6.78E-01			7.82E-01	1.60E-03
308918.97	3917100.62	8.13E-03	1.00E+00			2.82E-06	8.50E-06			1.06E-01	6.88E-01			7.93E-01	1.63E-03
308938.97	3917100.62	8.37E-03	1.00E+00			2.90E-06	8.75E-06			1.09E-01	7.08E-01			8.17E-01	1.67E-03
308948.97	3917100.62	8.50E-03	1.00E+00			2.94E-06	8.88E-06			1.10E-01	7.18E-01			8.29E-01	1.70E-03
308958.97	3917100.62	8.62E-03	1.00E+00			2.98E-06	9.01E-06			1.12E-01	7.29E-01			8.41E-01	1.72E-03
308968.97	3917100.62	8.75E-03	1.00E+00			3.03E-06	9.15E-06			1.14E-01	7.40E-01			8.53E-01	1.75E-03
308978.97	3917100.62	8.88E-03	1.00E+00			3.07E-06	9.28E-06			1.15E-01	7.51E-01			8.66E-01	1.78E-03
308988.97	3917100.62	9.01E-03	1.00E+00			3.12E-06	9.42E-06			1.17E-01	7.62E-01			8.79E-01	1.80E-03
308998.97	3917100.62	9.15E-03	1.00E+00			3.17E-06	9.57E-06			1.19E-01	7.74E-01			8.93E-01	1.83E-03
309008.97	3917100.62	9.29E-03	1.00E+00			3.22E-06	9.71E-06			1.21E-01	7.86E-01			9.06E-01	1.86E-03
309018.97	3917100.62	9.44E-03	1.00E+00			3.27E-06	9.87E-06			1.23E-01	7.98E-01			9.21E-01	1.89E-03
309028.97	3917100.62	9.59E-03	1.00E+00			3.32E-06	1.00E-05			1.24E-01	8.11E-01			9.35E-01	1.92E-03
309038.97	3917100.62	9.74E-03	1.00E+00			3.37E-06	1.02E-05			1.26E-01	8.24E-01			9.50E-01	1.95E-03
309048.97	3917100.62	9.90E-03	1.00E+00			3.43E-06	1.03E-05			1.29E-01	8.37E-01			9.66E-01	1.98E-03
309058.97	3917100.62	1.01E-02	1.00E+00			3.48E-06	1.05E-05			1.31E-01	8.51E-01			9.81E-01	2.01E-03
309068.97	3917100.62	1.02E-02	1.00E+00			3.54E-06	1.07E-05			1.33E-01	8.64E-01			9.97E-01	2.04E-03
309078.97	3917100.62	1.04E-02	1.00E+00			3.60E-06	1.09E-05			1.35E-01	8.79E-01			1.01E+00	2.08E-03
309088.97	3917100.62	1.06E-02	1.00E+00			3.66E-06	1.10E-05			1.37E-01	8.93E-01			1.03E+00	2.11E-03
309098.97	3917100.62	1.07E-02	1.00E+00			3.72E-06	1.12E-05			1.40E-01	9.09E-01			1.05E+00	2.15E-03
309108.97	3917100.62	1.09E-02	1.00E+00			3.79E-06	1.14E-05			1.42E-01	9.25E-01			1.07E+00	2.19E-03
309118.97	3917100.62	1.11E-02	1.00E+00			3.85E-06	1.16E-05			1.44E-01	9.41E-01			1.09E+00	2.23E-03
309128.97	3917100.62	1.13E-02	1.00E+00			3.92E-06	1.18E-05			1.47E-01	9.58E-01			1.10E+00	2.27E-03
308888.97	3917110.62	7.89E-03	1.00E+00			2.73E-06	8.24E-06			1.02E-01	6.67E-01			7.69E-01	1.58E-03
308898.97	3917110.62	8.00E-03	1.00E+00			2.77E-06	8.36E-06			1.04E-01	6.76E-01			7.80E-01	1.60E-03
308908.97	3917110.62	8.12E-03	1.00E+00			2.81E-06	8.48E-06			1.05E-01	6.86E-01			7.91E-01	1.62E-03
308918.97	3917110.62	8.23E-03	1.00E+00			2.85E-06	8.61E-06			1.07E-01	6.96E-01			8.03E-01	1.65E-03
308938.97	3917110.62	8.48E-03	1.00E+00			2.93E-06	8.86E-06			1.10E-01	7.17E-01			8.27E-01	1.70E-03
308948.97	3917110.62	8.60E-03	1.00E+00			2.98E-06	8.99E-06			1.12E-01	7.27E-01			8.39E-01	1.72E-03
308958.97	3917110.62	8.73E-03	1.00E+00			3.02E-06	9.13E-06			1.13E-01	7.38E-01			8.52E-01	1.75E-03
308968.97	3917110.62	8.86E-03	1.00E+00			3.07E-06	9.26E-06			1.15E-01	7.49E-01			8.64E-01	1.77E-03
308978.97	3917110.62	9.00E-03	1.00E+00			3.11E-06	9.40E-06			1.17E-01	7.61E-01			8.78E-01	1.80E-03
308988.97	3917110.62	9.14E-03	1.00E+00			3.16E-06	9.55E-06			1.19E-01	7.72E-01			8.91E-01	1.83E-03
308998.97	3917110.62	9.28E-03	1.00E+00			3.21E-06	9.70E-06			1.20E-01	7.84E-01			9.05E-01	1.86E-03
309008.97	3917110.62	9.42E-03	1.00E+00			3.26E-06	9.85E-06			1.22E-01	7.97E-01			9.19E-01	1.88E-03
309018.97	3917110.62	9.57E-03	1.00E+00			3.31E-06	1.00E-05			1.24E-01	8.09E-01			9.33E-01	1.91E-03
309028.97	3917110.62	9.72E-03	1.00E+00			3.37E-06	1.02E-05			1.26E-01	8.22E-01			9.48E-01	1.94E-03
309038.97	3917110.62	9.88E-03	1.00E+00			3.42E-06	1.03E-05			1.28E-01	8.35E-01			9.63E-01	1.98E-03
309048.97	3917110.62	1.00E-02	1.00E+00			3.47E-06	1.05E-05			1.30E-01	8.49E-01			9.79E-01	2.01E-03
309058.97	3917110.62	1.02E-02	1.00E+00			3.53E-06	1.07E-05			1.32E-01	8.63E-01			9.95E-01	2.04E-03
309068.97	3917110.62	1.04E-02	1.00E+00			3.59E-06	1.08E-05			1.35E-01	8.77E-01			1.01E+00	2.07E-03
309078.97	3917110.62	1.06E-02	1.00E+00			3.65E-06	1.10E-05			1.37E-01	8.92E-01			1.03E+00	2.11E-03
309088.97	3917110.62	1.07E-02	1.00E+00			3.71E-06	1.12E-05			1.39E-01	9.07E-01			1.05E+00	2.15E-03
309098.97	3917110.62	1.09E-02	1.00E+00			3.78E-06	1.14E-05			1.42E-01	9.23E-01			1.06E+00	2.18E-03
309108.97	3917110.62	1.11E-02	1.00E+00			3.85E-06	1.16E-05			1.44E-01	9.39E-01			1.08E+00	2.22E-03
309118.97	3917110.62	1.13E-02	1.00E+00			3.91E-06	1.18E-05			1.47E-01	9.56E-01			1.10E+00	2.26E-03
309128.97	3917110.62	1.15E-02	1.00E+00			3.98E-06	1.20E-05			1.49E-01	9.73E-01			1.12E+00	2.30E-03
308888.97	3917120.62	7.98E-03	1.00E+00			2.76E-06	8.34E-06			1.04E-01	6.75E-01			7.78E-01	1.60E-03

308898.97	3917120.62	8.09E-03	1.00E+00		2.80E-06	8.46E-06		1.05E-01	6.84E-01	7.89E-01	1.62E-03
308908.97	3917120.62	8.21E-03	1.00E+00		2.84E-06	8.58E-06		1.07E-01	6.94E-01	8.01E-01	1.64E-03
308918.97	3917120.62	8.33E-03	1.00E+00		2.88E-06	8.71E-06		1.08E-01	7.04E-01	8.13E-01	1.67E-03
308938.97	3917120.62	8.58E-03	1.00E+00		2.97E-06	8.96E-06		1.11E-01	7.25E-01	8.37E-01	1.72E-03
308948.97	3917120.62	8.70E-03	1.00E+00		3.01E-06	9.10E-06		1.13E-01	7.36E-01	8.49E-01	1.74E-03
308958.97	3917120.62	8.84E-03	1.00E+00		3.06E-06	9.24E-06		1.15E-01	7.47E-01	8.62E-01	1.77E-03
308968.97	3917120.62	8.97E-03	1.00E+00		3.11E-06	9.38E-06		1.16E-01	7.58E-01	8.75E-01	1.79E-03
308978.97	3917120.62	9.11E-03	1.00E+00		3.15E-06	9.52E-06		1.18E-01	7.70E-01	8.88E-01	1.82E-03
308988.97	3917120.62	9.25E-03	1.00E+00		3.20E-06	9.67E-06		1.20E-01	7.82E-01	9.02E-01	1.85E-03
308998.97	3917120.62	9.39E-03	1.00E+00		3.25E-06	9.82E-06		1.22E-01	7.94E-01	9.16E-01	1.88E-03
309008.97	3917120.62	9.54E-03	1.00E+00		3.30E-06	9.98E-06		1.24E-01	8.07E-01	9.31E-01	1.91E-03
309018.97	3917120.62	9.70E-03	1.00E+00		3.36E-06	1.01E-05		1.26E-01	8.20E-01	9.46E-01	1.94E-03
309028.97	3917120.62	9.85E-03	1.00E+00		3.41E-06	1.03E-05		1.28E-01	8.33E-01	9.61E-01	1.97E-03
309038.97	3917120.62	1.00E-02	1.00E+00		3.47E-06	1.05E-05		1.30E-01	8.47E-01	9.77E-01	2.00E-03
309048.97	3917120.62	1.02E-02	1.00E+00		3.52E-06	1.06E-05		1.32E-01	8.61E-01	9.93E-01	2.04E-03
309058.97	3917120.62	1.04E-02	1.00E+00		3.58E-06	1.08E-05		1.34E-01	8.75E-01	1.01E+00	2.07E-03
309068.97	3917120.62	1.05E-02	1.00E+00		3.64E-06	1.10E-05		1.37E-01	8.90E-01	1.03E+00	2.11E-03
309078.97	3917120.62	1.07E-02	1.00E+00		3.71E-06	1.12E-05		1.39E-01	9.05E-01	1.04E+00	2.14E-03
309088.97	3917120.62	1.09E-02	1.00E+00		3.77E-06	1.14E-05		1.41E-01	9.21E-01	1.06E+00	2.18E-03
309098.97	3917120.62	1.11E-02	1.00E+00		3.84E-06	1.16E-05		1.44E-01	9.37E-01	1.08E+00	2.22E-03
309108.97	3917120.62	1.13E-02	1.00E+00		3.90E-06	1.18E-05		1.46E-01	9.53E-01	1.10E+00	2.25E-03
309118.97	3917120.62	1.15E-02	1.00E+00		3.97E-06	1.20E-05		1.49E-01	9.70E-01	1.12E+00	2.29E-03
309128.97	3917120.62	1.17E-02	1.00E+00		4.04E-06	1.22E-05		1.52E-01	9.87E-01	1.14E+00	2.34E-03
308838.97	3917150.62	7.66E-03	1.00E+00		2.65E-06	8.01E-06		9.94E-02	6.48E-01	7.47E-01	1.53E-03
308848.97	3917150.62	7.77E-03	1.00E+00		2.69E-06	8.12E-06		1.01E-01	6.57E-01	7.58E-01	1.55E-03
308858.97	3917150.62	7.88E-03	1.00E+00		2.73E-06	8.24E-06		1.02E-01	6.66E-01	7.69E-01	1.58E-03
308868.97	3917150.62	7.99E-03	1.00E+00		2.77E-06	8.36E-06		1.04E-01	6.76E-01	7.80E-01	1.60E-03
308878.97	3917150.62	8.11E-03	1.00E+00		2.81E-06	8.48E-06		1.05E-01	6.86E-01	7.91E-01	1.62E-03
308888.97	3917150.62	8.23E-03	1.00E+00		2.85E-06	8.60E-06		1.07E-01	6.96E-01	8.03E-01	1.65E-03
308898.97	3917150.62	8.35E-03	1.00E+00		2.89E-06	8.73E-06		1.08E-01	7.06E-01	8.15E-01	1.67E-03
308908.97	3917150.62	8.48E-03	1.00E+00		2.93E-06	8.86E-06		1.10E-01	7.17E-01	8.27E-01	1.70E-03
308918.97	3917150.62	8.60E-03	1.00E+00		2.98E-06	8.99E-06		1.12E-01	7.27E-01	8.39E-01	1.72E-03
308928.97	3917150.62	8.73E-03	1.00E+00		3.02E-06	9.13E-06		1.13E-01	7.38E-01	8.52E-01	1.75E-03
308938.97	3917150.62	8.87E-03	1.00E+00		3.07E-06	9.27E-06		1.15E-01	7.50E-01	8.65E-01	1.77E-03
308948.97	3917150.62	9.00E-03	1.00E+00		3.12E-06	9.41E-06		1.17E-01	7.61E-01	8.78E-01	1.80E-03
308958.97	3917150.62	9.14E-03	1.00E+00		3.16E-06	9.56E-06		1.19E-01	7.73E-01	8.92E-01	1.83E-03
308968.97	3917150.62	9.29E-03	1.00E+00		3.21E-06	9.71E-06		1.21E-01	7.85E-01	9.06E-01	1.86E-03
308978.97	3917150.62	9.43E-03	1.00E+00		3.27E-06	9.86E-06		1.22E-01	7.97E-01	9.20E-01	1.89E-03
308988.97	3917150.62	9.58E-03	1.00E+00		3.32E-06	1.00E-05		1.24E-01	8.10E-01	9.35E-01	1.92E-03
308998.97	3917150.62	9.74E-03	1.00E+00		3.37E-06	1.02E-05		1.26E-01	8.23E-01	9.50E-01	1.95E-03
309008.97	3917150.62	9.90E-03	1.00E+00		3.43E-06	1.03E-05		1.28E-01	8.37E-01	9.65E-01	1.98E-03
309018.97	3917150.62	1.01E-02	1.00E+00		3.48E-06	1.05E-05		1.31E-01	8.51E-01	9.81E-01	2.01E-03
309028.97	3917150.62	1.02E-02	1.00E+00		3.54E-06	1.07E-05		1.33E-01	8.65E-01	9.98E-01	2.05E-03
309038.97	3917150.62	1.04E-02	1.00E+00		3.60E-06	1.09E-05		1.35E-01	8.79E-01	1.01E+00	2.08E-03
309048.97	3917150.62	1.06E-02	1.00E+00		3.66E-06	1.11E-05		1.37E-01	8.94E-01	1.03E+00	2.12E-03
309058.97	3917150.62	1.08E-02	1.00E+00		3.73E-06	1.12E-05		1.40E-01	9.10E-01	1.05E+00	2.15E-03
309068.97	3917150.62	1.10E-02	1.00E+00		3.79E-06	1.14E-05		1.42E-01	9.26E-01	1.07E+00	2.19E-03
309078.97	3917150.62	1.11E-02	1.00E+00		3.86E-06	1.16E-05		1.45E-01	9.42E-01	1.09E+00	2.23E-03
309088.97	3917150.62	1.13E-02	1.00E+00		3.93E-06	1.19E-05		1.47E-01	9.59E-01	1.11E+00	2.27E-03
309098.97	3917150.62	1.15E-02	1.00E+00		4.00E-06	1.21E-05		1.50E-01	9.76E-01	1.13E+00	2.31E-03
309108.97	3917150.62	1.18E-02	1.00E+00		4.07E-06	1.23E-05		1.53E-01	9.94E-01	1.15E+00	2.35E-03
309118.97	3917150.62	1.20E-02	1.00E+00		4.15E-06	1.25E-05		1.56E-01	1.01E+00	1.17E+00	2.40E-03
309128.97	3917150.62	1.22E-02	1.00E+00		4.22E-06	1.28E-05		1.58E-01	1.03E+00	1.19E+00	2.44E-03
308838.97	3917160.62	7.73E-03	1.00E+00		2.68E-06	8.08E-06		1.00E-01	6.53E-01	7.54E-01	1.55E-03
308848.97	3917160.62	7.84E-03	1.00E+00		2.71E-06	8.19E-06		1.02E-01	6.63E-01	7.65E-01	1.57E-03
308858.97	3917160.62	7.95E-03	1.00E+00		2.75E-06	8.31E-06		1.03E-01	6.72E-01	7.76E-01	1.59E-03
308868.97	3917160.62	8.07E-03	1.00E+00		2.79E-06	8.43E-06		1.05E-01	6.82E-01	7.87E-01	1.61E-03
308878.97	3917160.62	8.19E-03	1.00E+00		2.83E-06	8.56E-06		1.06E-01	6.92E-01	7.98E-01	1.64E-03
308888.97	3917160.62	8.31E-03	1.00E+00		2.88E-06	8.68E-06		1.08E-01	7.02E-01	8.10E-01	1.66E-03
308898.97	3917160.62	8.43E-03	1.00E+00		2.92E-06	8.81E-06		1.09E-01	7.13E-01	8.22E-01	1.69E-03
308908.97	3917160.62	8.56E-03	1.00E+00		2.96E-06	8.94E-06		1.11E-01	7.23E-01	8.34E-01	1.71E-03
308918.97	3917160.62	8.69E-03	1.00E+00		3.01E-06	9.08E-06		1.13E-01	7.34E-01	8.47E-01	1.74E-03
308928.97	3917160.62	8.82E-03	1.00E+00		3.05E-06	9.22E-06		1.14E-01	7.46E-01	8.60E-01	1.76E-03
308938.97	3917160.62	8.96E-03	1.00E+00		3.10E-06	9.36E-06		1.16E-01	7.57E-01	8.73E-01	1.79E-03
308948.97	3917160.62	9.10E-03	1.00E+00		3.15E-06	9.51E-06		1.18E-01	7.69E-01	8.87E-01	1.82E-03
308958.97	3917160.62	9.24E-03	1.00E+00		3.20E-06	9.66E-06		1.20E-01	7.81E-01	9.01E-01	1.85E-03
308968.97	3917160.62	9.39E-03	1.00E+00		3.25E-06	9.81E-06		1.22E-01	7.94E-01	9.15E-01	1.88E-03
308978.97	3917160.62	9.54E-03	1.00E+00		3.30E-06	9.97E-06		1.24E-01	8.06E-01	9.30E-01	1.91E-03
308988.97	3917160.62	9.69E-03	1.00E+00		3.35E-06	1.01E-05		1.26E-01	8.19E-01	9.45E-01	1.94E-03
308998.97	3917160.62	9.85E-03	1.00E+00		3.41E-06	1.03E-05		1.28E-01	8.33E-01	9.61E-01	1.97E-03
309008.97	3917160.62	1.00E-02	1.00E+00		3.47E-06	1.05E-05		1.30E-01	8.47E-01	9.77E-01	2.00E-03
309018.97	3917160.62	1.02E-02	1.00E+00		3.52E-06	1.06E-05		1.32E-01	8.61E-01	9.93E-01	2.04E-03

309028.97	3917160.62	1.04E-02	1.00E+00		3.58E-06	1.08E-05	1.34E-01	8.75E-01		1.01E+00	2.07E-03
309038.97	3917160.62	1.05E-02	1.00E+00		3.64E-06	1.10E-05	1.37E-01	8.90E-01		1.03E+00	2.11E-03
309048.97	3917160.62	1.07E-02	1.00E+00		3.71E-06	1.12E-05	1.39E-01	9.06E-01		1.04E+00	2.14E-03
309058.97	3917160.62	1.09E-02	1.00E+00		3.77E-06	1.14E-05	1.41E-01	9.21E-01		1.06E+00	2.18E-03
309068.97	3917160.62	1.11E-02	1.00E+00		3.84E-06	1.16E-05	1.44E-01	9.37E-01		1.08E+00	2.22E-03
309078.97	3917160.62	1.13E-02	1.00E+00		3.91E-06	1.18E-05	1.46E-01	9.54E-01		1.10E+00	2.26E-03
309088.97	3917160.62	1.15E-02	1.00E+00		3.98E-06	1.20E-05	1.49E-01	9.71E-01		1.12E+00	2.30E-03
309098.97	3917160.62	1.17E-02	1.00E+00		4.05E-06	1.22E-05	1.52E-01	9.89E-01		1.14E+00	2.34E-03
309108.97	3917160.62	1.19E-02	1.00E+00		4.12E-06	1.25E-05	1.55E-01	1.01E+00		1.16E+00	2.38E-03
309118.97	3917160.62	1.21E-02	1.00E+00		4.20E-06	1.27E-05	1.58E-01	1.03E+00		1.18E+00	2.43E-03
309128.97	3917160.62	1.24E-02	1.00E+00		4.28E-06	1.29E-05	1.61E-01	1.05E+00		1.21E+00	2.47E-03
308838.97	3917170.62	7.80E-03	1.00E+00		2.70E-06	8.15E-06	1.01E-01	6.59E-01		7.60E-01	1.56E-03
308848.97	3917170.62	7.91E-03	1.00E+00		2.74E-06	8.27E-06	1.03E-01	6.69E-01		7.71E-01	1.58E-03
308858.97	3917170.62	8.02E-03	1.00E+00		2.78E-06	8.39E-06	1.04E-01	6.78E-01		7.83E-01	1.60E-03
308868.97	3917170.62	8.14E-03	1.00E+00		2.82E-06	8.51E-06	1.06E-01	6.88E-01		7.94E-01	1.63E-03
308878.97	3917170.62	8.26E-03	1.00E+00		2.86E-06	8.63E-06	1.07E-01	6.98E-01		8.06E-01	1.65E-03
308888.97	3917170.62	8.38E-03	1.00E+00		2.90E-06	8.76E-06	1.09E-01	7.09E-01		8.18E-01	1.68E-03
308898.97	3917170.62	8.51E-03	1.00E+00		2.95E-06	8.89E-06	1.10E-01	7.19E-01		8.30E-01	1.70E-03
308908.97	3917170.62	8.64E-03	1.00E+00		2.99E-06	9.03E-06	1.12E-01	7.30E-01		8.43E-01	1.73E-03
308918.97	3917170.62	8.77E-03	1.00E+00		3.04E-06	9.17E-06	1.14E-01	7.42E-01		8.55E-01	1.75E-03
308928.97	3917170.62	8.91E-03	1.00E+00		3.08E-06	9.31E-06	1.16E-01	7.53E-01		8.69E-01	1.78E-03
308938.97	3917170.62	9.05E-03	1.00E+00		3.13E-06	9.46E-06	1.17E-01	7.65E-01		8.82E-01	1.81E-03
308948.97	3917170.62	9.19E-03	1.00E+00		3.18E-06	9.61E-06	1.19E-01	7.77E-01		8.96E-01	1.84E-03
308958.97	3917170.62	9.34E-03	1.00E+00		3.23E-06	9.76E-06	1.21E-01	7.89E-01		9.10E-01	1.87E-03
308968.97	3917170.62	9.48E-03	1.00E+00		3.28E-06	9.91E-06	1.23E-01	8.02E-01		9.25E-01	1.90E-03
308978.97	3917170.62	9.64E-03	1.00E+00		3.34E-06	1.01E-05	1.25E-01	8.15E-01		9.40E-01	1.93E-03
308988.97	3917170.62	9.80E-03	1.00E+00		3.39E-06	1.02E-05	1.27E-01	8.28E-01		9.55E-01	1.96E-03
308998.97	3917170.62	9.96E-03	1.00E+00		3.45E-06	1.04E-05	1.29E-01	8.42E-01		9.71E-01	1.99E-03
309008.97	3917170.62	1.01E-02	1.00E+00		3.50E-06	1.06E-05	1.31E-01	8.56E-01		9.87E-01	2.02E-03
309018.97	3917170.62	1.03E-02	1.00E+00		3.56E-06	1.08E-05	1.34E-01	8.70E-01		1.00E+00	2.06E-03
309028.97	3917170.62	1.05E-02	1.00E+00		3.62E-06	1.09E-05	1.36E-01	8.85E-01		1.02E+00	2.09E-03
309038.97	3917170.62	1.06E-02	1.00E+00		3.68E-06	1.11E-05	1.38E-01	9.00E-01		1.04E+00	2.13E-03
309048.97	3917170.62	1.08E-02	1.00E+00		3.75E-06	1.13E-05	1.41E-01	9.16E-01		1.06E+00	2.17E-03
309058.97	3917170.62	1.10E-02	1.00E+00		3.81E-06	1.15E-05	1.43E-01	9.32E-01		1.07E+00	2.20E-03
309068.97	3917170.62	1.12E-02	1.00E+00		3.88E-06	1.17E-05	1.46E-01	9.48E-01		1.09E+00	2.24E-03
309078.97	3917170.62	1.14E-02	1.00E+00		3.95E-06	1.19E-05	1.48E-01	9.65E-01		1.11E+00	2.28E-03
309088.97	3917170.62	1.16E-02	1.00E+00		4.02E-06	1.21E-05	1.51E-01	9.83E-01		1.13E+00	2.32E-03
309098.97	3917170.62	1.18E-02	1.00E+00		4.10E-06	1.24E-05	1.54E-01	1.00E+00		1.15E+00	2.37E-03
309108.97	3917170.62	1.21E-02	1.00E+00		4.18E-06	1.26E-05	1.57E-01	1.02E+00		1.18E+00	2.41E-03
309118.97	3917170.62	1.23E-02	1.00E+00		4.25E-06	1.28E-05	1.60E-01	1.04E+00		1.20E+00	2.46E-03
309128.97	3917170.62	1.25E-02	1.00E+00		4.34E-06	1.31E-05	1.63E-01	1.06E+00		1.22E+00	2.51E-03
308838.97	3917180.62	7.86E-03	1.00E+00		2.72E-06	8.22E-06	1.02E-01	6.65E-01		7.67E-01	1.57E-03
308848.97	3917180.62	7.98E-03	1.00E+00		2.76E-06	8.34E-06	1.04E-01	6.74E-01		7.78E-01	1.60E-03
308858.97	3917180.62	8.09E-03	1.00E+00		2.80E-06	8.46E-06	1.05E-01	6.84E-01		7.89E-01	1.62E-03
308868.97	3917180.62	8.21E-03	1.00E+00		2.84E-06	8.58E-06	1.07E-01	6.94E-01		8.01E-01	1.64E-03
308878.97	3917180.62	8.33E-03	1.00E+00		2.89E-06	8.71E-06	1.08E-01	7.05E-01		8.13E-01	1.67E-03
308888.97	3917180.62	8.46E-03	1.00E+00		2.93E-06	8.84E-06	1.10E-01	7.15E-01		8.25E-01	1.69E-03
308898.97	3917180.62	8.59E-03	1.00E+00		2.97E-06	8.98E-06	1.11E-01	7.26E-01		8.38E-01	1.72E-03
308908.97	3917180.62	8.72E-03	1.00E+00		3.02E-06	9.11E-06	1.13E-01	7.37E-01		8.50E-01	1.74E-03
308918.97	3917180.62	8.85E-03	1.00E+00		3.07E-06	9.25E-06	1.15E-01	7.49E-01		8.64E-01	1.77E-03
308928.97	3917180.62	8.99E-03	1.00E+00		3.11E-06	9.40E-06	1.17E-01	7.60E-01		8.77E-01	1.80E-03
308938.97	3917180.62	9.13E-03	1.00E+00		3.16E-06	9.55E-06	1.19E-01	7.72E-01		8.91E-01	1.83E-03
308948.97	3917180.62	9.28E-03	1.00E+00		3.21E-06	9.70E-06	1.20E-01	7.84E-01		9.05E-01	1.86E-03
308958.97	3917180.62	9.43E-03	1.00E+00		3.26E-06	9.85E-06	1.22E-01	7.97E-01		9.19E-01	1.89E-03
308968.97	3917180.62	9.58E-03	1.00E+00		3.32E-06	1.00E-05	1.24E-01	8.10E-01		9.34E-01	1.92E-03
308978.97	3917180.62	9.74E-03	1.00E+00		3.37E-06	1.02E-05	1.26E-01	8.23E-01		9.50E-01	1.95E-03
308988.97	3917180.62	9.90E-03	1.00E+00		3.43E-06	1.03E-05	1.28E-01	8.37E-01		9.65E-01	1.98E-03
308998.97	3917180.62	1.01E-02	1.00E+00		3.48E-06	1.05E-05	1.31E-01	8.51E-01		9.81E-01	2.01E-03
309008.97	3917180.62	1.02E-02	1.00E+00		3.54E-06	1.07E-05	1.33E-01	8.65E-01		9.98E-01	2.05E-03
309018.97	3917180.62	1.04E-02	1.00E+00		3.60E-06	1.09E-05	1.35E-01	8.79E-01		1.01E+00	2.08E-03
309028.97	3917180.62	1.06E-02	1.00E+00		3.66E-06	1.11E-05	1.37E-01	8.95E-01		1.03E+00	2.12E-03
309038.97	3917180.62	1.08E-02	1.00E+00		3.73E-06	1.12E-05	1.40E-01	9.10E-01		1.05E+00	2.15E-03
309048.97	3917180.62	1.10E-02	1.00E+00		3.79E-06	1.14E-05	1.42E-01	9.26E-01		1.07E+00	2.19E-03
309058.97	3917180.62	1.11E-02	1.00E+00		3.86E-06	1.16E-05	1.45E-01	9.42E-01		1.09E+00	2.23E-03
309068.97	3917180.62	1.13E-02	1.00E+00		3.93E-06	1.19E-05	1.47E-01	9.59E-01		1.11E+00	2.27E-03
309078.97	3917180.62	1.16E-02	1.00E+00		4.00E-06	1.21E-05	1.50E-01	9.77E-01		1.13E+00	2.31E-03
309088.97	3917180.62	1.18E-02	1.00E+00		4.07E-06	1.23E-05	1.53E-01	9.95E-01		1.15E+00	2.35E-03
309098.97	3917180.62	1.20E-02	1.00E+00		4.15E-06	1.25E-05	1.56E-01	1.01E+00		1.17E+00	2.40E-03
309108.97	3917180.62	1.22E-02	1.00E+00		4.23E-06	1.28E-05	1.59E-01	1.03E+00		1.19E+00	2.44E-03
309118.97	3917180.62	1.25E-02	1.00E+00		4.31E-06	1.30E-05	1.62E-01	1.05E+00		1.21E+00	2.49E-03
309128.97	3917180.62	1.27E-02	1.00E+00		4.39E-06	1.33E-05	1.65E-01	1.07E+00		1.24E+00	2.54E-03
308758.97	3917300.62	7.54E-03	1.00E+00		2.61E-06	7.89E-06	9.79E-02	6.38E-01		7.36E-01	1.51E-03

308768.97	3917300.62	7.65E-03	1.00E+00			2.65E-06	8.00E-06			9.93E-02	6.47E-01			7.46E-01	1.53E-03				
308778.97	3917300.62	7.76E-03	1.00E+00			2.69E-06	8.12E-06			1.01E-01	6.56E-01			7.57E-01	1.55E-03				
308788.97	3917300.62	7.88E-03	1.00E+00			2.73E-06	8.24E-06			1.02E-01	6.66E-01			7.68E-01	1.58E-03				
308798.97	3917300.62	8.00E-03	1.00E+00			2.77E-06	8.36E-06			1.04E-01	6.76E-01			7.80E-01	1.60E-03				
308758.97	3917310.62	7.58E-03	1.00E+00			2.62E-06	7.92E-06			9.84E-02	6.41E-01			7.39E-01	1.52E-03				
308768.97	3917310.62	7.69E-03	1.00E+00			2.66E-06	8.04E-06			9.98E-02	6.50E-01			7.50E-01	1.54E-03				
308778.97	3917310.62	7.80E-03	1.00E+00			2.70E-06	8.15E-06			1.01E-01	6.60E-01			7.61E-01	1.56E-03				
308788.97	3917310.62	7.92E-03	1.00E+00			2.74E-06	8.27E-06			1.03E-01	6.69E-01			7.72E-01	1.58E-03				
308798.97	3917310.62	8.03E-03	1.00E+00			2.78E-06	8.40E-06			1.04E-01	6.79E-01			7.83E-01	1.61E-03				
308758.97	3917320.62	7.61E-03	1.00E+00			2.64E-06	7.96E-06			9.88E-02	6.44E-01			7.43E-01	1.52E-03				
308768.97	3917320.62	7.72E-03	1.00E+00			2.67E-06	8.07E-06			1.00E-01	6.53E-01			7.53E-01	1.54E-03				
308778.97	3917320.62	7.84E-03	1.00E+00			2.71E-06	8.19E-06			1.02E-01	6.63E-01			7.64E-01	1.57E-03				
308788.97	3917320.62	7.95E-03	1.00E+00			2.75E-06	8.31E-06			1.03E-01	6.72E-01			7.75E-01	1.59E-03				
308798.97	3917320.62	8.07E-03	1.00E+00			2.79E-06	8.43E-06			1.05E-01	6.82E-01			7.87E-01	1.61E-03				
308758.97	3917330.62	7.64E-03	1.00E+00			2.65E-06	7.99E-06			9.92E-02	6.46E-01			7.45E-01	1.53E-03				
308768.97	3917330.62	7.75E-03	1.00E+00			2.68E-06	8.10E-06			1.01E-01	6.55E-01			7.56E-01	1.55E-03				
308778.97	3917330.62	7.87E-03	1.00E+00			2.72E-06	8.22E-06			1.02E-01	6.65E-01			7.67E-01	1.57E-03				
308788.97	3917330.62	7.98E-03	1.00E+00			2.76E-06	8.34E-06			1.04E-01	6.75E-01			7.78E-01	1.60E-03				
308798.97	3917330.62	8.10E-03	1.00E+00			2.80E-06	8.46E-06			1.05E-01	6.85E-01			7.90E-01	1.62E-03				
308758.97	3917340.62	7.68E-03	1.00E+00			2.66E-06	8.03E-06			9.97E-02	6.49E-01			7.49E-01	1.54E-03				
308768.97	3917340.62	7.79E-03	1.00E+00			2.70E-06	8.14E-06			1.01E-01	6.58E-01			7.60E-01	1.56E-03				
308778.97	3917340.62	7.90E-03	1.00E+00			2.74E-06	8.26E-06			1.03E-01	6.68E-01			7.71E-01	1.58E-03				
308788.97	3917340.62	8.02E-03	1.00E+00			2.78E-06	8.38E-06			1.04E-01	6.78E-01			7.82E-01	1.60E-03				
308798.97	3917340.62	8.14E-03	1.00E+00			2.82E-06	8.50E-06			1.06E-01	6.88E-01			7.94E-01	1.63E-03				
308758.97	3917350.62	7.71E-03	1.00E+00			2.67E-06	8.05E-06			1.00E-01	6.51E-01			7.51E-01	1.54E-03				
308768.97	3917350.62	7.82E-03	1.00E+00			2.71E-06	8.17E-06			1.01E-01	6.61E-01			7.62E-01	1.56E-03				
308778.97	3917350.62	7.93E-03	1.00E+00			2.75E-06	8.29E-06			1.03E-01	6.70E-01			7.73E-01	1.59E-03				
308788.97	3917350.62	8.05E-03	1.00E+00			2.79E-06	8.41E-06			1.04E-01	6.80E-01			7.85E-01	1.61E-03				
308798.97	3917350.62	8.17E-03	1.00E+00			2.83E-06	8.54E-06			1.06E-01	6.90E-01			7.96E-01	1.63E-03				
308758.97	3917360.62	7.74E-03	1.00E+00			2.68E-06	8.09E-06			1.00E-01	6.54E-01			7.55E-01	1.55E-03				
308768.97	3917360.62	7.85E-03	1.00E+00			2.72E-06	8.20E-06			1.02E-01	6.64E-01			7.65E-01	1.57E-03				
308778.97	3917360.62	7.96E-03	1.00E+00			2.76E-06	8.32E-06			1.03E-01	6.73E-01			7.77E-01	1.59E-03				
308788.97	3917360.62	8.08E-03	1.00E+00			2.80E-06	8.45E-06			1.05E-01	6.83E-01			7.88E-01	1.62E-03				
308798.97	3917360.62	8.20E-03	1.00E+00			2.84E-06	8.57E-06			1.06E-01	6.93E-01			8.00E-01	1.64E-03				
308758.97	3917370.62	7.77E-03	1.00E+00			2.69E-06	8.12E-06			1.01E-01	6.57E-01			7.57E-01	1.55E-03				
308768.97	3917370.62	7.88E-03	1.00E+00			2.73E-06	8.23E-06			1.02E-01	6.66E-01			7.68E-01	1.58E-03				
308778.97	3917370.62	7.99E-03	1.00E+00			2.77E-06	8.35E-06			1.04E-01	6.76E-01			7.80E-01	1.60E-03				
308788.97	3917370.62	8.11E-03	1.00E+00			2.81E-06	8.48E-06			1.05E-01	6.86E-01			7.91E-01	1.62E-03				
308798.97	3917370.62	8.23E-03	1.00E+00			2.85E-06	8.60E-06			1.07E-01	6.96E-01			8.03E-01	1.65E-03				
308808.97	3917370.62	8.36E-03	1.00E+00			2.89E-06	8.73E-06			1.08E-01	7.07E-01			8.15E-01	1.67E-03				
308818.97	3917370.62	8.48E-03	1.00E+00			2.94E-06	8.87E-06			1.10E-01	7.17E-01			8.27E-01	1.70E-03				
308828.97	3917370.62	8.62E-03	1.00E+00			2.98E-06	9.00E-06			1.12E-01	7.28E-01			8.40E-01	1.72E-03				
308838.97	3917370.62	8.75E-03	1.00E+00			3.03E-06	9.15E-06			1.14E-01	7.40E-01			8.53E-01	1.75E-03				
308848.97	3917370.62	8.89E-03	1.00E+00			3.08E-06	9.29E-06			1.15E-01	7.51E-01			8.67E-01	1.78E-03				
308858.97	3917370.62	9.03E-03	1.00E+00			3.12E-06	9.43E-06			1.17E-01	7.63E-01			8.80E-01	1.81E-03				
308868.97	3917370.62	9.17E-03	1.00E+00			3.17E-06	9.58E-06			1.19E-01	7.75E-01			8.94E-01	1.83E-03				
308888.97	3917370.62	9.47E-03	1.00E+00			3.28E-06	9.90E-06			1.23E-01	8.01E-01			9.24E-01	1.89E-03				
308898.97	3917370.62	9.63E-03	1.00E+00			3.33E-06	1.01E-05			1.25E-01	8.14E-01			9.39E-01	1.93E-03				
308908.97	3917370.62	9.79E-03	1.00E+00			3.39E-06	1.02E-05			1.27E-01	8.28E-01			9.55E-01	1.96E-03				
308918.97	3917370.62	9.95E-03	1.00E+00			3.45E-06	1.04E-05			1.29E-01	8.42E-01			9.71E-01	1.99E-03				
308928.97	3917370.62	1.01E-02	1.00E+00			3.50E-06	1.06E-05			1.31E-01	8.56E-01			9.87E-01	2.02E-03				
308938.97	3917370.62	1.03E-02	1.00E+00			3.56E-06	1.08E-05			1.34E-01	8.71E-01			1.00E+00	2.06E-03				
308948.97	3917370.62	1.05E-02	1.00E+00			3.63E-06	1.09E-05			1.36E-01	8.86E-01			1.02E+00	2.10E-03				
308758.97	3917380.62	7.79E-03	1.00E+00			2.70E-06	8.15E-06			1.01E-01	6.59E-01			7.60E-01	1.56E-03				
308768.97	3917380.62	7.91E-03	1.00E+00			2.74E-06	8.27E-06			1.03E-01	6.69E-01			7.71E-01	1.58E-03				
308778.97	3917380.62	8.02E-03	1.00E+00			2.78E-06	8.39E-06			1.04E-01	6.78E-01			7.83E-01	1.60E-03				
308788.97	3917380.62	8.14E-03	1.00E+00			2.82E-06	8.51E-06			1.06E-01	6.88E-01			7.94E-01	1.63E-03				
308798.97	3917380.62	8.26E-03	1.00E+00			2.86E-06	8.64E-06			1.07E-01	6.99E-01			8.06E-01	1.65E-03				
308808.97	3917380.62	8.39E-03	1.00E+00			2.90E-06	8.77E-06			1.09E-01	7.09E-01			8.18E-01	1.68E-03				
308818.97	3917380.62	8.51E-03	1.00E+00			2.95E-06	8.90E-06			1.11E-01	7.20E-01			8.30E-01	1.70E-03				
308828.97	3917380.62	8.64E-03	1.00E+00			2.99E-06	9.03E-06			1.12E-01	7.31E-01			8.43E-01	1.73E-03				
308838.97	3917380.62	8.78E-03	1.00E+00			3.04E-06	9.18E-06			1.14E-01	7.42E-01			8.56E-01	1.76E-03				
308848.97	3917380.62	8.92E-03	1.00E+00			3.09E-06	9.32E-06			1.16E-01	7.54E-01			8.70E-01	1.78E-03				
308858.97	3917380.62	9.06E-03	1.00E+00			3.14E-06	9.47E-06			1.18E-01	7.66E-01			8.84E-01	1.81E-03				
308868.97	3917380.62	9.21E-03	1.00E+00			3.19E-06	9.63E-06			1.20E-01	7.79E-01			8.98E-01	1.84E-03				
308888.97	3917380.62	9.51E-03	1.00E+00			3.29E-06	9.94E-06			1.23E-01	8.04E-01			9.28E-01	1.90E-03				
308898.97	3917380.62	9.67E-03	1.00E+00			3.35E-06	1.01E-05			1.25E-01	8.17E-01			9.43E-01	1.93E-03				
308908.97	3917380.62	9.83E-03	1.00E+00			3.40E-06	1.03E-05			1.28E-01	8.31E-01			9.59E-01	1.97E-03				
308918.97	3917380.62	1.00E-02	1.00E+00			3.46E-06	1.04E-05			1.30E-01	8.45E-01			9.75E-01	2.00E-03				
308928.97	3917380.62	1.02E-02	1.00E+00			3.52E-06	1.06E-05			1.32E-01	8.60E-01			9.92E-01	2.03E-03				
308938.97	3917380.62	1.03E-02	1.00E+00			3.58E-06	1.08E-05			1.34E-01	8.75E-01			1.01E+00	2.07E-03				
308948.97	3917380.62	1.05E-02	1.00E+00			3.64E-06	1.10E-05			1.37E-01	8.90E-01			1.03E+00	2.11E-03				

308758.97	3917390.62	7.82E-03	1.00E+00		2.71E-06	8.18E-06		1.02E-01	6.61E-01	7.63E-01	1.56E-03
308768.97	3917390.62	7.93E-03	1.00E+00		2.75E-06	8.29E-06		1.03E-01	6.71E-01	7.74E-01	1.59E-03
308778.97	3917390.62	8.05E-03	1.00E+00		2.79E-06	8.42E-06		1.05E-01	6.81E-01	7.85E-01	1.61E-03
308788.97	3917390.62	8.17E-03	1.00E+00		2.83E-06	8.54E-06		1.06E-01	6.91E-01	7.97E-01	1.63E-03
308798.97	3917390.62	8.29E-03	1.00E+00		2.87E-06	8.67E-06		1.08E-01	7.01E-01	8.09E-01	1.66E-03
308808.97	3917390.62	8.42E-03	1.00E+00		2.91E-06	8.80E-06		1.09E-01	7.12E-01	8.21E-01	1.68E-03
308818.97	3917390.62	8.55E-03	1.00E+00		2.96E-06	8.93E-06		1.11E-01	7.23E-01	8.34E-01	1.71E-03
308828.97	3917390.62	8.68E-03	1.00E+00		3.00E-06	9.07E-06		1.13E-01	7.34E-01	8.46E-01	1.74E-03
308838.97	3917390.62	8.81E-03	1.00E+00		3.05E-06	9.21E-06		1.14E-01	7.45E-01	8.60E-01	1.76E-03
308848.97	3917390.62	8.95E-03	1.00E+00		3.10E-06	9.36E-06		1.16E-01	7.57E-01	8.73E-01	1.79E-03
308858.97	3917390.62	9.10E-03	1.00E+00		3.15E-06	9.51E-06		1.18E-01	7.69E-01	8.87E-01	1.82E-03
308868.97	3917390.62	9.24E-03	1.00E+00		3.20E-06	9.66E-06		1.20E-01	7.81E-01	9.01E-01	1.85E-03
308938.97	3917390.62	1.04E-02	1.00E+00		3.60E-06	1.09E-05		1.35E-01	8.78E-01	1.01E+00	2.08E-03
308948.97	3917390.62	1.06E-02	1.00E+00		3.66E-06	1.10E-05		1.37E-01	8.94E-01	1.03E+00	2.11E-03
308758.97	3917400.62	7.85E-03	1.00E+00		2.72E-06	8.21E-06		1.02E-01	6.64E-01	7.66E-01	1.57E-03
308768.97	3917400.62	7.97E-03	1.00E+00		2.76E-06	8.33E-06		1.03E-01	6.74E-01	7.77E-01	1.59E-03
308778.97	3917400.62	8.08E-03	1.00E+00		2.80E-06	8.45E-06		1.05E-01	6.83E-01	7.88E-01	1.62E-03
308788.97	3917400.62	8.20E-03	1.00E+00		2.84E-06	8.57E-06		1.06E-01	6.93E-01	8.00E-01	1.64E-03
308798.97	3917400.62	8.32E-03	1.00E+00		2.88E-06	8.70E-06		1.08E-01	7.04E-01	8.12E-01	1.66E-03
308808.97	3917400.62	8.45E-03	1.00E+00		2.93E-06	8.83E-06		1.10E-01	7.14E-01	8.24E-01	1.69E-03
308818.97	3917400.62	8.58E-03	1.00E+00		2.97E-06	8.97E-06		1.11E-01	7.25E-01	8.37E-01	1.72E-03
308838.97	3917400.62	8.85E-03	1.00E+00		3.06E-06	9.25E-06		1.15E-01	7.48E-01	8.63E-01	1.77E-03
308848.97	3917400.62	8.99E-03	1.00E+00		3.11E-06	9.40E-06		1.17E-01	7.60E-01	8.77E-01	1.80E-03
308858.97	3917400.62	9.13E-03	1.00E+00		3.16E-06	9.55E-06		1.19E-01	7.72E-01	8.91E-01	1.83E-03
308868.97	3917400.62	9.28E-03	1.00E+00		3.21E-06	9.70E-06		1.20E-01	7.85E-01	9.05E-01	1.86E-03
308888.97	3917400.62	9.59E-03	1.00E+00		3.32E-06	1.00E-05		1.24E-01	8.11E-01	9.35E-01	1.92E-03
308898.97	3917400.62	9.75E-03	1.00E+00		3.37E-06	1.02E-05		1.27E-01	8.24E-01	9.51E-01	1.95E-03
308908.97	3917400.62	9.91E-03	1.00E+00		3.43E-06	1.04E-05		1.29E-01	8.38E-01	9.67E-01	1.98E-03
308918.97	3917400.62	1.01E-02	1.00E+00		3.49E-06	1.05E-05		1.31E-01	8.52E-01	9.83E-01	2.02E-03
308938.97	3917400.62	1.04E-02	1.00E+00		3.61E-06	1.09E-05		1.35E-01	8.82E-01	1.02E+00	2.09E-03
308948.97	3917400.62	1.06E-02	1.00E+00		3.67E-06	1.11E-05		1.38E-01	8.97E-01	1.04E+00	2.12E-03
308758.97	3917410.62	7.88E-03	1.00E+00		2.73E-06	8.23E-06		1.02E-01	6.66E-01	7.68E-01	1.58E-03
308768.97	3917410.62	7.99E-03	1.00E+00		2.77E-06	8.35E-06		1.04E-01	6.76E-01	7.80E-01	1.60E-03
308778.97	3917410.62	8.11E-03	1.00E+00		2.81E-06	8.48E-06		1.05E-01	6.86E-01	7.91E-01	1.62E-03
308788.97	3917410.62	8.23E-03	1.00E+00		2.85E-06	8.61E-06		1.07E-01	6.96E-01	8.03E-01	1.65E-03
308798.97	3917410.62	8.36E-03	1.00E+00		2.89E-06	8.73E-06		1.08E-01	7.07E-01	8.15E-01	1.67E-03
308808.97	3917410.62	8.48E-03	1.00E+00		2.94E-06	8.87E-06		1.10E-01	7.17E-01	8.27E-01	1.70E-03
308818.97	3917410.62	8.61E-03	1.00E+00		2.98E-06	9.00E-06		1.12E-01	7.28E-01	8.40E-01	1.72E-03
308838.97	3917410.62	8.88E-03	1.00E+00		3.07E-06	9.28E-06		1.15E-01	7.51E-01	8.66E-01	1.78E-03
308848.97	3917410.62	9.02E-03	1.00E+00		3.12E-06	9.43E-06		1.17E-01	7.63E-01	8.80E-01	1.80E-03
308858.97	3917410.62	9.17E-03	1.00E+00		3.17E-06	9.58E-06		1.19E-01	7.75E-01	8.94E-01	1.83E-03
308868.97	3917410.62	9.32E-03	1.00E+00		3.23E-06	9.74E-06		1.21E-01	7.88E-01	9.09E-01	1.86E-03
308888.97	3917410.62	9.63E-03	1.00E+00		3.33E-06	1.01E-05		1.25E-01	8.14E-01	9.39E-01	1.93E-03
308898.97	3917410.62	9.79E-03	1.00E+00		3.39E-06	1.02E-05		1.27E-01	8.27E-01	9.54E-01	1.96E-03
308908.97	3917410.62	9.95E-03	1.00E+00		3.44E-06	1.04E-05		1.29E-01	8.41E-01	9.70E-01	1.99E-03
308918.97	3917410.62	1.01E-02	1.00E+00		3.50E-06	1.06E-05		1.31E-01	8.56E-01	9.87E-01	2.02E-03
308938.97	3917410.62	1.05E-02	1.00E+00		3.63E-06	1.10E-05		1.36E-01	8.86E-01	1.02E+00	2.10E-03
308948.97	3917410.62	1.07E-02	1.00E+00		3.69E-06	1.11E-05		1.38E-01	9.02E-01	1.04E+00	2.13E-03
308758.97	3917420.62	7.91E-03	1.00E+00		2.74E-06	8.27E-06		1.03E-01	6.69E-01	7.71E-01	1.58E-03
308768.97	3917420.62	8.02E-03	1.00E+00		2.78E-06	8.39E-06		1.04E-01	6.78E-01	7.82E-01	1.60E-03
308778.97	3917420.62	8.14E-03	1.00E+00		2.82E-06	8.51E-06		1.06E-01	6.88E-01	7.94E-01	1.63E-03
308788.97	3917420.62	8.26E-03	1.00E+00		2.86E-06	8.63E-06		1.07E-01	6.98E-01	8.06E-01	1.65E-03
308798.97	3917420.62	8.38E-03	1.00E+00		2.90E-06	8.76E-06		1.09E-01	7.09E-01	8.18E-01	1.68E-03
308808.97	3917420.62	8.51E-03	1.00E+00		2.95E-06	8.90E-06		1.10E-01	7.20E-01	8.30E-01	1.70E-03
308818.97	3917420.62	8.64E-03	1.00E+00		2.99E-06	9.03E-06		1.12E-01	7.31E-01	8.43E-01	1.73E-03
308838.97	3917420.62	8.92E-03	1.00E+00		3.09E-06	9.32E-06		1.16E-01	7.54E-01	8.70E-01	1.78E-03
308848.97	3917420.62	9.06E-03	1.00E+00		3.14E-06	9.47E-06		1.18E-01	7.66E-01	8.83E-01	1.81E-03
308858.97	3917420.62	9.20E-03	1.00E+00		3.18E-06	9.62E-06		1.19E-01	7.78E-01	8.97E-01	1.84E-03
308868.97	3917420.62	9.35E-03	1.00E+00		3.24E-06	9.77E-06		1.21E-01	7.91E-01	9.12E-01	1.87E-03
308888.97	3917420.62	9.67E-03	1.00E+00		3.35E-06	1.01E-05		1.25E-01	8.17E-01	9.43E-01	1.93E-03
308898.97	3917420.62	9.83E-03	1.00E+00		3.40E-06	1.03E-05		1.28E-01	8.31E-01	9.59E-01	1.97E-03
308908.97	3917420.62	1.00E-02	1.00E+00		3.46E-06	1.04E-05		1.30E-01	8.45E-01	9.75E-01	2.00E-03
308918.97	3917420.62	1.02E-02	1.00E+00		3.52E-06	1.06E-05		1.32E-01	8.59E-01	9.91E-01	2.03E-03
308938.97	3917420.62	1.05E-02	1.00E+00		3.64E-06	1.10E-05		1.37E-01	8.89E-01	1.03E+00	2.10E-03
308948.97	3917420.62	1.07E-02	1.00E+00		3.71E-06	1.12E-05		1.39E-01	9.05E-01	1.04E+00	2.14E-03
308758.97	3917430.62	7.93E-03	1.00E+00		2.75E-06	8.29E-06		1.03E-01	6.71E-01	7.74E-01	1.59E-03
308768.97	3917430.62	8.05E-03	1.00E+00		2.79E-06	8.42E-06		1.05E-01	6.81E-01	7.85E-01	1.61E-03
308778.97	3917430.62	8.17E-03	1.00E+00		2.83E-06	8.54E-06		1.06E-01	6.91E-01	7.97E-01	1.63E-03
308788.97	3917430.62	8.29E-03	1.00E+00		2.87E-06	8.67E-06		1.08E-01	7.01E-01	8.09E-01	1.66E-03
308798.97	3917430.62	8.42E-03	1.00E+00		2.91E-06	8.80E-06		1.09E-01	7.12E-01	8.21E-01	1.68E-03
308808.97	3917430.62	8.54E-03	1.00E+00		2.96E-06	8.93E-06		1.11E-01	7.22E-01	8.33E-01	1.71E-03
308818.97	3917430.62	8.67E-03	1.00E+00		3.00E-06	9.07E-06		1.13E-01	7.33E-01	8.46E-01	1.73E-03

308838.97	3917430.62	8.95E-03	1.00E+00			3.10E-06	9.35E-06	1.16E-01	7.57E-01	8.73E-01	1.79E-03
308848.97	3917430.62	9.09E-03	1.00E+00			3.15E-06	9.50E-06	1.18E-01	7.69E-01	8.87E-01	1.82E-03
308858.97	3917430.62	9.24E-03	1.00E+00			3.20E-06	9.65E-06	1.20E-01	7.81E-01	9.01E-01	1.85E-03
308868.97	3917430.62	9.39E-03	1.00E+00			3.25E-06	9.81E-06	1.22E-01	7.94E-01	9.16E-01	1.88E-03
308888.97	3917430.62	9.70E-03	1.00E+00			3.36E-06	1.01E-05	1.26E-01	8.20E-01	9.46E-01	1.94E-03
308898.97	3917430.62	9.87E-03	1.00E+00			3.42E-06	1.03E-05	1.28E-01	8.34E-01	9.62E-01	1.97E-03
308908.97	3917430.62	1.00E-02	1.00E+00			3.47E-06	1.05E-05	1.30E-01	8.49E-01	9.79E-01	2.01E-03
308918.97	3917430.62	1.02E-02	1.00E+00			3.53E-06	1.07E-05	1.33E-01	8.63E-01	9.96E-01	2.04E-03
308938.97	3917430.62	1.06E-02	1.00E+00			3.66E-06	1.10E-05	1.37E-01	8.94E-01	1.03E+00	2.11E-03
308948.97	3917430.62	1.08E-02	1.00E+00			3.72E-06	1.12E-05	1.40E-01	9.10E-01	1.05E+00	2.15E-03
308758.97	3917440.62	7.96E-03	1.00E+00			2.76E-06	8.32E-06	1.03E-01	6.73E-01	7.76E-01	1.59E-03
308768.97	3917440.62	8.08E-03	1.00E+00			2.80E-06	8.44E-06	1.05E-01	6.83E-01	7.88E-01	1.62E-03
308778.97	3917440.62	8.20E-03	1.00E+00			2.84E-06	8.57E-06	1.06E-01	6.93E-01	7.99E-01	1.64E-03
308788.97	3917440.62	8.32E-03	1.00E+00			2.88E-06	8.69E-06	1.08E-01	7.03E-01	8.11E-01	1.66E-03
308798.97	3917440.62	8.45E-03	1.00E+00			2.92E-06	8.83E-06	1.10E-01	7.14E-01	8.24E-01	1.69E-03
308808.97	3917440.62	8.58E-03	1.00E+00			2.97E-06	8.96E-06	1.11E-01	7.25E-01	8.36E-01	1.72E-03
308818.97	3917440.62	8.71E-03	1.00E+00			3.01E-06	9.10E-06	1.13E-01	7.36E-01	8.49E-01	1.74E-03
308838.97	3917440.62	8.98E-03	1.00E+00			3.11E-06	9.39E-06	1.17E-01	7.60E-01	8.76E-01	1.80E-03
308848.97	3917440.62	9.13E-03	1.00E+00			3.16E-06	9.54E-06	1.18E-01	7.72E-01	8.90E-01	1.83E-03
308858.97	3917440.62	9.27E-03	1.00E+00			3.21E-06	9.69E-06	1.20E-01	7.84E-01	9.04E-01	1.85E-03
308868.97	3917440.62	9.42E-03	1.00E+00			3.26E-06	9.85E-06	1.22E-01	7.97E-01	9.19E-01	1.88E-03
308888.97	3917440.62	9.74E-03	1.00E+00			3.37E-06	1.02E-05	1.26E-01	8.23E-01	9.50E-01	1.95E-03
308898.97	3917440.62	9.90E-03	1.00E+00			3.43E-06	1.04E-05	1.29E-01	8.37E-01	9.66E-01	1.98E-03
308908.97	3917440.62	1.01E-02	1.00E+00			3.49E-06	1.05E-05	1.31E-01	8.52E-01	9.82E-01	2.01E-03
308918.97	3917440.62	1.02E-02	1.00E+00			3.55E-06	1.07E-05	1.33E-01	8.66E-01	9.99E-01	2.05E-03
308938.97	3917440.62	1.06E-02	1.00E+00			3.68E-06	1.11E-05	1.38E-01	8.98E-01	1.04E+00	2.12E-03
308948.97	3917440.62	1.08E-02	1.00E+00			3.74E-06	1.13E-05	1.40E-01	9.14E-01	1.05E+00	2.16E-03
308758.97	3917450.62	7.99E-03	1.00E+00			2.77E-06	8.35E-06	1.04E-01	6.76E-01	7.79E-01	1.60E-03
308768.97	3917450.62	8.11E-03	1.00E+00			2.81E-06	8.47E-06	1.05E-01	6.85E-01	7.91E-01	1.62E-03
308778.97	3917450.62	8.23E-03	1.00E+00			2.85E-06	8.60E-06	1.07E-01	6.96E-01	8.02E-01	1.65E-03
308788.97	3917450.62	8.35E-03	1.00E+00			2.89E-06	8.73E-06	1.08E-01	7.06E-01	8.14E-01	1.67E-03
308798.97	3917450.62	8.47E-03	1.00E+00			2.93E-06	8.86E-06	1.10E-01	7.17E-01	8.27E-01	1.69E-03
308808.97	3917450.62	8.60E-03	1.00E+00			2.98E-06	8.99E-06	1.12E-01	7.27E-01	8.39E-01	1.72E-03
308818.97	3917450.62	8.74E-03	1.00E+00			3.02E-06	9.13E-06	1.13E-01	7.39E-01	8.52E-01	1.75E-03
308838.97	3917450.62	9.01E-03	1.00E+00			3.12E-06	9.42E-06	1.17E-01	7.62E-01	8.79E-01	1.80E-03
308848.97	3917450.62	9.16E-03	1.00E+00			3.17E-06	9.57E-06	1.19E-01	7.74E-01	8.93E-01	1.83E-03
308858.97	3917450.62	9.31E-03	1.00E+00			3.22E-06	9.73E-06	1.21E-01	7.87E-01	9.08E-01	1.86E-03
308868.97	3917450.62	9.46E-03	1.00E+00			3.27E-06	9.89E-06	1.23E-01	8.00E-01	9.23E-01	1.89E-03
308888.97	3917450.62	9.78E-03	1.00E+00			3.38E-06	1.02E-05	1.27E-01	8.27E-01	9.54E-01	1.96E-03
308898.97	3917450.62	9.95E-03	1.00E+00			3.44E-06	1.04E-05	1.29E-01	8.41E-01	9.70E-01	1.99E-03
308908.97	3917450.62	1.01E-02	1.00E+00			3.50E-06	1.06E-05	1.31E-01	8.56E-01	9.87E-01	2.02E-03
308918.97	3917450.62	1.03E-02	1.00E+00			3.56E-06	1.08E-05	1.34E-01	8.70E-01	1.00E+00	2.06E-03
308938.97	3917450.62	1.07E-02	1.00E+00			3.69E-06	1.11E-05	1.38E-01	9.01E-01	1.04E+00	2.13E-03
308948.97	3917450.62	1.09E-02	1.00E+00			3.76E-06	1.13E-05	1.41E-01	9.18E-01	1.06E+00	2.17E-03
308758.97	3917460.62	8.01E-03	1.00E+00			2.77E-06	8.37E-06	1.04E-01	6.77E-01	7.81E-01	1.60E-03
308768.97	3917460.62	8.13E-03	1.00E+00			2.81E-06	8.50E-06	1.06E-01	6.87E-01	7.93E-01	1.63E-03
308778.97	3917460.62	8.25E-03	1.00E+00			2.86E-06	8.63E-06	1.07E-01	6.98E-01	8.05E-01	1.65E-03
308788.97	3917460.62	8.38E-03	1.00E+00			2.90E-06	8.76E-06	1.09E-01	7.08E-01	8.17E-01	1.68E-03
308798.97	3917460.62	8.51E-03	1.00E+00			2.94E-06	8.89E-06	1.10E-01	7.19E-01	8.30E-01	1.70E-03
308808.97	3917460.62	8.64E-03	1.00E+00			2.99E-06	9.03E-06	1.12E-01	7.30E-01	8.42E-01	1.73E-03
308818.97	3917460.62	8.77E-03	1.00E+00			3.04E-06	9.17E-06	1.14E-01	7.41E-01	8.55E-01	1.75E-03
308838.97	3917460.62	9.05E-03	1.00E+00			3.13E-06	9.46E-06	1.17E-01	7.65E-01	8.82E-01	1.81E-03
308848.97	3917460.62	9.19E-03	1.00E+00			3.18E-06	9.61E-06	1.19E-01	7.77E-01	8.96E-01	1.84E-03
308858.97	3917460.62	9.34E-03	1.00E+00			3.23E-06	9.76E-06	1.21E-01	7.90E-01	9.11E-01	1.87E-03
308868.97	3917460.62	9.49E-03	1.00E+00			3.29E-06	9.92E-06	1.23E-01	8.03E-01	9.26E-01	1.90E-03
308888.97	3917460.62	9.81E-03	1.00E+00			3.40E-06	1.03E-05	1.27E-01	8.30E-01	9.57E-01	1.96E-03
308898.97	3917460.62	9.98E-03	1.00E+00			3.46E-06	1.04E-05	1.30E-01	8.44E-01	9.74E-01	2.00E-03
308908.97	3917460.62	1.02E-02	1.00E+00			3.52E-06	1.06E-05	1.32E-01	8.59E-01	9.91E-01	2.03E-03
308918.97	3917460.62	1.03E-02	1.00E+00			3.58E-06	1.08E-05	1.34E-01	8.74E-01	1.01E+00	2.07E-03
308938.97	3917460.62	1.07E-02	1.00E+00			3.71E-06	1.12E-05	1.39E-01	9.06E-01	1.04E+00	2.14E-03
308948.97	3917460.62	1.09E-02	1.00E+00			3.77E-06	1.14E-05	1.42E-01	9.22E-01	1.06E+00	2.18E-03
308758.97	3917470.62	8.04E-03	1.00E+00			2.78E-06	8.40E-06	1.04E-01	6.80E-01	7.84E-01	1.61E-03
308768.97	3917470.62	8.16E-03	1.00E+00			2.82E-06	8.53E-06	1.06E-01	6.90E-01	7.96E-01	1.63E-03
308778.97	3917470.62	8.28E-03	1.00E+00			2.87E-06	8.65E-06	1.07E-01	7.00E-01	8.07E-01	1.66E-03
308788.97	3917470.62	8.40E-03	1.00E+00			2.91E-06	8.78E-06	1.09E-01	7.10E-01	8.20E-01	1.68E-03
308798.97	3917470.62	8.53E-03	1.00E+00			2.95E-06	8.92E-06	1.11E-01	7.21E-01	8.32E-01	1.71E-03
308808.97	3917470.62	8.66E-03	1.00E+00			3.00E-06	9.05E-06	1.12E-01	7.32E-01	8.45E-01	1.73E-03
308818.97	3917470.62	8.80E-03	1.00E+00			3.05E-06	9.19E-06	1.14E-01	7.44E-01	8.58E-01	1.76E-03
308838.97	3917470.62	9.08E-03	1.00E+00			3.14E-06	9.49E-06	1.18E-01	7.68E-01	8.86E-01	1.82E-03
308848.97	3917470.62	9.23E-03	1.00E+00			3.19E-06	9.64E-06	1.20E-01	7.80E-01	9.00E-01	1.85E-03
308858.97	3917470.62	9.38E-03	1.00E+00			3.25E-06	9.80E-06	1.22E-01	7.93E-01	9.15E-01	1.88E-03
308868.97	3917470.62	9.53E-03	1.00E+00			3.30E-06	9.96E-06	1.24E-01	8.06E-01	9.30E-01	1.91E-03

308888.97	3917470.62	9.85E-03	1.00E+00			3.41E-06	1.03E-05	1.28E-01	8.33E-01	9.61E-01	1.97E-03
308898.97	3917470.62	1.00E-02	1.00E+00			3.47E-06	1.05E-05	1.30E-01	8.47E-01	9.78E-01	2.00E-03
308908.97	3917470.62	1.02E-02	1.00E+00			3.53E-06	1.07E-05	1.32E-01	8.62E-01	9.95E-01	2.04E-03
308918.97	3917470.62	1.04E-02	1.00E+00			3.59E-06	1.08E-05	1.35E-01	8.77E-01	1.01E+00	2.08E-03
308938.97	3917470.62	1.08E-02	1.00E+00			3.72E-06	1.12E-05	1.40E-01	9.09E-01	1.05E+00	2.15E-03
308948.97	3917470.62	1.10E-02	1.00E+00			3.79E-06	1.15E-05	1.42E-01	9.26E-01	1.07E+00	2.19E-03
308758.97	3917480.62	8.06E-03	1.00E+00			2.79E-06	8.43E-06	1.05E-01	6.82E-01	7.86E-01	1.61E-03
308768.97	3917480.62	8.18E-03	1.00E+00			2.83E-06	8.55E-06	1.06E-01	6.92E-01	7.98E-01	1.64E-03
308778.97	3917480.62	8.31E-03	1.00E+00			2.88E-06	8.68E-06	1.08E-01	7.02E-01	8.10E-01	1.66E-03
308788.97	3917480.62	8.43E-03	1.00E+00			2.92E-06	8.81E-06	1.09E-01	7.13E-01	8.23E-01	1.69E-03
308798.97	3917480.62	8.56E-03	1.00E+00			2.96E-06	8.95E-06	1.11E-01	7.24E-01	8.35E-01	1.71E-03
308808.97	3917480.62	8.70E-03	1.00E+00			3.01E-06	9.09E-06	1.13E-01	7.35E-01	8.48E-01	1.74E-03
308818.97	3917480.62	8.83E-03	1.00E+00			3.06E-06	9.23E-06	1.15E-01	7.47E-01	8.61E-01	1.77E-03
308838.97	3917480.62	9.11E-03	1.00E+00			3.15E-06	9.52E-06	1.18E-01	7.70E-01	8.89E-01	1.82E-03
308848.97	3917480.62	9.26E-03	1.00E+00			3.21E-06	9.68E-06	1.20E-01	7.83E-01	9.03E-01	1.85E-03
308858.97	3917480.62	9.41E-03	1.00E+00			3.26E-06	9.84E-06	1.22E-01	7.96E-01	9.18E-01	1.88E-03
308868.97	3917480.62	9.57E-03	1.00E+00			3.31E-06	1.00E-05	1.24E-01	8.09E-01	9.33E-01	1.91E-03
308938.97	3917480.62	1.08E-02	1.00E+00			3.74E-06	1.13E-05	1.40E-01	9.13E-01	1.05E+00	2.16E-03
308948.97	3917480.62	1.10E-02	1.00E+00			3.81E-06	1.15E-05	1.43E-01	9.30E-01	1.07E+00	2.20E-03
308758.97	3917490.62	8.09E-03	1.00E+00			2.80E-06	8.46E-06	1.05E-01	6.84E-01	7.89E-01	1.62E-03
308768.97	3917490.62	8.21E-03	1.00E+00			2.84E-06	8.58E-06	1.07E-01	6.94E-01	8.01E-01	1.64E-03
308778.97	3917490.62	8.33E-03	1.00E+00			2.88E-06	8.71E-06	1.08E-01	7.05E-01	8.13E-01	1.67E-03
308788.97	3917490.62	8.46E-03	1.00E+00			2.93E-06	8.84E-06	1.10E-01	7.15E-01	8.25E-01	1.69E-03
308798.97	3917490.62	8.59E-03	1.00E+00			2.97E-06	8.98E-06	1.11E-01	7.26E-01	8.38E-01	1.72E-03
308808.97	3917490.62	8.72E-03	1.00E+00			3.02E-06	9.12E-06	1.13E-01	7.37E-01	8.51E-01	1.74E-03
308818.97	3917490.62	8.86E-03	1.00E+00			3.07E-06	9.26E-06	1.15E-01	7.49E-01	8.64E-01	1.77E-03
308838.97	3917490.62	9.15E-03	1.00E+00			3.17E-06	9.56E-06	1.19E-01	7.73E-01	8.92E-01	1.83E-03
308848.97	3917490.62	9.29E-03	1.00E+00			3.22E-06	9.71E-06	1.21E-01	7.86E-01	9.06E-01	1.86E-03
308858.97	3917490.62	9.45E-03	1.00E+00			3.27E-06	9.87E-06	1.23E-01	7.99E-01	9.21E-01	1.89E-03
308868.97	3917490.62	9.60E-03	1.00E+00			3.32E-06	1.00E-05	1.25E-01	8.12E-01	9.37E-01	1.92E-03
308878.97	3917490.62	9.76E-03	1.00E+00			3.38E-06	1.02E-05	1.27E-01	8.26E-01	9.52E-01	1.95E-03
308888.97	3917490.62	9.93E-03	1.00E+00			3.44E-06	1.04E-05	1.29E-01	8.40E-01	9.68E-01	1.99E-03
308898.97	3917490.62	1.01E-02	1.00E+00			3.50E-06	1.06E-05	1.31E-01	8.54E-01	9.85E-01	2.02E-03
308908.97	3917490.62	1.03E-02	1.00E+00			3.56E-06	1.07E-05	1.33E-01	8.69E-01	1.00E+00	2.06E-03
308918.97	3917490.62	1.05E-02	1.00E+00			3.62E-06	1.09E-05	1.36E-01	8.85E-01	1.02E+00	2.09E-03
308938.97	3917490.62	1.08E-02	1.00E+00			3.76E-06	1.13E-05	1.41E-01	9.17E-01	1.06E+00	2.17E-03
308948.97	3917490.62	1.10E-02	1.00E+00			3.82E-06	1.15E-05	1.43E-01	9.34E-01	1.08E+00	2.21E-03
308758.97	3917500.62	8.11E-03	1.00E+00			2.81E-06	8.48E-06	1.05E-01	6.86E-01	7.91E-01	1.62E-03
308768.97	3917500.62	8.24E-03	1.00E+00			2.85E-06	8.61E-06	1.07E-01	6.96E-01	8.03E-01	1.65E-03
308778.97	3917500.62	8.36E-03	1.00E+00			2.89E-06	8.74E-06	1.09E-01	7.07E-01	8.15E-01	1.67E-03
308788.97	3917500.62	8.49E-03	1.00E+00			2.94E-06	8.87E-06	1.10E-01	7.18E-01	8.28E-01	1.70E-03
308798.97	3917500.62	8.62E-03	1.00E+00			2.98E-06	9.01E-06	1.12E-01	7.29E-01	8.41E-01	1.72E-03
308808.97	3917500.62	8.75E-03	1.00E+00			3.03E-06	9.15E-06	1.14E-01	7.40E-01	8.54E-01	1.75E-03
308818.97	3917500.62	8.89E-03	1.00E+00			3.08E-06	9.29E-06	1.15E-01	7.52E-01	8.67E-01	1.78E-03
308838.97	3917500.62	9.18E-03	1.00E+00			3.18E-06	9.59E-06	1.19E-01	7.76E-01	8.95E-01	1.84E-03
308848.97	3917500.62	9.33E-03	1.00E+00			3.23E-06	9.75E-06	1.21E-01	7.89E-01	9.10E-01	1.87E-03
308858.97	3917500.62	9.48E-03	1.00E+00			3.28E-06	9.91E-06	1.23E-01	8.02E-01	9.25E-01	1.90E-03
308868.97	3917500.62	9.64E-03	1.00E+00			3.34E-06	1.01E-05	1.25E-01	8.15E-01	9.40E-01	1.93E-03
308878.97	3917500.62	9.80E-03	1.00E+00			3.39E-06	1.02E-05	1.27E-01	8.29E-01	9.56E-01	1.96E-03
308888.97	3917500.62	9.97E-03	1.00E+00			3.45E-06	1.04E-05	1.29E-01	8.43E-01	9.72E-01	1.99E-03
308898.97	3917500.62	1.01E-02	1.00E+00			3.51E-06	1.06E-05	1.32E-01	8.58E-01	9.89E-01	2.03E-03
308908.97	3917500.62	1.03E-02	1.00E+00			3.57E-06	1.08E-05	1.34E-01	8.73E-01	1.01E+00	2.06E-03
308918.97	3917500.62	1.05E-02	1.00E+00			3.64E-06	1.10E-05	1.36E-01	8.88E-01	1.02E+00	2.10E-03
308938.97	3917500.62	1.09E-02	1.00E+00			3.77E-06	1.14E-05	1.41E-01	9.21E-01	1.06E+00	2.18E-03
308948.97	3917500.62	1.11E-02	1.00E+00			3.84E-06	1.16E-05	1.44E-01	9.38E-01	1.08E+00	2.22E-03
308758.97	3917510.62	8.14E-03	1.00E+00			2.82E-06	8.51E-06	1.06E-01	6.88E-01	7.94E-01	1.63E-03
308768.97	3917510.62	8.26E-03	1.00E+00			2.86E-06	8.63E-06	1.07E-01	6.98E-01	8.06E-01	1.65E-03
308778.97	3917510.62	8.38E-03	1.00E+00			2.90E-06	8.76E-06	1.09E-01	7.09E-01	8.18E-01	1.68E-03
308788.97	3917510.62	8.51E-03	1.00E+00			2.95E-06	8.90E-06	1.10E-01	7.20E-01	8.30E-01	1.70E-03
308798.97	3917510.62	8.64E-03	1.00E+00			2.99E-06	9.03E-06	1.12E-01	7.31E-01	8.43E-01	1.73E-03
308808.97	3917510.62	8.78E-03	1.00E+00			3.04E-06	9.18E-06	1.14E-01	7.42E-01	8.56E-01	1.76E-03
308818.97	3917510.62	8.92E-03	1.00E+00			3.09E-06	9.32E-06	1.16E-01	7.54E-01	8.70E-01	1.78E-03
308838.97	3917510.62	9.21E-03	1.00E+00			3.19E-06	9.63E-06	1.20E-01	7.79E-01	8.98E-01	1.84E-03
308848.97	3917510.62	9.36E-03	1.00E+00			3.24E-06	9.78E-06	1.22E-01	7.91E-01	9.13E-01	1.87E-03
308858.97	3917510.62	9.52E-03	1.00E+00			3.29E-06	9.95E-06	1.24E-01	8.05E-01	9.28E-01	1.90E-03
308868.97	3917510.62	9.68E-03	1.00E+00			3.35E-06	1.01E-05	1.26E-01	8.18E-01	9.44E-01	1.94E-03
308878.97	3917510.62	9.84E-03	1.00E+00			3.41E-06	1.03E-05	1.28E-01	8.32E-01	9.60E-01	1.97E-03
308888.97	3917510.62	1.00E-02	1.00E+00			3.46E-06	1.05E-05	1.30E-01	8.46E-01	9.76E-01	2.00E-03
308898.97	3917510.62	1.02E-02	1.00E+00			3.53E-06	1.06E-05	1.32E-01	8.61E-01	9.93E-01	2.04E-03
308908.97	3917510.62	1.04E-02	1.00E+00			3.59E-06	1.08E-05	1.35E-01	8.76E-01	1.01E+00	2.07E-03
308918.97	3917510.62	1.05E-02	1.00E+00			3.65E-06	1.10E-05	1.37E-01	8.92E-01	1.03E+00	2.11E-03
308938.97	3917510.62	1.09E-02	1.00E+00			3.79E-06	1.14E-05	1.42E-01	9.25E-01	1.07E+00	2.19E-03

308948.97	3917510.62	1.11E-02	1.00E+00			3.86E-06	1.16E-05	1.45E-01	9.42E-01	1.09E+00	2.23E-03
308758.97	3917520.62	8.16E-03	1.00E+00			2.82E-06	8.53E-06	1.06E-01	6.90E-01	7.96E-01	1.63E-03
308768.97	3917520.62	8.28E-03	1.00E+00			2.87E-06	8.66E-06	1.08E-01	7.00E-01	8.08E-01	1.66E-03
308778.97	3917520.62	8.41E-03	1.00E+00			2.91E-06	8.79E-06	1.09E-01	7.11E-01	8.20E-01	1.68E-03
308788.97	3917520.62	8.54E-03	1.00E+00			2.96E-06	8.93E-06	1.11E-01	7.22E-01	8.33E-01	1.71E-03
308798.97	3917520.62	8.67E-03	1.00E+00			3.00E-06	9.06E-06	1.13E-01	7.33E-01	8.46E-01	1.73E-03
308808.97	3917520.62	8.81E-03	1.00E+00			3.05E-06	9.21E-06	1.14E-01	7.45E-01	8.59E-01	1.76E-03
308818.97	3917520.62	8.95E-03	1.00E+00			3.10E-06	9.35E-06	1.16E-01	7.57E-01	8.73E-01	1.79E-03
308838.97	3917520.62	9.24E-03	1.00E+00			3.20E-06	9.66E-06	1.20E-01	7.82E-01	9.02E-01	1.85E-03
308848.97	3917520.62	9.40E-03	1.00E+00			3.25E-06	9.82E-06	1.22E-01	7.94E-01	9.16E-01	1.88E-03
308858.97	3917520.62	9.55E-03	1.00E+00			3.31E-06	9.98E-06	1.24E-01	8.08E-01	9.32E-01	1.91E-03
308868.97	3917520.62	9.71E-03	1.00E+00			3.36E-06	1.02E-05	1.26E-01	8.21E-01	9.47E-01	1.94E-03
308878.97	3917520.62	9.88E-03	1.00E+00			3.42E-06	1.03E-05	1.28E-01	8.35E-01	9.63E-01	1.98E-03
308888.97	3917520.62	1.00E-02	1.00E+00			3.48E-06	1.05E-05	1.30E-01	8.49E-01	9.80E-01	2.01E-03
308898.97	3917520.62	1.02E-02	1.00E+00			3.54E-06	1.07E-05	1.33E-01	8.64E-01	9.97E-01	2.04E-03
308908.97	3917520.62	1.04E-02	1.00E+00			3.60E-06	1.09E-05	1.35E-01	8.79E-01	1.01E+00	2.08E-03
308918.97	3917520.62	1.06E-02	1.00E+00			3.67E-06	1.11E-05	1.37E-01	8.95E-01	1.03E+00	2.12E-03
308938.97	3917520.62	1.10E-02	1.00E+00			3.80E-06	1.15E-05	1.43E-01	9.28E-01	1.07E+00	2.20E-03
308948.97	3917520.62	1.12E-02	1.00E+00			3.87E-06	1.17E-05	1.45E-01	9.46E-01	1.09E+00	2.24E-03
308758.97	3917530.62	8.18E-03	1.00E+00			2.83E-06	8.55E-06	1.06E-01	6.92E-01	7.98E-01	1.64E-03
308768.97	3917530.62	8.30E-03	1.00E+00			2.87E-06	8.68E-06	1.08E-01	7.02E-01	8.10E-01	1.66E-03
308778.97	3917530.62	8.43E-03	1.00E+00			2.92E-06	8.81E-06	1.09E-01	7.13E-01	8.22E-01	1.69E-03
308788.97	3917530.62	8.57E-03	1.00E+00			2.96E-06	8.95E-06	1.11E-01	7.24E-01	8.35E-01	1.71E-03
308798.97	3917530.62	8.70E-03	1.00E+00			3.01E-06	9.09E-06	1.13E-01	7.36E-01	8.49E-01	1.74E-03
308808.97	3917530.62	8.84E-03	1.00E+00			3.06E-06	9.24E-06	1.15E-01	7.47E-01	8.62E-01	1.77E-03
308818.97	3917530.62	8.98E-03	1.00E+00			3.11E-06	9.39E-06	1.17E-01	7.59E-01	8.76E-01	1.80E-03
308838.97	3917530.62	9.27E-03	1.00E+00			3.21E-06	9.69E-06	1.20E-01	7.84E-01	9.05E-01	1.85E-03
308848.97	3917530.62	9.43E-03	1.00E+00			3.26E-06	9.85E-06	1.22E-01	7.97E-01	9.20E-01	1.89E-03
308858.97	3917530.62	9.59E-03	1.00E+00			3.32E-06	1.00E-05	1.24E-01	8.10E-01	9.35E-01	1.92E-03
308868.97	3917530.62	9.75E-03	1.00E+00			3.37E-06	1.02E-05	1.27E-01	8.24E-01	9.51E-01	1.95E-03
308878.97	3917530.62	9.91E-03	1.00E+00			3.43E-06	1.04E-05	1.29E-01	8.38E-01	9.67E-01	1.98E-03
308888.97	3917530.62	1.01E-02	1.00E+00			3.49E-06	1.05E-05	1.31E-01	8.53E-01	9.84E-01	2.02E-03
308898.97	3917530.62	1.03E-02	1.00E+00			3.55E-06	1.07E-05	1.33E-01	8.68E-01	1.00E+00	2.05E-03
308908.97	3917530.62	1.04E-02	1.00E+00			3.61E-06	1.09E-05	1.36E-01	8.83E-01	1.02E+00	2.09E-03
308918.97	3917530.62	1.06E-02	1.00E+00			3.68E-06	1.11E-05	1.38E-01	8.99E-01	1.04E+00	2.13E-03
308938.97	3917530.62	1.10E-02	1.00E+00			3.82E-06	1.15E-05	1.43E-01	9.32E-01	1.08E+00	2.20E-03
308948.97	3917530.62	1.12E-02	1.00E+00			3.89E-06	1.17E-05	1.46E-01	9.50E-01	1.10E+00	2.25E-03
308808.97	3917540.62	8.87E-03	1.00E+00			3.07E-06	9.27E-06	1.15E-01	7.50E-01	8.65E-01	1.77E-03
308818.97	3917540.62	9.01E-03	1.00E+00			3.12E-06	9.42E-06	1.17E-01	7.62E-01	8.79E-01	1.80E-03
308838.97	3917540.62	9.31E-03	1.00E+00			3.22E-06	9.73E-06	1.21E-01	7.87E-01	9.08E-01	1.86E-03
308848.97	3917540.62	9.46E-03	1.00E+00			3.28E-06	9.89E-06	1.23E-01	8.00E-01	9.23E-01	1.89E-03
308858.97	3917540.62	9.62E-03	1.00E+00			3.33E-06	1.01E-05	1.25E-01	8.13E-01	9.38E-01	1.92E-03
308868.97	3917540.62	9.78E-03	1.00E+00			3.39E-06	1.02E-05	1.27E-01	8.27E-01	9.54E-01	1.96E-03
308878.97	3917540.62	9.95E-03	1.00E+00			3.44E-06	1.04E-05	1.29E-01	8.41E-01	9.70E-01	1.99E-03
308888.97	3917540.62	1.01E-02	1.00E+00			3.50E-06	1.06E-05	1.31E-01	8.56E-01	9.87E-01	2.02E-03
308898.97	3917540.62	1.03E-02	1.00E+00			3.56E-06	1.08E-05	1.34E-01	8.71E-01	1.00E+00	2.06E-03
308908.97	3917540.62	1.05E-02	1.00E+00			3.63E-06	1.10E-05	1.36E-01	8.86E-01	1.02E+00	2.10E-03
308918.97	3917540.62	1.07E-02	1.00E+00			3.69E-06	1.12E-05	1.38E-01	9.02E-01	1.04E+00	2.13E-03
308938.97	3917540.62	1.11E-02	1.00E+00			3.83E-06	1.16E-05	1.44E-01	9.35E-01	1.08E+00	2.21E-03
308948.97	3917540.62	1.13E-02	1.00E+00			3.90E-06	1.18E-05	1.46E-01	9.53E-01	1.10E+00	2.25E-03
308808.97	3917550.62	8.90E-03	1.00E+00			3.08E-06	9.30E-06	1.16E-01	7.52E-01	8.68E-01	1.78E-03
308818.97	3917550.62	9.04E-03	1.00E+00			3.13E-06	9.45E-06	1.17E-01	7.65E-01	8.82E-01	1.81E-03
308838.97	3917550.62	9.34E-03	1.00E+00			3.23E-06	9.76E-06	1.21E-01	7.90E-01	9.11E-01	1.87E-03
308848.97	3917550.62	9.50E-03	1.00E+00			3.29E-06	9.93E-06	1.23E-01	8.03E-01	9.26E-01	1.90E-03
308858.97	3917550.62	9.66E-03	1.00E+00			3.34E-06	1.01E-05	1.25E-01	8.17E-01	9.42E-01	1.93E-03
308868.97	3917550.62	9.82E-03	1.00E+00			3.40E-06	1.03E-05	1.27E-01	8.30E-01	9.58E-01	1.96E-03
308878.97	3917550.62	9.99E-03	1.00E+00			3.46E-06	1.04E-05	1.30E-01	8.44E-01	9.74E-01	2.00E-03
308888.97	3917550.62	1.02E-02	1.00E+00			3.52E-06	1.06E-05	1.32E-01	8.59E-01	9.91E-01	2.03E-03
308898.97	3917550.62	1.03E-02	1.00E+00			3.58E-06	1.08E-05	1.34E-01	8.74E-01	1.01E+00	2.07E-03
308908.97	3917550.62	1.05E-02	1.00E+00			3.64E-06	1.10E-05	1.37E-01	8.89E-01	1.03E+00	2.10E-03
308918.97	3917550.62	1.07E-02	1.00E+00			3.71E-06	1.12E-05	1.39E-01	9.05E-01	1.04E+00	2.14E-03
308938.97	3917550.62	1.11E-02	1.00E+00			3.84E-06	1.16E-05	1.44E-01	9.39E-01	1.08E+00	2.22E-03
308948.97	3917550.62	1.13E-02	1.00E+00			3.92E-06	1.18E-05	1.47E-01	9.57E-01	1.10E+00	2.26E-03
308808.97	3917560.62	8.94E-03	1.00E+00			3.09E-06	9.34E-06	1.16E-01	7.55E-01	8.71E-01	1.79E-03
308818.97	3917560.62	9.08E-03	1.00E+00			3.14E-06	9.49E-06	1.18E-01	7.68E-01	8.86E-01	1.82E-03
308838.97	3917560.62	9.38E-03	1.00E+00			3.25E-06	9.81E-06	1.22E-01	7.93E-01	9.15E-01	1.88E-03
308848.97	3917560.62	9.54E-03	1.00E+00			3.30E-06	9.97E-06	1.24E-01	8.06E-01	9.30E-01	1.91E-03
308858.97	3917560.62	9.69E-03	1.00E+00			3.36E-06	1.01E-05	1.26E-01	8.20E-01	9.45E-01	1.94E-03
308868.97	3917560.62	9.86E-03	1.00E+00			3.41E-06	1.03E-05	1.28E-01	8.34E-01	9.62E-01	1.97E-03
308878.97	3917560.62	1.00E-02	1.00E+00			3.47E-06	1.05E-05	1.30E-01	8.48E-01	9.78E-01	2.01E-03
308938.97	3917560.62	1.11E-02	1.00E+00			3.86E-06	1.17E-05	1.45E-01	9.43E-01	1.09E+00	2.23E-03
308948.97	3917560.62	1.14E-02	1.00E+00			3.93E-06	1.19E-05	1.47E-01	9.60E-01	1.11E+00	2.27E-03

308808.97	3917570.62	8.98E-03	1.00E+00				3.11E-06	9.38E-06			1.17E-01	7.59E-01					8.76E-01	1.80E-03	
308818.97	3917570.62	9.12E-03	1.00E+00				3.16E-06	9.53E-06			1.18E-01	7.71E-01					8.90E-01	1.82E-03	
308838.97	3917570.62	9.43E-03	1.00E+00				3.26E-06	9.85E-06			1.22E-01	7.97E-01					9.19E-01	1.89E-03	
308848.97	3917570.62	9.58E-03	1.00E+00				3.32E-06	1.00E-05			1.24E-01	8.10E-01					9.35E-01	1.92E-03	
308858.97	3917570.62	9.74E-03	1.00E+00				3.37E-06	1.02E-05			1.26E-01	8.24E-01					9.50E-01	1.95E-03	
308868.97	3917570.62	9.91E-03	1.00E+00				3.43E-06	1.04E-05			1.29E-01	8.37E-01					9.66E-01	1.98E-03	
308878.97	3917570.62	1.01E-02	1.00E+00				3.49E-06	1.05E-05			1.31E-01	8.52E-01					9.82E-01	2.01E-03	
308938.97	3917570.62	1.12E-02	1.00E+00				3.86E-06	1.17E-05			1.45E-01	9.43E-01					1.09E+00	2.23E-03	
308948.97	3917570.62	1.14E-02	1.00E+00				3.93E-06	1.19E-05			1.47E-01	9.60E-01					1.11E+00	2.27E-03	
308868.97	3917580.62	9.90E-03	1.00E+00				3.43E-06	1.03E-05			1.29E-01	8.37E-01					9.66E-01	1.98E-03	
308878.97	3917580.62	1.01E-02	1.00E+00				3.48E-06	1.05E-05			1.30E-01	8.50E-01					9.80E-01	2.01E-03	
308880.66	3917999.48	7.19E-03	1.00E+00				2.49E-06	7.52E-06			9.34E-02	6.08E-01					7.02E-01	1.44E-03	
308899.6	3917993.17	7.36E-03	1.00E+00				2.55E-06	7.69E-06			9.56E-02	6.22E-01					7.18E-01	1.47E-03	
308916.74	3917994.97	7.44E-03	1.00E+00				2.57E-06	7.77E-06			9.65E-02	6.29E-01					7.25E-01	1.49E-03	
308930.26	3918002.19	7.42E-03	1.00E+00				2.57E-06	7.76E-06			9.64E-02	6.28E-01					7.24E-01	1.48E-03	
308942.89	3918005.79	7.45E-03	1.00E+00				2.58E-06	7.78E-06			9.67E-02	6.30E-01					7.26E-01	1.49E-03	
308962.73	3918009.4	7.50E-03	1.00E+00				2.60E-06	7.84E-06			9.74E-02	6.34E-01					7.32E-01	1.50E-03	
308978.07	3918012.11	7.55E-03	1.00E+00				2.61E-06	7.89E-06			9.80E-02	6.38E-01					7.36E-01	1.51E-03	
309000.61	3918017.52	7.59E-03	1.00E+00				2.63E-06	7.93E-06			9.85E-02	6.41E-01					7.40E-01	1.52E-03	
309058.33	3918014.81	7.88E-03	1.00E+00				2.73E-06	8.24E-06			1.02E-01	6.66E-01					7.69E-01	1.58E-03	
309088.1	3918016.62	7.98E-03	1.00E+00				2.76E-06	8.34E-06			1.04E-01	6.75E-01					7.78E-01	1.60E-03	
309139.5	3918013.91	8.22E-03	1.00E+00				2.84E-06	8.59E-06			1.07E-01	6.95E-01					8.01E-01	1.64E-03	
309199.93	3917986.85	8.94E-03	1.00E+00				3.10E-06	9.35E-06			1.16E-01	7.56E-01					8.72E-01	1.79E-03	
309254.04	3917983.25	9.21E-03	1.00E+00				3.19E-06	9.63E-06			1.20E-01	7.79E-01					8.98E-01	1.84E-03	
309291.92	3917983.25	9.32E-03	1.00E+00				3.23E-06	9.74E-06			1.21E-01	7.88E-01					9.09E-01	1.86E-03	
309336.12	3917988.66	9.27E-03	1.00E+00				3.21E-06	9.69E-06			1.20E-01	7.84E-01					9.05E-01	1.85E-03	
309363.17	3917989.56	9.27E-03	1.00E+00				3.21E-06	9.68E-06			1.20E-01	7.83E-01					9.04E-01	1.85E-03	
309426.81	3917993.1	9.07E-03	1.00E+00				3.14E-06	9.48E-06			1.18E-01	7.67E-01					8.85E-01	1.81E-03	
309454.3	3917999.38	8.77E-03	1.00E+00				3.03E-06	9.16E-06			1.14E-01	7.41E-01					8.55E-01	1.75E-03	
309511.26	3918008.32	8.11E-03	1.00E+00				2.81E-06	8.47E-06			1.05E-01	6.86E-01					7.91E-01	1.62E-03	
309539.51	3918027.62	7.34E-03	1.00E+00				2.54E-06	7.67E-06			9.52E-02	6.20E-01					7.16E-01	1.47E-03	
309131.94	3917360.12	1.50E-02	1.00E+00				5.18E-06	1.56E-05			1.94E-01	1.27E+00					1.46E+00	2.99E-03	
309109.35	3917304.34	1.37E-02	1.00E+00				4.74E-06	1.43E-05			1.78E-01	1.16E+00					1.34E+00	2.74E-03	

Year 2 Risks

Schedule and Duration

Activity Schedule Information							
Year	Start Date	End Date	Workday Duration		Construction Workdays	Annual Workdays	Annual Duration
Year 1	########	12/28/2026	8 Hours/Day		206	261	0.79
Year 2	1/4/2027	7/23/2027	8 Hours/Day		145	261	0.56
Year 3	1/0/1900	1/0/1900	8 Hours/Day			260	0.00
Year 4	1/0/1900	1/0/1900	8 Hours/Day			261	0.00
Year 5	1/0/1900	1/0/1900	8 Hours/Day			261	0.00
Year 6	1/0/1900	1/0/1900	8 Hours/Day			261	0.00
Year 7	1/0/1900	1/0/1900	8 Hours/Day			262	0.00
Year 8	1/0/1900	1/0/1900	8 Hours/Day			260	0.00
Year 9	1/0/1900	1/0/1900	8 Hours/Day			260	0.00
Year 10	1/0/1900	1/0/1900	8 Hours/Day			261	0.00
						Total	1.34

Assumptions:

Exposure Duration (ED) is derived by dividing project workdays by total annual workdays (260), assuming 5 workdays a week.

For Annual Workdays

Beginning	End
1/1/2026	12/31/2026
1/1/2027	12/31/2027
1/1/2028	12/31/2028
1/1/2029	12/31/2029
1/1/2030	12/31/2030
1/1/2031	12/31/2031
1/1/2032	12/31/2032
1/1/2033	12/31/2033
1/1/2034	12/31/2034
1/1/2035	12/31/2035

	OEHHA age bin	3rd Trimester	0 < 2 years	2 < 9 years	9<16 years	16<30 years
	exposure year(s)	2026	2026-2027	0	0	0
Dose Exposure Factors:	exposure frequency (days/year)	350	350	350	350	350
	inhalation rate (L/kg-day) [2]	361	1090	861	745	335
	inhalation absorption factor	1	1	1	1	1
	conversion factor (mg/µg; m^3/L)	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06
Risk Calculation Factors:	age sensitivity factor	10	10	3	3	1
	averaging time (years)	70	70	70	70	70
	per million	1.0E+06	1.0E+06	1.0E+06	1.0E+06	1.0E+06
	fraction of time at home	1	1	1	1	1

	exposure durations (year) [3]				
Construction Year	3rd Trimester	0 < 2 years	2 < 9 years	9 < 16 years	Total
Year 1	0.25	0.54			0.79
Year 2		0.56			0.56
Year 3		0.00	0.00		0.00
Year 4			0.00		0.00
Year 5			0.00		0.00
Year 6			0.00		0.00
Year 7			0.00		0.00
Year 8			0.00		0.00
Year 9			0.00		0.00
Year 10			0.00		0.00
	0.25	**1.09**	**0.00**	**0.00**	**1.34**

[1] Chronic Hazards for DPM using the chronic reference exposure level (REL) for the Respiratory Toxicological Endpoint.

[2] Inhalation rate taken as the 95th percentile breathing rates (OEHHA, 2015).

[3] Construction durations determined for each year to adjust receptor exposures to the exposure durations for each construction year (see App A - Construction Emissions).

Receptor		MEIR	Weight	Contaminant			Dose (by age bin)					Carcinogenic Risks (by age bin)					**Total Cancer Risk**	**Chronic Hazards [1]**	
X	Y	Conc. ($\mu g/m^3$) (b)	Fraction (c)	(d)	URF ($\mu g/m^3)^{-1}$ (e)	CPF $(mg/kg/day)^{-1}$ (f)	3rd Trimester (mg/kg-day) (g)	0 < 2 years (mg/kg-day) (h)	2 < 9 years (mg/kg-day) (i)	9<16 years (mg/kg-day) (j)	16<30 years (mg/kg-day) (k)	3rd Trimester per million (m)	0 < 2 years per million (n)	2 < 9 years per million (o)	9<16 years per million (p)	16<30 years per million (q)	per million (r)	Chronic REL ($\mu g/m^3$) (s)	RESP (t)
309008.97	3917020.62	1.72E-04	1.00E+00	DPM	3.0E-04	1.1E+00		1.79E-07					1.50E-02				1.50E-02	5.0E+00	3.43E-05
309018.97	3917020.62	1.75E-04	1.00E+00					1.83E-07					1.53E-02				1.53E-02		3.50E-05
309028.97	3917020.62	1.79E-04	1.00E+00					1.87E-07					1.56E-02				1.56E-02		3.58E-05
309038.97	3917020.62	1.83E-04	1.00E+00					1.91E-07					1.59E-02				1.59E-02		3.65E-05
309048.97	3917020.62	1.86E-04	1.00E+00					1.95E-07					1.62E-02				1.62E-02		3.73E-05
309058.97	3917020.62	1.90E-04	1.00E+00					1.99E-07					1.66E-02				1.66E-02		3.81E-05
309068.97	3917020.62	1.95E-04	1.00E+00					2.03E-07					1.70E-02				1.70E-02		3.89E-05
309078.97	3917020.62	1.99E-04	1.00E+00					2.08E-07					1.73E-02				1.73E-02		3.98E-05
309088.97	3917020.62	2.03E-04	1.00E+00					2.13E-07					1.77E-02				1.77E-02		4.07E-05
309098.97	3917020.62	2.08E-04	1.00E+00					2.18E-07					1.81E-02				1.81E-02		4.16E-05
309108.97	3917020.62	2.13E-04	1.00E+00					2.23E-07					1.85E-02				1.85E-02		4.26E-05
309118.97	3917020.62	2.18E-04	1.00E+00					2.28E-07					1.90E-02				1.90E-02		4.36E-05
309128.97	3917020.62	2.23E-04	1.00E+00					2.33E-07					1.94E-02				1.94E-02		4.46E-05
309008.97	3917030.62	1.76E-04	1.00E+00					1.84E-07					1.54E-02				1.54E-02		3.53E-05
309018.97	3917030.62	1.80E-04	1.00E+00					1.88E-07					1.57E-02				1.57E-02		3.60E-05
309028.97	3917030.62	1.84E-04	1.00E+00					1.92E-07					1.60E-02				1.60E-02		3.67E-05
309038.97	3917030.62	1.88E-04	1.00E+00					1.96E-07					1.63E-02				1.63E-02		3.75E-05
309048.97	3917030.62	1.92E-04	1.00E+00					2.00E-07					1.67E-02				1.67E-02		3.83E-05
309058.97	3917030.62	1.96E-04	1.00E+00					2.05E-07					1.71E-02				1.71E-02		3.92E-05
309068.97	3917030.62	2.00E-04	1.00E+00					2.09E-07					1.74E-02				1.74E-02		4.00E-05
309078.97	3917030.62	2.05E-04	1.00E+00					2.14E-07					1.78E-02				1.78E-02		4.09E-05
309088.97	3917030.62	2.09E-04	1.00E+00					2.19E-07					1.82E-02				1.82E-02		4.18E-05
309098.97	3917030.62	2.14E-04	1.00E+00					2.24E-07					1.86E-02				1.86E-02		4.28E-05
309108.97	3917030.62	2.19E-04	1.00E+00					2.29E-07					1.91E-02				1.91E-02		4.38E-05

309118.97	3917030.62	2.24E-04	1.00E+00				2.34E-07		1.95E-02	1.95E-02	4.48E-05
309128.97	3917030.62	2.30E-04	1.00E+00				2.40E-07		2.00E-02	2.00E-02	4.59E-05
309008.97	3917040.62	1.81E-04	1.00E+00				1.90E-07		1.58E-02	1.58E-02	3.63E-05
309018.97	3917040.62	1.85E-04	1.00E+00				1.94E-07		1.61E-02	1.61E-02	3.70E-05
309028.97	3917040.62	1.89E-04	1.00E+00				1.98E-07		1.65E-02	1.65E-02	3.78E-05
309038.97	3917040.62	1.93E-04	1.00E+00				2.02E-07		1.68E-02	1.68E-02	3.86E-05
309048.97	3917040.62	1.97E-04	1.00E+00				2.06E-07		1.72E-02	1.72E-02	3.94E-05
309058.97	3917040.62	2.02E-04	1.00E+00				2.11E-07		1.76E-02	1.76E-02	4.03E-05
309068.97	3917040.62	2.06E-04	1.00E+00				2.15E-07		1.79E-02	1.79E-02	4.12E-05
309078.97	3917040.62	2.11E-04	1.00E+00				2.20E-07		1.83E-02	1.83E-02	4.21E-05
309088.97	3917040.62	2.15E-04	1.00E+00				2.25E-07		1.88E-02	1.88E-02	4.31E-05
309098.97	3917040.62	2.20E-04	1.00E+00				2.30E-07		1.92E-02	1.92E-02	4.41E-05
309108.97	3917040.62	2.26E-04	1.00E+00				2.36E-07		1.97E-02	1.97E-02	4.51E-05
309118.97	3917040.62	2.31E-04	1.00E+00				2.41E-07		2.01E-02	2.01E-02	4.62E-05
309128.97	3917040.62	2.37E-04	1.00E+00				2.47E-07		2.06E-02	2.06E-02	4.73E-05
308938.97	3917060.62	1.68E-04	1.00E+00				1.76E-07		1.46E-02	1.46E-02	3.36E-05
308948.97	3917060.62	1.71E-04	1.00E+00				1.79E-07		1.49E-02	1.49E-02	3.43E-05
308958.97	3917060.62	1.75E-04	1.00E+00				1.83E-07		1.52E-02	1.52E-02	3.49E-05
308968.97	3917060.62	1.78E-04	1.00E+00				1.86E-07		1.55E-02	1.55E-02	3.56E-05
308978.97	3917060.62	1.82E-04	1.00E+00				1.90E-07		1.58E-02	1.58E-02	3.63E-05
308988.97	3917060.62	1.85E-04	1.00E+00				1.94E-07		1.61E-02	1.61E-02	3.71E-05
308998.97	3917060.62	1.89E-04	1.00E+00				1.98E-07		1.65E-02	1.65E-02	3.78E-05
309008.97	3917060.62	1.93E-04	1.00E+00				2.02E-07		1.68E-02	1.68E-02	3.86E-05
309018.97	3917060.62	1.97E-04	1.00E+00				2.06E-07		1.72E-02	1.72E-02	3.94E-05
309028.97	3917060.62	2.01E-04	1.00E+00				2.10E-07		1.75E-02	1.75E-02	4.03E-05
309038.97	3917060.62	2.06E-04	1.00E+00				2.15E-07		1.79E-02	1.79E-02	4.11E-05
309048.97	3917060.62	2.10E-04	1.00E+00				2.20E-07		1.83E-02	1.83E-02	4.20E-05
309058.97	3917060.62	2.15E-04	1.00E+00				2.24E-07		1.87E-02	1.87E-02	4.30E-05
309068.97	3917060.62	2.20E-04	1.00E+00				2.30E-07		1.91E-02	1.91E-02	4.39E-05
309078.97	3917060.62	2.25E-04	1.00E+00				2.35E-07		1.96E-02	1.96E-02	4.49E-05
309088.97	3917060.62	2.30E-04	1.00E+00				2.40E-07		2.00E-02	2.00E-02	4.60E-05
309098.97	3917060.62	2.35E-04	1.00E+00				2.46E-07		2.05E-02	2.05E-02	4.71E-05
309108.97	3917060.62	2.41E-04	1.00E+00				2.52E-07		2.10E-02	2.10E-02	4.82E-05
309118.97	3917060.62	2.47E-04	1.00E+00				2.58E-07		2.15E-02	2.15E-02	4.94E-05
309128.97	3917060.62	2.53E-04	1.00E+00				2.64E-07		2.20E-02	2.20E-02	5.06E-05
308938.97	3917070.62	1.74E-04	1.00E+00				1.81E-07		1.51E-02	1.51E-02	3.47E-05
308948.97	3917070.62	1.77E-04	1.00E+00				1.85E-07		1.54E-02	1.54E-02	3.54E-05
308958.97	3917070.62	1.80E-04	1.00E+00				1.89E-07		1.57E-02	1.57E-02	3.61E-05
308968.97	3917070.62	1.84E-04	1.00E+00				1.92E-07		1.60E-02	1.60E-02	3.68E-05
308978.97	3917070.62	1.88E-04	1.00E+00				1.96E-07		1.63E-02	1.63E-02	3.75E-05
308988.97	3917070.62	1.91E-04	1.00E+00				2.00E-07		1.67E-02	1.67E-02	3.83E-05
308998.97	3917070.62	1.95E-04	1.00E+00				2.04E-07		1.70E-02	1.70E-02	3.91E-05
309008.97	3917070.62	2.00E-04	1.00E+00				2.09E-07		1.74E-02	1.74E-02	3.99E-05
309018.97	3917070.62	2.04E-04	1.00E+00				2.13E-07		1.77E-02	1.77E-02	4.07E-05
309028.97	3917070.62	2.08E-04	1.00E+00				2.18E-07		1.81E-02	1.81E-02	4.16E-05
309038.97	3917070.62	2.13E-04	1.00E+00				2.22E-07		1.85E-02	1.85E-02	4.25E-05
309048.97	3917070.62	2.17E-04	1.00E+00				2.27E-07		1.89E-02	1.89E-02	4.35E-05
309058.97	3917070.62	2.22E-04	1.00E+00				2.32E-07		1.94E-02	1.94E-02	4.45E-05
309068.97	3917070.62	2.27E-04	1.00E+00				2.38E-07		1.98E-02	1.98E-02	4.55E-05
309078.97	3917070.62	2.33E-04	1.00E+00				2.43E-07		2.03E-02	2.03E-02	4.65E-05
309088.97	3917070.62	2.38E-04	1.00E+00				2.49E-07		2.07E-02	2.07E-02	4.76E-05
309098.97	3917070.62	2.44E-04	1.00E+00				2.55E-07		2.12E-02	2.12E-02	4.88E-05
309108.97	3917070.62	2.50E-04	1.00E+00				2.61E-07		2.17E-02	2.17E-02	4.99E-05
309118.97	3917070.62	2.56E-04	1.00E+00				2.67E-07		2.23E-02	2.23E-02	5.12E-05
309128.97	3917070.62	2.62E-04	1.00E+00				2.74E-07		2.28E-02	2.28E-02	5.25E-05
308938.97	3917080.62	1.79E-04	1.00E+00				1.87E-07		1.56E-02	1.56E-02	3.59E-05
308948.97	3917080.62	1.83E-04	1.00E+00				1.91E-07		1.59E-02	1.59E-02	3.66E-05
308958.97	3917080.62	1.86E-04	1.00E+00				1.95E-07		1.62E-02	1.62E-02	3.73E-05
308968.97	3917080.62	1.90E-04	1.00E+00				1.99E-07		1.66E-02	1.66E-02	3.80E-05
308978.97	3917080.62	1.94E-04	1.00E+00				2.03E-07		1.69E-02	1.69E-02	3.88E-05
308988.97	3917080.62	1.98E-04	1.00E+00				2.07E-07		1.72E-02	1.72E-02	3.96E-05
308998.97	3917080.62	2.02E-04	1.00E+00				2.11E-07		1.76E-02	1.76E-02	4.04E-05
309008.97	3917080.62	2.06E-04	1.00E+00				2.16E-07		1.80E-02	1.80E-02	4.13E-05
309018.97	3917080.62	2.11E-04	1.00E+00				2.20E-07		1.84E-02	1.84E-02	4.22E-05
309028.97	3917080.62	2.15E-04	1.00E+00				2.25E-07		1.88E-02	1.88E-02	4.31E-05
309038.97	3917080.62	2.20E-04	1.00E+00				2.30E-07		1.92E-02	1.92E-02	4.40E-05
309048.97	3917080.62	2.25E-04	1.00E+00				2.35E-07		1.96E-02	1.96E-02	4.50E-05
309058.97	3917080.62	2.30E-04	1.00E+00				2.41E-07		2.01E-02	2.01E-02	4.61E-05
309068.97	3917080.62	2.36E-04	1.00E+00				2.46E-07		2.05E-02	2.05E-02	4.71E-05
309078.97	3917080.62	2.41E-04	1.00E+00				2.52E-07		2.10E-02	2.10E-02	4.82E-05
309088.97	3917080.62	2.47E-04	1.00E+00				2.58E-07		2.15E-02	2.15E-02	4.94E-05
309098.97	3917080.62	2.53E-04	1.00E+00				2.64E-07		2.20E-02	2.20E-02	5.06E-05

309108.97	3917080.62	2.59E-04	1.00E+00				2.71E-07		2.26E-02	2.26E-02	5.18E-05
309118.97	3917080.62	2.66E-04	1.00E+00				2.78E-07		2.31E-02	2.31E-02	5.31E-05
309128.97	3917080.62	2.72E-04	1.00E+00				2.85E-07		2.37E-02	2.37E-02	5.45E-05
308938.97	3917090.62	1.85E-04	1.00E+00				1.94E-07		1.62E-02	1.62E-02	3.71E-05
308948.97	3917090.62	1.89E-04	1.00E+00				1.98E-07		1.65E-02	1.65E-02	3.78E-05
308958.97	3917090.62	1.93E-04	1.00E+00				2.02E-07		1.68E-02	1.68E-02	3.86E-05
308968.97	3917090.62	1.97E-04	1.00E+00				2.06E-07		1.71E-02	1.71E-02	3.94E-05
308978.97	3917090.62	2.01E-04	1.00E+00				2.10E-07		1.75E-02	1.75E-02	4.02E-05
308988.97	3917090.62	2.05E-04	1.00E+00				2.14E-07		1.79E-02	1.79E-02	4.10E-05
308998.97	3917090.62	2.09E-04	1.00E+00				2.19E-07		1.82E-02	1.82E-02	4.19E-05
309008.97	3917090.62	2.14E-04	1.00E+00				2.23E-07		1.86E-02	1.86E-02	4.28E-05
309018.97	3917090.62	2.18E-04	1.00E+00				2.28E-07		1.90E-02	1.90E-02	4.37E-05
309028.97	3917090.62	2.23E-04	1.00E+00				2.33E-07		1.95E-02	1.95E-02	4.47E-05
309038.97	3917090.62	2.28E-04	1.00E+00				2.39E-07		1.99E-02	1.99E-02	4.57E-05
309048.97	3917090.62	2.34E-04	1.00E+00				2.44E-07		2.03E-02	2.03E-02	4.67E-05
309058.97	3917090.62	2.39E-04	1.00E+00				2.50E-07		2.08E-02	2.08E-02	4.78E-05
309068.97	3917090.62	2.45E-04	1.00E+00				2.56E-07		2.13E-02	2.13E-02	4.89E-05
309078.97	3917090.62	2.50E-04	1.00E+00				2.62E-07		2.18E-02	2.18E-02	5.01E-05
309088.97	3917090.62	2.56E-04	1.00E+00				2.68E-07		2.23E-02	2.23E-02	5.13E-05
309098.97	3917090.62	2.63E-04	1.00E+00				2.75E-07		2.29E-02	2.29E-02	5.25E-05
309108.97	3917090.62	2.69E-04	1.00E+00				2.81E-07		2.35E-02	2.35E-02	5.39E-05
309118.97	3917090.62	2.76E-04	1.00E+00				2.89E-07		2.40E-02	2.40E-02	5.52E-05
309128.97	3917090.62	2.83E-04	1.00E+00				2.96E-07		2.47E-02	2.47E-02	5.66E-05
308888.97	3917100.62	1.74E-04	1.00E+00				1.82E-07		1.52E-02	1.52E-02	3.49E-05
308898.97	3917100.62	1.78E-04	1.00E+00				1.86E-07		1.55E-02	1.55E-02	3.55E-05
308908.97	3917100.62	1.81E-04	1.00E+00				1.89E-07		1.58E-02	1.58E-02	3.62E-05
308918.97	3917100.62	1.84E-04	1.00E+00				1.93E-07		1.61E-02	1.61E-02	3.69E-05
308938.97	3917100.62	1.92E-04	1.00E+00				2.00E-07		1.67E-02	1.67E-02	3.84E-05
308948.97	3917100.62	1.96E-04	1.00E+00				2.04E-07		1.70E-02	1.70E-02	3.91E-05
308958.97	3917100.62	2.00E-04	1.00E+00				2.09E-07		1.74E-02	1.74E-02	3.99E-05
308968.97	3917100.62	2.04E-04	1.00E+00				2.13E-07		1.77E-02	1.77E-02	4.07E-05
308978.97	3917100.62	2.08E-04	1.00E+00				2.17E-07		1.81E-02	1.81E-02	4.16E-05
308988.97	3917100.62	2.12E-04	1.00E+00				2.22E-07		1.85E-02	1.85E-02	4.25E-05
308998.97	3917100.62	2.17E-04	1.00E+00				2.27E-07		1.89E-02	1.89E-02	4.34E-05
309008.97	3917100.62	2.22E-04	1.00E+00				2.32E-07		1.93E-02	1.93E-02	4.43E-05
309018.97	3917100.62	2.27E-04	1.00E+00				2.37E-07		1.97E-02	1.97E-02	4.53E-05
309028.97	3917100.62	2.32E-04	1.00E+00				2.42E-07		2.02E-02	2.02E-02	4.63E-05
309038.97	3917100.62	2.37E-04	1.00E+00				2.48E-07		2.06E-02	2.06E-02	4.74E-05
309048.97	3917100.62	2.42E-04	1.00E+00				2.53E-07		2.11E-02	2.11E-02	4.85E-05
309058.97	3917100.62	2.48E-04	1.00E+00				2.59E-07		2.16E-02	2.16E-02	4.96E-05
309068.97	3917100.62	2.54E-04	1.00E+00				2.65E-07		2.21E-02	2.21E-02	5.08E-05
309078.97	3917100.62	2.60E-04	1.00E+00				2.72E-07		2.27E-02	2.27E-02	5.20E-05
309088.97	3917100.62	2.66E-04	1.00E+00				2.79E-07		2.32E-02	2.32E-02	5.33E-05
309098.97	3917100.62	2.73E-04	1.00E+00				2.85E-07		2.38E-02	2.38E-02	5.46E-05
309108.97	3917100.62	2.80E-04	1.00E+00				2.93E-07		2.44E-02	2.44E-02	5.60E-05
309118.97	3917100.62	2.87E-04	1.00E+00				3.00E-07		2.50E-02	2.50E-02	5.74E-05
309128.97	3917100.62	2.95E-04	1.00E+00				3.08E-07		2.57E-02	2.57E-02	5.89E-05
308888.97	3917110.62	1.80E-04	1.00E+00				1.88E-07		1.57E-02	1.57E-02	3.60E-05
308898.97	3917110.62	1.84E-04	1.00E+00				1.92E-07		1.60E-02	1.60E-02	3.67E-05
308908.97	3917110.62	1.87E-04	1.00E+00				1.96E-07		1.63E-02	1.63E-02	3.74E-05
308918.97	3917110.62	1.91E-04	1.00E+00				1.99E-07		1.66E-02	1.66E-02	3.82E-05
308938.97	3917110.62	1.98E-04	1.00E+00				2.07E-07		1.73E-02	1.73E-02	3.97E-05
308948.97	3917110.62	2.03E-04	1.00E+00				2.12E-07		1.76E-02	1.76E-02	4.05E-05
308958.97	3917110.62	2.07E-04	1.00E+00				2.16E-07		1.80E-02	1.80E-02	4.13E-05
308968.97	3917110.62	2.11E-04	1.00E+00				2.21E-07		1.84E-02	1.84E-02	4.22E-05
308978.97	3917110.62	2.15E-04	1.00E+00				2.25E-07		1.88E-02	1.88E-02	4.31E-05
308988.97	3917110.62	2.20E-04	1.00E+00				2.30E-07		1.92E-02	1.92E-02	4.40E-05
308998.97	3917110.62	2.25E-04	1.00E+00				2.35E-07		1.96E-02	1.96E-02	4.50E-05
309008.97	3917110.62	2.30E-04	1.00E+00				2.40E-07		2.00E-02	2.00E-02	4.60E-05
309018.97	3917110.62	2.35E-04	1.00E+00				2.46E-07		2.05E-02	2.05E-02	4.70E-05
309028.97	3917110.62	2.40E-04	1.00E+00				2.51E-07		2.09E-02	2.09E-02	4.81E-05
309038.97	3917110.62	2.46E-04	1.00E+00				2.57E-07		2.14E-02	2.14E-02	4.92E-05
309048.97	3917110.62	2.52E-04	1.00E+00				2.63E-07		2.19E-02	2.19E-02	5.03E-05
309058.97	3917110.62	2.58E-04	1.00E+00				2.69E-07		2.24E-02	2.24E-02	5.15E-05
309068.97	3917110.62	2.64E-04	1.00E+00				2.76E-07		2.30E-02	2.30E-02	5.28E-05
309078.97	3917110.62	2.70E-04	1.00E+00				2.83E-07		2.36E-02	2.36E-02	5.41E-05
309088.97	3917110.62	2.77E-04	1.00E+00				2.90E-07		2.41E-02	2.41E-02	5.54E-05
309098.97	3917110.62	2.84E-04	1.00E+00				2.97E-07		2.48E-02	2.48E-02	5.68E-05
309108.97	3917110.62	2.91E-04	1.00E+00				3.05E-07		2.54E-02	2.54E-02	5.83E-05
309118.97	3917110.62	2.99E-04	1.00E+00				3.13E-07		2.61E-02	2.61E-02	5.98E-05
309128.97	3917110.62	3.07E-04	1.00E+00				3.21E-07		2.67E-02	2.67E-02	6.14E-05
308888.97	3917120.62	1.86E-04	1.00E+00				1.95E-07		1.62E-02	1.62E-02	3.72E-05

308898.97	3917120.62	1.90E-04	1.00E+00				1.98E-07		1.65E-02		1.65E-02	3.79E-05
308908.97	3917120.62	1.93E-04	1.00E+00				2.02E-07		1.69E-02		1.69E-02	3.87E-05
308918.97	3917120.62	1.97E-04	1.00E+00				2.06E-07		1.72E-02		1.72E-02	3.95E-05
308938.97	3917120.62	2.05E-04	1.00E+00				2.15E-07		1.79E-02		1.79E-02	4.11E-05
308948.97	3917120.62	2.10E-04	1.00E+00				2.19E-07		1.83E-02		1.83E-02	4.19E-05
308958.97	3917120.62	2.14E-04	1.00E+00				2.24E-07		1.86E-02		1.86E-02	4.28E-05
308968.97	3917120.62	2.19E-04	1.00E+00				2.28E-07		1.90E-02		1.90E-02	4.37E-05
308978.97	3917120.62	2.23E-04	1.00E+00				2.33E-07		1.95E-02		1.95E-02	4.47E-05
308988.97	3917120.62	2.28E-04	1.00E+00				2.39E-07		1.99E-02		1.99E-02	4.56E-05
308998.97	3917120.62	2.33E-04	1.00E+00				2.44E-07		2.03E-02		2.03E-02	4.67E-05
309008.97	3917120.62	2.39E-04	1.00E+00				2.49E-07		2.08E-02		2.08E-02	4.77E-05
309018.97	3917120.62	2.44E-04	1.00E+00				2.55E-07		2.12E-02		2.12E-02	4.88E-05
309028.97	3917120.62	2.50E-04	1.00E+00				2.61E-07		2.17E-02		2.17E-02	4.99E-05
309038.97	3917120.62	2.55E-04	1.00E+00				2.67E-07		2.22E-02		2.22E-02	5.11E-05
309048.97	3917120.62	2.62E-04	1.00E+00				2.73E-07		2.28E-02		2.28E-02	5.23E-05
309058.97	3917120.62	2.68E-04	1.00E+00				2.80E-07		2.33E-02		2.33E-02	5.36E-05
309068.97	3917120.62	2.74E-04	1.00E+00				2.87E-07		2.39E-02		2.39E-02	5.49E-05
309078.97	3917120.62	2.81E-04	1.00E+00				2.94E-07		2.45E-02		2.45E-02	5.63E-05
309088.97	3917120.62	2.88E-04	1.00E+00				3.01E-07		2.51E-02		2.51E-02	5.77E-05
309098.97	3917120.62	2.96E-04	1.00E+00				3.09E-07		2.58E-02		2.58E-02	5.92E-05
309108.97	3917120.62	3.04E-04	1.00E+00				3.17E-07		2.64E-02		2.64E-02	6.07E-05
309118.97	3917120.62	3.12E-04	1.00E+00				3.26E-07		2.71E-02		2.71E-02	6.23E-05
309128.97	3917120.62	3.20E-04	1.00E+00				3.35E-07		2.79E-02		2.79E-02	6.40E-05
308838.97	3917150.62	1.86E-04	1.00E+00				1.95E-07		1.62E-02		1.62E-02	3.73E-05
308848.97	3917150.62	1.90E-04	1.00E+00				1.99E-07		1.66E-02		1.66E-02	3.80E-05
308858.97	3917150.62	1.94E-04	1.00E+00				2.02E-07		1.69E-02		1.69E-02	3.87E-05
308868.97	3917150.62	1.97E-04	1.00E+00				2.06E-07		1.72E-02		1.72E-02	3.95E-05
308878.97	3917150.62	2.01E-04	1.00E+00				2.10E-07		1.75E-02		1.75E-02	4.03E-05
308888.97	3917150.62	2.05E-04	1.00E+00				2.15E-07		1.79E-02		1.79E-02	4.11E-05
308898.97	3917150.62	2.10E-04	1.00E+00				2.19E-07		1.83E-02		1.83E-02	4.19E-05
308908.97	3917150.62	2.14E-04	1.00E+00				2.24E-07		1.86E-02		1.86E-02	4.28E-05
308918.97	3917150.62	2.18E-04	1.00E+00				2.28E-07		1.90E-02		1.90E-02	4.37E-05
308928.97	3917150.62	2.23E-04	1.00E+00				2.33E-07		1.94E-02		1.94E-02	4.46E-05
308938.97	3917150.62	2.28E-04	1.00E+00				2.38E-07		1.98E-02		1.98E-02	4.55E-05
308948.97	3917150.62	2.33E-04	1.00E+00				2.43E-07		2.03E-02		2.03E-02	4.65E-05
308958.97	3917150.62	2.38E-04	1.00E+00				2.48E-07		2.07E-02		2.07E-02	4.75E-05
308968.97	3917150.62	2.43E-04	1.00E+00				2.54E-07		2.12E-02		2.12E-02	4.86E-05
308978.97	3917150.62	2.48E-04	1.00E+00				2.60E-07		2.16E-02		2.16E-02	4.97E-05
308988.97	3917150.62	2.54E-04	1.00E+00				2.66E-07		2.21E-02		2.21E-02	5.08E-05
308998.97	3917150.62	2.60E-04	1.00E+00				2.72E-07		2.27E-02		2.27E-02	5.20E-05
309008.97	3917150.62	2.66E-04	1.00E+00				2.78E-07		2.32E-02		2.32E-02	5.32E-05
309018.97	3917150.62	2.73E-04	1.00E+00				2.85E-07		2.37E-02		2.37E-02	5.45E-05
309028.97	3917150.62	2.79E-04	1.00E+00				2.92E-07		2.43E-02		2.43E-02	5.58E-05
309038.97	3917150.62	2.86E-04	1.00E+00				2.99E-07		2.49E-02		2.49E-02	5.72E-05
309048.97	3917150.62	2.93E-04	1.00E+00				3.06E-07		2.55E-02		2.55E-02	5.86E-05
309058.97	3917150.62	3.01E-04	1.00E+00				3.14E-07		2.62E-02		2.62E-02	6.01E-05
309068.97	3917150.62	3.08E-04	1.00E+00				3.22E-07		2.69E-02		2.69E-02	6.17E-05
309078.97	3917150.62	3.16E-04	1.00E+00				3.31E-07		2.76E-02		2.76E-02	6.33E-05
309088.97	3917150.62	3.25E-04	1.00E+00				3.40E-07		2.83E-02		2.83E-02	6.50E-05
309098.97	3917150.62	3.34E-04	1.00E+00				3.49E-07		2.91E-02		2.91E-02	6.67E-05
309108.97	3917150.62	3.43E-04	1.00E+00				3.58E-07		2.99E-02		2.99E-02	6.86E-05
309118.97	3917150.62	3.52E-04	1.00E+00				3.68E-07		3.07E-02		3.07E-02	7.05E-05
309128.97	3917150.62	3.63E-04	1.00E+00				3.79E-07		3.16E-02		3.16E-02	7.25E-05
308838.97	3917160.62	1.92E-04	1.00E+00				2.01E-07		1.68E-02		1.68E-02	3.85E-05
308848.97	3917160.62	1.96E-04	1.00E+00				2.05E-07		1.71E-02		1.71E-02	3.92E-05
308858.97	3917160.62	2.00E-04	1.00E+00				2.09E-07		1.74E-02		1.74E-02	4.00E-05
308868.97	3917160.62	2.04E-04	1.00E+00				2.13E-07		1.78E-02		1.78E-02	4.08E-05
308878.97	3917160.62	2.08E-04	1.00E+00				2.17E-07		1.81E-02		1.81E-02	4.16E-05
308888.97	3917160.62	2.12E-04	1.00E+00				2.22E-07		1.85E-02		1.85E-02	4.24E-05
308898.97	3917160.62	2.16E-04	1.00E+00				2.26E-07		1.89E-02		1.89E-02	4.33E-05
308908.97	3917160.62	2.21E-04	1.00E+00				2.31E-07		1.93E-02		1.93E-02	4.42E-05
308918.97	3917160.62	2.26E-04	1.00E+00				2.36E-07		1.97E-02		1.97E-02	4.51E-05
308928.97	3917160.62	2.31E-04	1.00E+00				2.41E-07		2.01E-02		2.01E-02	4.61E-05
308938.97	3917160.62	2.36E-04	1.00E+00				2.46E-07		2.05E-02		2.05E-02	4.71E-05
308948.97	3917160.62	2.41E-04	1.00E+00				2.52E-07		2.10E-02		2.10E-02	4.81E-05
308958.97	3917160.62	2.46E-04	1.00E+00				2.57E-07		2.14E-02		2.14E-02	4.92E-05
308968.97	3917160.62	2.52E-04	1.00E+00				2.63E-07		2.19E-02		2.19E-02	5.03E-05
308978.97	3917160.62	2.57E-04	1.00E+00				2.69E-07		2.24E-02		2.24E-02	5.15E-05
308988.97	3917160.62	2.63E-04	1.00E+00				2.75E-07		2.29E-02		2.29E-02	5.27E-05
308998.97	3917160.62	2.70E-04	1.00E+00				2.82E-07		2.35E-02		2.35E-02	5.39E-05
309008.97	3917160.62	2.76E-04	1.00E+00				2.88E-07		2.40E-02		2.40E-02	5.52E-05
309018.97	3917160.62	2.83E-04	1.00E+00				2.95E-07		2.46E-02		2.46E-02	5.65E-05

309028.97	3917160.62	2.90E-04	1.00E+00				3.03E-07		2.52E-02		2.52E-02	5.79E-05
309038.97	3917160.62	2.97E-04	1.00E+00				3.10E-07		2.59E-02		2.59E-02	5.94E-05
309048.97	3917160.62	3.04E-04	1.00E+00				3.18E-07		2.65E-02		2.65E-02	6.09E-05
309058.97	3917160.62	3.12E-04	1.00E+00				3.26E-07		2.72E-02		2.72E-02	6.24E-05
309068.97	3917160.62	3.20E-04	1.00E+00				3.35E-07		2.79E-02		2.79E-02	6.41E-05
309078.97	3917160.62	3.29E-04	1.00E+00				3.44E-07		2.87E-02		2.87E-02	6.58E-05
309088.97	3917160.62	3.38E-04	1.00E+00				3.53E-07		2.94E-02		2.94E-02	6.76E-05
309098.97	3917160.62	3.47E-04	1.00E+00				3.63E-07		3.02E-02		3.02E-02	6.94E-05
309108.97	3917160.62	3.57E-04	1.00E+00				3.73E-07		3.11E-02		3.11E-02	7.14E-05
309118.97	3917160.62	3.67E-04	1.00E+00				3.84E-07		3.20E-02		3.20E-02	7.34E-05
309128.97	3917160.62	3.78E-04	1.00E+00				3.95E-07		3.29E-02		3.29E-02	7.55E-05
308838.97	3917170.62	1.98E-04	1.00E+00				2.07E-07		1.73E-02		1.73E-02	3.97E-05
308848.97	3917170.62	2.02E-04	1.00E+00				2.11E-07		1.76E-02		1.76E-02	4.04E-05
308858.97	3917170.62	2.06E-04	1.00E+00				2.15E-07		1.80E-02		1.80E-02	4.12E-05
308868.97	3917170.62	2.10E-04	1.00E+00				2.20E-07		1.83E-02		1.83E-02	4.21E-05
308878.97	3917170.62	2.15E-04	1.00E+00				2.24E-07		1.87E-02		1.87E-02	4.29E-05
308888.97	3917170.62	2.19E-04	1.00E+00				2.29E-07		1.91E-02		1.91E-02	4.38E-05
308898.97	3917170.62	2.24E-04	1.00E+00				2.34E-07		1.95E-02		1.95E-02	4.47E-05
308908.97	3917170.62	2.28E-04	1.00E+00				2.39E-07		1.99E-02		1.99E-02	4.57E-05
308918.97	3917170.62	2.33E-04	1.00E+00				2.44E-07		2.03E-02		2.03E-02	4.66E-05
308928.97	3917170.62	2.38E-04	1.00E+00				2.49E-07		2.07E-02		2.07E-02	4.76E-05
308938.97	3917170.62	2.43E-04	1.00E+00				2.54E-07		2.12E-02		2.12E-02	4.87E-05
308948.97	3917170.62	2.49E-04	1.00E+00				2.60E-07		2.17E-02		2.17E-02	4.98E-05
308958.97	3917170.62	2.54E-04	1.00E+00				2.66E-07		2.22E-02		2.22E-02	5.09E-05
308968.97	3917170.62	2.60E-04	1.00E+00				2.72E-07		2.27E-02		2.27E-02	5.21E-05
308978.97	3917170.62	2.66E-04	1.00E+00				2.78E-07		2.32E-02		2.32E-02	5.33E-05
308988.97	3917170.62	2.73E-04	1.00E+00				2.85E-07		2.37E-02		2.37E-02	5.45E-05
308998.97	3917170.62	2.79E-04	1.00E+00				2.92E-07		2.43E-02		2.43E-02	5.58E-05
309008.97	3917170.62	2.86E-04	1.00E+00				2.99E-07		2.49E-02		2.49E-02	5.72E-05
309018.97	3917170.62	2.93E-04	1.00E+00				3.06E-07		2.55E-02		2.55E-02	5.86E-05
309028.97	3917170.62	3.00E-04	1.00E+00				3.14E-07		2.62E-02		2.62E-02	6.01E-05
309038.97	3917170.62	3.08E-04	1.00E+00				3.22E-07		2.68E-02		2.68E-02	6.16E-05
309048.97	3917170.62	3.16E-04	1.00E+00				3.30E-07		2.75E-02		2.75E-02	6.32E-05
309058.97	3917170.62	3.24E-04	1.00E+00				3.39E-07		2.82E-02		2.82E-02	6.48E-05
309068.97	3917170.62	3.33E-04	1.00E+00				3.48E-07		2.90E-02		2.90E-02	6.65E-05
309078.97	3917170.62	3.42E-04	1.00E+00				3.57E-07		2.98E-02		2.98E-02	6.83E-05
309088.97	3917170.62	3.51E-04	1.00E+00				3.67E-07		3.06E-02		3.06E-02	7.02E-05
309098.97	3917170.62	3.61E-04	1.00E+00				3.77E-07		3.14E-02		3.14E-02	7.22E-05
309108.97	3917170.62	3.71E-04	1.00E+00				3.88E-07		3.23E-02		3.23E-02	7.42E-05
309118.97	3917170.62	3.82E-04	1.00E+00				3.99E-07		3.32E-02		3.32E-02	7.63E-05
309128.97	3917170.62	3.93E-04	1.00E+00				4.11E-07		3.42E-02		3.42E-02	7.86E-05
308838.97	3917180.62	2.04E-04	1.00E+00				2.14E-07		1.78E-02		1.78E-02	4.09E-05
308848.97	3917180.62	2.08E-04	1.00E+00				2.18E-07		1.82E-02		1.82E-02	4.17E-05
308858.97	3917180.62	2.13E-04	1.00E+00				2.22E-07		1.85E-02		1.85E-02	4.25E-05
308868.97	3917180.62	2.17E-04	1.00E+00				2.27E-07		1.89E-02		1.89E-02	4.34E-05
308878.97	3917180.62	2.21E-04	1.00E+00				2.31E-07		1.93E-02		1.93E-02	4.43E-05
308888.97	3917180.62	2.26E-04	1.00E+00				2.36E-07		1.97E-02		1.97E-02	4.52E-05
308898.97	3917180.62	2.31E-04	1.00E+00				2.41E-07		2.01E-02		2.01E-02	4.61E-05
308908.97	3917180.62	2.36E-04	1.00E+00				2.46E-07		2.05E-02		2.05E-02	4.71E-05
308918.97	3917180.62	2.41E-04	1.00E+00				2.52E-07		2.10E-02		2.10E-02	4.82E-05
308928.97	3917180.62	2.46E-04	1.00E+00				2.57E-07		2.14E-02		2.14E-02	4.92E-05
308938.97	3917180.62	2.52E-04	1.00E+00				2.63E-07		2.19E-02		2.19E-02	5.03E-05
308948.97	3917180.62	2.57E-04	1.00E+00				2.69E-07		2.24E-02		2.24E-02	5.14E-05
308958.97	3917180.62	2.63E-04	1.00E+00				2.75E-07		2.29E-02		2.29E-02	5.26E-05
308968.97	3917180.62	2.69E-04	1.00E+00				2.81E-07		2.34E-02		2.34E-02	5.38E-05
308978.97	3917180.62	2.75E-04	1.00E+00				2.88E-07		2.40E-02		2.40E-02	5.51E-05
308988.97	3917180.62	2.82E-04	1.00E+00				2.95E-07		2.46E-02		2.46E-02	5.64E-05
308998.97	3917180.62	2.89E-04	1.00E+00				3.02E-07		2.52E-02		2.52E-02	5.78E-05
309008.97	3917180.62	2.96E-04	1.00E+00				3.09E-07		2.58E-02		2.58E-02	5.92E-05
309018.97	3917180.62	3.03E-04	1.00E+00				3.17E-07		2.64E-02		2.64E-02	6.07E-05
309028.97	3917180.62	3.11E-04	1.00E+00				3.25E-07		2.71E-02		2.71E-02	6.22E-05
309038.97	3917180.62	3.19E-04	1.00E+00				3.33E-07		2.78E-02		2.78E-02	6.38E-05
309048.97	3917180.62	3.27E-04	1.00E+00				3.42E-07		2.85E-02		2.85E-02	6.55E-05
309058.97	3917180.62	3.36E-04	1.00E+00				3.51E-07		2.93E-02		2.93E-02	6.72E-05
309068.97	3917180.62	3.45E-04	1.00E+00				3.61E-07		3.01E-02		3.01E-02	6.90E-05
309078.97	3917180.62	3.55E-04	1.00E+00				3.71E-07		3.09E-02		3.09E-02	7.09E-05
309088.97	3917180.62	3.64E-04	1.00E+00				3.81E-07		3.17E-02		3.17E-02	7.29E-05
309098.97	3917180.62	3.75E-04	1.00E+00				3.92E-07		3.26E-02		3.26E-02	7.49E-05
309108.97	3917180.62	3.85E-04	1.00E+00				4.03E-07		3.36E-02		3.36E-02	7.71E-05
309118.97	3917180.62	3.97E-04	1.00E+00				4.15E-07		3.46E-02		3.46E-02	7.93E-05
309128.97	3917180.62	4.08E-04	1.00E+00				4.27E-07		3.56E-02		3.56E-02	8.17E-05
308758.97	3917300.62	2.35E-04	1.00E+00				2.45E-07		2.04E-02		2.04E-02	4.69E-05

308768.97	3917300.62	2.39E-04	1.00E+00				2.50E-07		2.08E-02		2.08E-02	4.79E-05
308778.97	3917300.62	2.44E-04	1.00E+00				2.55E-07		2.13E-02		2.13E-02	4.88E-05
308788.97	3917300.62	2.49E-04	1.00E+00				2.60E-07		2.17E-02		2.17E-02	4.98E-05
308798.97	3917300.62	2.54E-04	1.00E+00				2.66E-07		2.21E-02		2.21E-02	5.08E-05
308758.97	3917310.62	2.39E-04	1.00E+00				2.50E-07		2.08E-02		2.08E-02	4.78E-05
308768.97	3917310.62	2.44E-04	1.00E+00				2.55E-07		2.12E-02		2.12E-02	4.88E-05
308778.97	3917310.62	2.49E-04	1.00E+00				2.60E-07		2.17E-02		2.17E-02	4.98E-05
308788.97	3917310.62	2.54E-04	1.00E+00				2.65E-07		2.21E-02		2.21E-02	5.08E-05
308798.97	3917310.62	2.59E-04	1.00E+00				2.71E-07		2.26E-02		2.26E-02	5.18E-05
308758.97	3917320.62	2.44E-04	1.00E+00				2.55E-07		2.12E-02		2.12E-02	4.87E-05
308768.97	3917320.62	2.48E-04	1.00E+00				2.60E-07		2.16E-02		2.16E-02	4.97E-05
308778.97	3917320.62	2.53E-04	1.00E+00				2.65E-07		2.21E-02		2.21E-02	5.07E-05
308788.97	3917320.62	2.59E-04	1.00E+00				2.70E-07		2.25E-02		2.25E-02	5.17E-05
308798.97	3917320.62	2.64E-04	1.00E+00				2.76E-07		2.30E-02		2.30E-02	5.28E-05
308758.97	3917330.62	2.48E-04	1.00E+00				2.59E-07		2.16E-02		2.16E-02	4.96E-05
308768.97	3917330.62	2.53E-04	1.00E+00				2.64E-07		2.20E-02		2.20E-02	5.06E-05
308778.97	3917330.62	2.58E-04	1.00E+00				2.70E-07		2.25E-02		2.25E-02	5.16E-05
308788.97	3917330.62	2.63E-04	1.00E+00				2.75E-07		2.29E-02		2.29E-02	5.26E-05
308798.97	3917330.62	2.68E-04	1.00E+00				2.81E-07		2.34E-02		2.34E-02	5.37E-05
308758.97	3917340.62	2.52E-04	1.00E+00				2.64E-07		2.20E-02		2.20E-02	5.04E-05
308768.97	3917340.62	2.57E-04	1.00E+00				2.69E-07		2.24E-02		2.24E-02	5.14E-05
308778.97	3917340.62	2.62E-04	1.00E+00				2.74E-07		2.28E-02		2.28E-02	5.25E-05
308788.97	3917340.62	2.68E-04	1.00E+00				2.80E-07		2.33E-02		2.33E-02	5.35E-05
308798.97	3917340.62	2.73E-04	1.00E+00				2.85E-07		2.38E-02		2.38E-02	5.46E-05
308758.97	3917350.62	2.56E-04	1.00E+00				2.68E-07		2.23E-02		2.23E-02	5.12E-05
308768.97	3917350.62	2.61E-04	1.00E+00				2.73E-07		2.28E-02		2.28E-02	5.23E-05
308778.97	3917350.62	2.66E-04	1.00E+00				2.79E-07		2.32E-02		2.32E-02	5.33E-05
308788.97	3917350.62	2.72E-04	1.00E+00				2.84E-07		2.37E-02		2.37E-02	5.44E-05
308798.97	3917350.62	2.77E-04	1.00E+00				2.90E-07		2.42E-02		2.42E-02	5.55E-05
308758.97	3917360.62	2.60E-04	1.00E+00				2.72E-07		2.27E-02		2.27E-02	5.20E-05
308768.97	3917360.62	2.65E-04	1.00E+00				2.77E-07		2.31E-02		2.31E-02	5.30E-05
308778.97	3917360.62	2.70E-04	1.00E+00				2.83E-07		2.36E-02		2.36E-02	5.41E-05
308788.97	3917360.62	2.76E-04	1.00E+00				2.88E-07		2.40E-02		2.40E-02	5.52E-05
308798.97	3917360.62	2.82E-04	1.00E+00				2.94E-07		2.45E-02		2.45E-02	5.63E-05
308758.97	3917370.62	2.64E-04	1.00E+00				2.76E-07		2.30E-02		2.30E-02	5.28E-05
308768.97	3917370.62	2.69E-04	1.00E+00				2.81E-07		2.34E-02		2.34E-02	5.38E-05
308778.97	3917370.62	2.74E-04	1.00E+00				2.87E-07		2.39E-02		2.39E-02	5.49E-05
308788.97	3917370.62	2.80E-04	1.00E+00				2.93E-07		2.44E-02		2.44E-02	5.60E-05
308798.97	3917370.62	2.86E-04	1.00E+00				2.98E-07		2.49E-02		2.49E-02	5.71E-05
308808.97	3917370.62	2.91E-04	1.00E+00				3.05E-07		2.54E-02		2.54E-02	5.83E-05
308818.97	3917370.62	2.97E-04	1.00E+00				3.11E-07		2.59E-02		2.59E-02	5.95E-05
308828.97	3917370.62	3.04E-04	1.00E+00				3.17E-07		2.64E-02		2.64E-02	6.07E-05
308838.97	3917370.62	3.10E-04	1.00E+00				3.24E-07		2.70E-02		2.70E-02	6.20E-05
308848.97	3917370.62	3.17E-04	1.00E+00				3.31E-07		2.76E-02		2.76E-02	6.33E-05
308858.97	3917370.62	3.24E-04	1.00E+00				3.38E-07		2.82E-02		2.82E-02	6.47E-05
308868.97	3917370.62	3.31E-04	1.00E+00				3.46E-07		2.88E-02		2.88E-02	6.61E-05
308888.97	3917370.62	3.45E-04	1.00E+00				3.61E-07		3.01E-02		3.01E-02	6.91E-05
308898.97	3917370.62	3.53E-04	1.00E+00				3.69E-07		3.08E-02		3.08E-02	7.07E-05
308908.97	3917370.62	3.61E-04	1.00E+00				3.78E-07		3.15E-02		3.15E-02	7.23E-05
308918.97	3917370.62	3.70E-04	1.00E+00				3.86E-07		3.22E-02		3.22E-02	7.39E-05
308928.97	3917370.62	3.78E-04	1.00E+00				3.95E-07		3.29E-02		3.29E-02	7.57E-05
308938.97	3917370.62	3.87E-04	1.00E+00				4.05E-07		3.37E-02		3.37E-02	7.74E-05
308948.97	3917370.62	3.96E-04	1.00E+00				4.14E-07		3.45E-02		3.45E-02	7.93E-05
308758.97	3917380.62	2.67E-04	1.00E+00				2.80E-07		2.33E-02		2.33E-02	5.35E-05
308768.97	3917380.62	2.73E-04	1.00E+00				2.85E-07		2.38E-02		2.38E-02	5.45E-05
308778.97	3917380.62	2.78E-04	1.00E+00				2.91E-07		2.42E-02		2.42E-02	5.56E-05
308788.97	3917380.62	2.84E-04	1.00E+00				2.96E-07		2.47E-02		2.47E-02	5.67E-05
308798.97	3917380.62	2.89E-04	1.00E+00				3.02E-07		2.52E-02		2.52E-02	5.79E-05
308808.97	3917380.62	2.95E-04	1.00E+00				3.09E-07		2.57E-02		2.57E-02	5.91E-05
308818.97	3917380.62	3.01E-04	1.00E+00				3.15E-07		2.62E-02		2.62E-02	6.03E-05
308828.97	3917380.62	3.08E-04	1.00E+00				3.22E-07		2.68E-02		2.68E-02	6.15E-05
308838.97	3917380.62	3.14E-04	1.00E+00				3.28E-07		2.74E-02		2.74E-02	6.28E-05
308848.97	3917380.62	3.21E-04	1.00E+00				3.35E-07		2.79E-02		2.79E-02	6.42E-05
308858.97	3917380.62	3.28E-04	1.00E+00				3.43E-07		2.86E-02		2.86E-02	6.56E-05
308868.97	3917380.62	3.35E-04	1.00E+00				3.50E-07		2.92E-02		2.92E-02	6.70E-05
308888.97	3917380.62	3.50E-04	1.00E+00				3.66E-07		3.05E-02		3.05E-02	7.00E-05
308898.97	3917380.62	3.58E-04	1.00E+00				3.74E-07		3.12E-02		3.12E-02	7.16E-05
308908.97	3917380.62	3.66E-04	1.00E+00				3.82E-07		3.19E-02		3.19E-02	7.32E-05
308918.97	3917380.62	3.74E-04	1.00E+00				3.91E-07		3.26E-02		3.26E-02	7.49E-05
308928.97	3917380.62	3.83E-04	1.00E+00				4.00E-07		3.34E-02		3.34E-02	7.66E-05
308938.97	3917380.62	3.92E-04	1.00E+00				4.10E-07		3.41E-02		3.41E-02	7.84E-05
308948.97	3917380.62	4.01E-04	1.00E+00				4.19E-07		3.49E-02		3.49E-02	8.02E-05

308758.97	3917390.62	2.71E-04	1.00E+00				2.83E-07		2.36E-02	2.36E-02	5.42E-05
308768.97	3917390.62	2.76E-04	1.00E+00				2.89E-07		2.41E-02	2.41E-02	5.52E-05
308778.97	3917390.62	2.82E-04	1.00E+00				2.94E-07		2.45E-02	2.45E-02	5.63E-05
308788.97	3917390.62	2.87E-04	1.00E+00				3.00E-07		2.50E-02	2.50E-02	5.75E-05
308798.97	3917390.62	2.93E-04	1.00E+00				3.06E-07		2.55E-02	2.55E-02	5.86E-05
308808.97	3917390.62	2.99E-04	1.00E+00				3.13E-07		2.60E-02	2.60E-02	5.98E-05
308818.97	3917390.62	3.05E-04	1.00E+00				3.19E-07		2.66E-02	2.66E-02	6.10E-05
308828.97	3917390.62	3.11E-04	1.00E+00				3.26E-07		2.71E-02	2.71E-02	6.23E-05
308838.97	3917390.62	3.18E-04	1.00E+00				3.32E-07		2.77E-02	2.77E-02	6.36E-05
308848.97	3917390.62	3.25E-04	1.00E+00				3.40E-07		2.83E-02	2.83E-02	6.50E-05
308858.97	3917390.62	3.32E-04	1.00E+00				3.47E-07		2.89E-02	2.89E-02	6.64E-05
308868.97	3917390.62	3.39E-04	1.00E+00				3.54E-07		2.95E-02	2.95E-02	6.78E-05
308938.97	3917390.62	3.96E-04	1.00E+00				4.14E-07		3.45E-02	3.45E-02	7.93E-05
308948.97	3917390.62	4.06E-04	1.00E+00				4.24E-07		3.53E-02	3.53E-02	8.11E-05
308758.97	3917400.62	2.74E-04	1.00E+00				2.87E-07		2.39E-02	2.39E-02	5.48E-05
308768.97	3917400.62	2.80E-04	1.00E+00				2.92E-07		2.43E-02	2.43E-02	5.59E-05
308778.97	3917400.62	2.85E-04	1.00E+00				2.98E-07		2.48E-02	2.48E-02	5.70E-05
308788.97	3917400.62	2.91E-04	1.00E+00				3.04E-07		2.53E-02	2.53E-02	5.81E-05
308798.97	3917400.62	2.97E-04	1.00E+00				3.10E-07		2.58E-02	2.58E-02	5.93E-05
308808.97	3917400.62	3.03E-04	1.00E+00				3.16E-07		2.63E-02	2.63E-02	6.05E-05
308818.97	3917400.62	3.09E-04	1.00E+00				3.23E-07		2.69E-02	2.69E-02	6.17E-05
308838.97	3917400.62	3.22E-04	1.00E+00				3.36E-07		2.80E-02	2.80E-02	6.43E-05
308848.97	3917400.62	3.29E-04	1.00E+00				3.43E-07		2.86E-02	2.86E-02	6.57E-05
308858.97	3917400.62	3.36E-04	1.00E+00				3.51E-07		2.92E-02	2.92E-02	6.71E-05
308868.97	3917400.62	3.43E-04	1.00E+00				3.58E-07		2.99E-02	2.99E-02	6.86E-05
308888.97	3917400.62	3.58E-04	1.00E+00				3.74E-07		3.12E-02	3.12E-02	7.16E-05
308898.97	3917400.62	3.66E-04	1.00E+00				3.83E-07		3.19E-02	3.19E-02	7.32E-05
308908.97	3917400.62	3.74E-04	1.00E+00				3.91E-07		3.26E-02	3.26E-02	7.49E-05
308918.97	3917400.62	3.83E-04	1.00E+00				4.00E-07		3.33E-02	3.33E-02	7.66E-05
308938.97	3917400.62	4.01E-04	1.00E+00				4.19E-07		3.49E-02	3.49E-02	8.01E-05
308948.97	3917400.62	4.10E-04	1.00E+00				4.29E-07		3.57E-02	3.57E-02	8.20E-05
308758.97	3917410.62	2.77E-04	1.00E+00				2.90E-07		2.42E-02	2.42E-02	5.55E-05
308768.97	3917410.62	2.83E-04	1.00E+00				2.95E-07		2.46E-02	2.46E-02	5.65E-05
308778.97	3917410.62	2.88E-04	1.00E+00				3.01E-07		2.51E-02	2.51E-02	5.76E-05
308788.97	3917410.62	2.94E-04	1.00E+00				3.07E-07		2.56E-02	2.56E-02	5.88E-05
308798.97	3917410.62	3.00E-04	1.00E+00				3.13E-07		2.61E-02	2.61E-02	6.00E-05
308808.97	3917410.62	3.06E-04	1.00E+00				3.20E-07		2.66E-02	2.66E-02	6.12E-05
308818.97	3917410.62	3.12E-04	1.00E+00				3.26E-07		2.72E-02	2.72E-02	6.24E-05
308838.97	3917410.62	3.25E-04	1.00E+00				3.40E-07		2.83E-02	2.83E-02	6.50E-05
308848.97	3917410.62	3.32E-04	1.00E+00				3.47E-07		2.89E-02	2.89E-02	6.64E-05
308858.97	3917410.62	3.39E-04	1.00E+00				3.54E-07		2.95E-02	2.95E-02	6.78E-05
308868.97	3917410.62	3.46E-04	1.00E+00				3.62E-07		3.02E-02	3.02E-02	6.93E-05
308888.97	3917410.62	3.62E-04	1.00E+00				3.78E-07		3.15E-02	3.15E-02	7.24E-05
308898.97	3917410.62	3.70E-04	1.00E+00				3.87E-07		3.22E-02	3.22E-02	7.40E-05
308908.97	3917410.62	3.78E-04	1.00E+00				3.95E-07		3.29E-02	3.29E-02	7.56E-05
308918.97	3917410.62	3.87E-04	1.00E+00				4.04E-07		3.37E-02	3.37E-02	7.73E-05
308938.97	3917410.62	4.05E-04	1.00E+00				4.23E-07		3.52E-02	3.52E-02	8.09E-05
308948.97	3917410.62	4.14E-04	1.00E+00				4.33E-07		3.61E-02	3.61E-02	8.28E-05
308758.97	3917420.62	2.80E-04	1.00E+00				2.93E-07		2.44E-02	2.44E-02	5.61E-05
308768.97	3917420.62	2.86E-04	1.00E+00				2.99E-07		2.49E-02	2.49E-02	5.71E-05
308778.97	3917420.62	2.91E-04	1.00E+00				3.04E-07		2.54E-02	2.54E-02	5.83E-05
308788.97	3917420.62	2.97E-04	1.00E+00				3.10E-07		2.59E-02	2.59E-02	5.94E-05
308798.97	3917420.62	3.03E-04	1.00E+00				3.17E-07		2.64E-02	2.64E-02	6.06E-05
308808.97	3917420.62	3.09E-04	1.00E+00				3.23E-07		2.69E-02	2.69E-02	6.18E-05
308818.97	3917420.62	3.15E-04	1.00E+00				3.30E-07		2.75E-02	2.75E-02	6.31E-05
308838.97	3917420.62	3.28E-04	1.00E+00				3.43E-07		2.86E-02	2.86E-02	6.57E-05
308848.97	3917420.62	3.35E-04	1.00E+00				3.51E-07		2.92E-02	2.92E-02	6.71E-05
308858.97	3917420.62	3.42E-04	1.00E+00				3.58E-07		2.98E-02	2.98E-02	6.85E-05
308868.97	3917420.62	3.50E-04	1.00E+00				3.66E-07		3.05E-02	3.05E-02	7.00E-05
308888.97	3917420.62	3.65E-04	1.00E+00				3.82E-07		3.18E-02	3.18E-02	7.31E-05
308898.97	3917420.62	3.73E-04	1.00E+00				3.90E-07		3.25E-02	3.25E-02	7.47E-05
308908.97	3917420.62	3.82E-04	1.00E+00				3.99E-07		3.32E-02	3.32E-02	7.63E-05
308918.97	3917420.62	3.90E-04	1.00E+00				4.08E-07		3.40E-02	3.40E-02	7.81E-05
308938.97	3917420.62	4.08E-04	1.00E+00				4.27E-07		3.56E-02	3.56E-02	8.16E-05
308948.97	3917420.62	4.18E-04	1.00E+00				4.37E-07		3.64E-02	3.64E-02	8.35E-05
308758.97	3917430.62	2.83E-04	1.00E+00				2.96E-07		2.47E-02	2.47E-02	5.66E-05
308768.97	3917430.62	2.89E-04	1.00E+00				3.02E-07		2.51E-02	2.51E-02	5.77E-05
308778.97	3917430.62	2.94E-04	1.00E+00				3.07E-07		2.56E-02	2.56E-02	5.88E-05
308788.97	3917430.62	3.00E-04	1.00E+00				3.13E-07		2.61E-02	2.61E-02	6.00E-05
308798.97	3917430.62	3.06E-04	1.00E+00				3.20E-07		2.66E-02	2.66E-02	6.12E-05
308808.97	3917430.62	3.12E-04	1.00E+00				3.26E-07		2.72E-02	2.72E-02	6.24E-05
308818.97	3917430.62	3.18E-04	1.00E+00				3.33E-07		2.77E-02	2.77E-02	6.37E-05

308838.97	3917430.62	3.32E-04	1.00E+00				3.47E-07		2.89E-02	2.89E-02	6.63E-05
308848.97	3917430.62	3.39E-04	1.00E+00				3.54E-07		2.95E-02	2.95E-02	6.77E-05
308858.97	3917430.62	3.46E-04	1.00E+00				3.61E-07		3.01E-02	3.01E-02	6.91E-05
308868.97	3917430.62	3.53E-04	1.00E+00				3.69E-07		3.08E-02	3.08E-02	7.06E-05
308888.97	3917430.62	3.69E-04	1.00E+00				3.85E-07		3.21E-02	3.21E-02	7.37E-05
308898.97	3917430.62	3.77E-04	1.00E+00				3.94E-07		3.28E-02	3.28E-02	7.53E-05
308908.97	3917430.62	3.85E-04	1.00E+00				4.02E-07		3.35E-02	3.35E-02	7.70E-05
308918.97	3917430.62	3.94E-04	1.00E+00				4.11E-07		3.43E-02	3.43E-02	7.87E-05
308938.97	3917430.62	4.12E-04	1.00E+00				4.30E-07		3.59E-02	3.59E-02	8.23E-05
308948.97	3917430.62	4.21E-04	1.00E+00				4.40E-07		3.67E-02	3.67E-02	8.42E-05
308758.97	3917440.62	2.86E-04	1.00E+00				2.99E-07		2.49E-02	2.49E-02	5.71E-05
308768.97	3917440.62	2.91E-04	1.00E+00				3.04E-07		2.54E-02	2.54E-02	5.82E-05
308778.97	3917440.62	2.97E-04	1.00E+00				3.10E-07		2.59E-02	2.59E-02	5.94E-05
308788.97	3917440.62	3.03E-04	1.00E+00				3.16E-07		2.64E-02	2.64E-02	6.05E-05
308798.97	3917440.62	3.09E-04	1.00E+00				3.23E-07		2.69E-02	2.69E-02	6.17E-05
308808.97	3917440.62	3.15E-04	1.00E+00				3.29E-07		2.74E-02	2.74E-02	6.30E-05
308818.97	3917440.62	3.21E-04	1.00E+00				3.36E-07		2.80E-02	2.80E-02	6.42E-05
308838.97	3917440.62	3.35E-04	1.00E+00				3.50E-07		2.91E-02	2.91E-02	6.69E-05
308848.97	3917440.62	3.42E-04	1.00E+00				3.57E-07		2.97E-02	2.97E-02	6.83E-05
308858.97	3917440.62	3.49E-04	1.00E+00				3.64E-07		3.04E-02	3.04E-02	6.97E-05
308868.97	3917440.62	3.56E-04	1.00E+00				3.72E-07		3.10E-02	3.10E-02	7.12E-05
308888.97	3917440.62	3.72E-04	1.00E+00				3.88E-07		3.24E-02	3.24E-02	7.43E-05
308898.97	3917440.62	3.80E-04	1.00E+00				3.97E-07		3.31E-02	3.31E-02	7.60E-05
308908.97	3917440.62	3.88E-04	1.00E+00				4.06E-07		3.38E-02	3.38E-02	7.76E-05
308918.97	3917440.62	3.97E-04	1.00E+00				4.15E-07		3.46E-02	3.46E-02	7.94E-05
308938.97	3917440.62	4.15E-04	1.00E+00				4.34E-07		3.61E-02	3.61E-02	8.30E-05
308948.97	3917440.62	4.24E-04	1.00E+00				4.44E-07		3.70E-02	3.70E-02	8.49E-05
308758.97	3917450.62	2.88E-04	1.00E+00				3.01E-07		2.51E-02	2.51E-02	5.76E-05
308768.97	3917450.62	2.94E-04	1.00E+00				3.07E-07		2.56E-02	2.56E-02	5.87E-05
308778.97	3917450.62	2.99E-04	1.00E+00				3.13E-07		2.61E-02	2.61E-02	5.99E-05
308788.97	3917450.62	3.05E-04	1.00E+00				3.19E-07		2.66E-02	2.66E-02	6.10E-05
308798.97	3917450.62	3.11E-04	1.00E+00				3.25E-07		2.71E-02	2.71E-02	6.23E-05
308808.97	3917450.62	3.17E-04	1.00E+00				3.32E-07		2.77E-02	2.77E-02	6.35E-05
308818.97	3917450.62	3.24E-04	1.00E+00				3.39E-07		2.82E-02	2.82E-02	6.48E-05
308838.97	3917450.62	3.37E-04	1.00E+00				3.53E-07		2.94E-02	2.94E-02	6.75E-05
308848.97	3917450.62	3.44E-04	1.00E+00				3.60E-07		3.00E-02	3.00E-02	6.89E-05
308858.97	3917450.62	3.52E-04	1.00E+00				3.67E-07		3.06E-02	3.06E-02	7.03E-05
308868.97	3917450.62	3.59E-04	1.00E+00				3.75E-07		3.13E-02	3.13E-02	7.18E-05
308888.97	3917450.62	3.75E-04	1.00E+00				3.92E-07		3.26E-02	3.26E-02	7.49E-05
308898.97	3917450.62	3.83E-04	1.00E+00				4.00E-07		3.33E-02	3.33E-02	7.66E-05
308908.97	3917450.62	3.91E-04	1.00E+00				4.09E-07		3.41E-02	3.41E-02	7.83E-05
308918.97	3917450.62	4.00E-04	1.00E+00				4.18E-07		3.48E-02	3.48E-02	8.00E-05
308938.97	3917450.62	4.18E-04	1.00E+00				4.37E-07		3.64E-02	3.64E-02	8.36E-05
308948.97	3917450.62	4.27E-04	1.00E+00				4.47E-07		3.72E-02	3.72E-02	8.55E-05
308758.97	3917460.62	2.91E-04	1.00E+00				3.04E-07		2.53E-02	2.53E-02	5.81E-05
308768.97	3917460.62	2.96E-04	1.00E+00				3.09E-07		2.58E-02	2.58E-02	5.92E-05
308778.97	3917460.62	3.02E-04	1.00E+00				3.15E-07		2.63E-02	2.63E-02	6.04E-05
308788.97	3917460.62	3.08E-04	1.00E+00				3.22E-07		2.68E-02	2.68E-02	6.15E-05
308798.97	3917460.62	3.14E-04	1.00E+00				3.28E-07		2.73E-02	2.73E-02	6.27E-05
308808.97	3917460.62	3.20E-04	1.00E+00				3.34E-07		2.79E-02	2.79E-02	6.40E-05
308818.97	3917460.62	3.26E-04	1.00E+00				3.41E-07		2.84E-02	2.84E-02	6.53E-05
308838.97	3917460.62	3.40E-04	1.00E+00				3.55E-07		2.96E-02	2.96E-02	6.80E-05
308848.97	3917460.62	3.47E-04	1.00E+00				3.63E-07		3.02E-02	3.02E-02	6.94E-05
308858.97	3917460.62	3.54E-04	1.00E+00				3.70E-07		3.09E-02	3.09E-02	7.09E-05
308868.97	3917460.62	3.62E-04	1.00E+00				3.78E-07		3.15E-02	3.15E-02	7.24E-05
308888.97	3917460.62	3.78E-04	1.00E+00				3.95E-07		3.29E-02	3.29E-02	7.55E-05
308898.97	3917460.62	3.86E-04	1.00E+00				4.03E-07		3.36E-02	3.36E-02	7.71E-05
308908.97	3917460.62	3.94E-04	1.00E+00				4.12E-07		3.43E-02	3.43E-02	7.88E-05
308918.97	3917460.62	4.03E-04	1.00E+00				4.21E-07		3.51E-02	3.51E-02	8.06E-05
308938.97	3917460.62	4.21E-04	1.00E+00				4.40E-07		3.67E-02	3.67E-02	8.42E-05
308948.97	3917460.62	4.30E-04	1.00E+00				4.50E-07		3.75E-02	3.75E-02	8.61E-05
308758.97	3917470.62	2.93E-04	1.00E+00				3.06E-07		2.55E-02	2.55E-02	5.85E-05
308768.97	3917470.62	2.98E-04	1.00E+00				3.12E-07		2.60E-02	2.60E-02	5.97E-05
308778.97	3917470.62	3.04E-04	1.00E+00				3.18E-07		2.65E-02	2.65E-02	6.08E-05
308788.97	3917470.62	3.10E-04	1.00E+00				3.24E-07		2.70E-02	2.70E-02	6.20E-05
308798.97	3917470.62	3.16E-04	1.00E+00				3.30E-07		2.75E-02	2.75E-02	6.32E-05
308808.97	3917470.62	3.22E-04	1.00E+00				3.37E-07		2.81E-02	2.81E-02	6.45E-05
308818.97	3917470.62	3.29E-04	1.00E+00				3.44E-07		2.86E-02	2.86E-02	6.58E-05
308838.97	3917470.62	3.43E-04	1.00E+00				3.58E-07		2.98E-02	2.98E-02	6.85E-05
308848.97	3917470.62	3.50E-04	1.00E+00				3.66E-07		3.05E-02	3.05E-02	6.99E-05
308858.97	3917470.62	3.57E-04	1.00E+00				3.73E-07		3.11E-02	3.11E-02	7.14E-05
308868.97	3917470.62	3.65E-04	1.00E+00				3.81E-07		3.18E-02	3.18E-02	7.29E-05

308888.97	3917470.62	3.80E-04	1.00E+00				3.98E-07		3.31E-02	3.31E-02	7.61E-05
308898.97	3917470.62	3.89E-04	1.00E+00				4.06E-07		3.38E-02	3.38E-02	7.77E-05
308908.97	3917470.62	3.97E-04	1.00E+00				4.15E-07		3.46E-02	3.46E-02	7.94E-05
308918.97	3917470.62	4.06E-04	1.00E+00				4.24E-07		3.53E-02	3.53E-02	8.12E-05
308938.97	3917470.62	4.24E-04	1.00E+00				4.43E-07		3.69E-02	3.69E-02	8.48E-05
308948.97	3917470.62	4.33E-04	1.00E+00				4.53E-07		3.77E-02	3.77E-02	8.66E-05
308758.97	3917480.62	2.95E-04	1.00E+00				3.08E-07		2.57E-02	2.57E-02	5.90E-05
308768.97	3917480.62	3.00E-04	1.00E+00				3.14E-07		2.62E-02	2.62E-02	6.01E-05
308778.97	3917480.62	3.06E-04	1.00E+00				3.20E-07		2.67E-02	2.67E-02	6.12E-05
308788.97	3917480.62	3.12E-04	1.00E+00				3.26E-07		2.72E-02	2.72E-02	6.24E-05
308798.97	3917480.62	3.18E-04	1.00E+00				3.33E-07		2.77E-02	2.77E-02	6.37E-05
308808.97	3917480.62	3.25E-04	1.00E+00				3.39E-07		2.83E-02	2.83E-02	6.50E-05
308818.97	3917480.62	3.31E-04	1.00E+00				3.46E-07		2.89E-02	2.89E-02	6.63E-05
308838.97	3917480.62	3.45E-04	1.00E+00				3.61E-07		3.01E-02	3.01E-02	6.90E-05
308848.97	3917480.62	3.52E-04	1.00E+00				3.68E-07		3.07E-02	3.07E-02	7.05E-05
308858.97	3917480.62	3.60E-04	1.00E+00				3.76E-07		3.13E-02	3.13E-02	7.19E-05
308868.97	3917480.62	3.67E-04	1.00E+00				3.84E-07		3.20E-02	3.20E-02	7.35E-05
308938.97	3917480.62	4.27E-04	1.00E+00				4.46E-07		3.72E-02	3.72E-02	8.53E-05
308948.97	3917480.62	4.36E-04	1.00E+00				4.56E-07		3.80E-02	3.80E-02	8.72E-05
308758.97	3917490.62	2.97E-04	1.00E+00				3.10E-07		2.58E-02	2.58E-02	5.94E-05
308768.97	3917490.62	3.02E-04	1.00E+00				3.16E-07		2.63E-02	2.63E-02	6.05E-05
308778.97	3917490.62	3.08E-04	1.00E+00				3.22E-07		2.69E-02	2.69E-02	6.17E-05
308788.97	3917490.62	3.14E-04	1.00E+00				3.29E-07		2.74E-02	2.74E-02	6.29E-05
308798.97	3917490.62	3.21E-04	1.00E+00				3.35E-07		2.79E-02	2.79E-02	6.41E-05
308808.97	3917490.62	3.27E-04	1.00E+00				3.42E-07		2.85E-02	2.85E-02	6.54E-05
308818.97	3917490.62	3.34E-04	1.00E+00				3.49E-07		2.91E-02	2.91E-02	6.67E-05
308838.97	3917490.62	3.48E-04	1.00E+00				3.63E-07		3.03E-02	3.03E-02	6.95E-05
308848.97	3917490.62	3.55E-04	1.00E+00				3.71E-07		3.09E-02	3.09E-02	7.10E-05
308858.97	3917490.62	3.62E-04	1.00E+00				3.79E-07		3.16E-02	3.16E-02	7.25E-05
308868.97	3917490.62	3.70E-04	1.00E+00				3.87E-07		3.22E-02	3.22E-02	7.40E-05
308878.97	3917490.62	3.78E-04	1.00E+00				3.95E-07		3.29E-02	3.29E-02	7.56E-05
308888.97	3917490.62	3.86E-04	1.00E+00				4.03E-07		3.36E-02	3.36E-02	7.72E-05
308898.97	3917490.62	3.94E-04	1.00E+00				4.12E-07		3.43E-02	3.43E-02	7.89E-05
308908.97	3917490.62	4.03E-04	1.00E+00				4.21E-07		3.51E-02	3.51E-02	8.05E-05
308918.97	3917490.62	4.11E-04	1.00E+00				4.30E-07		3.58E-02	3.58E-02	8.23E-05
308938.97	3917490.62	4.29E-04	1.00E+00				4.49E-07		3.74E-02	3.74E-02	8.59E-05
308948.97	3917490.62	4.39E-04	1.00E+00				4.59E-07		3.82E-02	3.82E-02	8.78E-05
308758.97	3917500.62	2.99E-04	1.00E+00				3.12E-07		2.60E-02	2.60E-02	5.97E-05
308768.97	3917500.62	3.04E-04	1.00E+00				3.18E-07		2.65E-02	2.65E-02	6.09E-05
308778.97	3917500.62	3.10E-04	1.00E+00				3.24E-07		2.70E-02	2.70E-02	6.21E-05
308788.97	3917500.62	3.16E-04	1.00E+00				3.31E-07		2.76E-02	2.76E-02	6.33E-05
308798.97	3917500.62	3.23E-04	1.00E+00				3.37E-07		2.81E-02	2.81E-02	6.46E-05
308808.97	3917500.62	3.29E-04	1.00E+00				3.44E-07		2.87E-02	2.87E-02	6.59E-05
308818.97	3917500.62	3.36E-04	1.00E+00				3.51E-07		2.93E-02	2.93E-02	6.72E-05
308838.97	3917500.62	3.50E-04	1.00E+00				3.66E-07		3.05E-02	3.05E-02	7.01E-05
308848.97	3917500.62	3.58E-04	1.00E+00				3.74E-07		3.12E-02	3.12E-02	7.16E-05
308858.97	3917500.62	3.65E-04	1.00E+00				3.82E-07		3.18E-02	3.18E-02	7.31E-05
308868.97	3917500.62	3.73E-04	1.00E+00				3.90E-07		3.25E-02	3.25E-02	7.46E-05
308878.97	3917500.62	3.81E-04	1.00E+00				3.98E-07		3.32E-02	3.32E-02	7.62E-05
308888.97	3917500.62	3.89E-04	1.00E+00				4.07E-07		3.39E-02	3.39E-02	7.78E-05
308898.97	3917500.62	3.97E-04	1.00E+00				4.15E-07		3.46E-02	3.46E-02	7.95E-05
308908.97	3917500.62	4.06E-04	1.00E+00				4.24E-07		3.53E-02	3.53E-02	8.11E-05
308918.97	3917500.62	4.14E-04	1.00E+00				4.33E-07		3.61E-02	3.61E-02	8.29E-05
308938.97	3917500.62	4.32E-04	1.00E+00				4.52E-07		3.77E-02	3.77E-02	8.65E-05
308948.97	3917500.62	4.42E-04	1.00E+00				4.62E-07		3.85E-02	3.85E-02	8.83E-05
308758.97	3917510.62	3.00E-04	1.00E+00				3.14E-07		2.62E-02	2.62E-02	6.01E-05
308768.97	3917510.62	3.06E-04	1.00E+00				3.20E-07		2.67E-02	2.67E-02	6.13E-05
308778.97	3917510.62	3.12E-04	1.00E+00				3.26E-07		2.72E-02	2.72E-02	6.25E-05
308788.97	3917510.62	3.19E-04	1.00E+00				3.33E-07		2.77E-02	2.77E-02	6.37E-05
308798.97	3917510.62	3.25E-04	1.00E+00				3.40E-07		2.83E-02	2.83E-02	6.50E-05
308808.97	3917510.62	3.32E-04	1.00E+00				3.47E-07		2.89E-02	2.89E-02	6.64E-05
308818.97	3917510.62	3.39E-04	1.00E+00				3.54E-07		2.95E-02	2.95E-02	6.78E-05
308838.97	3917510.62	3.53E-04	1.00E+00				3.69E-07		3.08E-02	3.08E-02	7.07E-05
308848.97	3917510.62	3.61E-04	1.00E+00				3.77E-07		3.14E-02	3.14E-02	7.22E-05
308858.97	3917510.62	3.68E-04	1.00E+00				3.85E-07		3.21E-02	3.21E-02	7.37E-05
308868.97	3917510.62	3.76E-04	1.00E+00				3.93E-07		3.28E-02	3.28E-02	7.52E-05
308878.97	3917510.62	3.84E-04	1.00E+00				4.01E-07		3.35E-02	3.35E-02	7.68E-05
308888.97	3917510.62	3.92E-04	1.00E+00				4.10E-07		3.42E-02	3.42E-02	7.84E-05
308898.97	3917510.62	4.01E-04	1.00E+00				4.19E-07		3.49E-02	3.49E-02	8.01E-05
308908.97	3917510.62	4.09E-04	1.00E+00				4.27E-07		3.56E-02	3.56E-02	8.18E-05
308918.97	3917510.62	4.18E-04	1.00E+00				4.36E-07		3.64E-02	3.64E-02	8.35E-05
308938.97	3917510.62	4.36E-04	1.00E+00				4.55E-07		3.79E-02	3.79E-02	8.71E-05

308948.97	3917510.62	4.45E-04	1.00E+00				4.65E-07		3.87E-02		3.87E-02	8.90E-05
308758.97	3917520.62	3.02E-04	1.00E+00				3.16E-07		2.63E-02		2.63E-02	6.04E-05
308768.97	3917520.62	3.08E-04	1.00E+00				3.22E-07		2.68E-02		2.68E-02	6.16E-05
308778.97	3917520.62	3.14E-04	1.00E+00				3.29E-07		2.74E-02		2.74E-02	6.29E-05
308788.97	3917520.62	3.21E-04	1.00E+00				3.35E-07		2.80E-02		2.80E-02	6.42E-05
308798.97	3917520.62	3.28E-04	1.00E+00				3.42E-07		2.85E-02		2.85E-02	6.55E-05
308808.97	3917520.62	3.35E-04	1.00E+00				3.50E-07		2.91E-02		2.91E-02	6.69E-05
308818.97	3917520.62	3.42E-04	1.00E+00				3.57E-07		2.98E-02		2.98E-02	6.84E-05
308838.97	3917520.62	3.57E-04	1.00E+00				3.73E-07		3.11E-02		3.11E-02	7.13E-05
308848.97	3917520.62	3.64E-04	1.00E+00				3.81E-07		3.17E-02		3.17E-02	7.28E-05
308858.97	3917520.62	3.72E-04	1.00E+00				3.89E-07		3.24E-02		3.24E-02	7.44E-05
308868.97	3917520.62	3.80E-04	1.00E+00				3.97E-07		3.31E-02		3.31E-02	7.59E-05
308878.97	3917520.62	3.88E-04	1.00E+00				4.05E-07		3.38E-02		3.38E-02	7.75E-05
308888.97	3917520.62	3.96E-04	1.00E+00				4.14E-07		3.45E-02		3.45E-02	7.92E-05
308898.97	3917520.62	4.04E-04	1.00E+00				4.22E-07		3.52E-02		3.52E-02	8.08E-05
308908.97	3917520.62	4.13E-04	1.00E+00				4.31E-07		3.59E-02		3.59E-02	8.25E-05
308918.97	3917520.62	4.21E-04	1.00E+00				4.40E-07		3.67E-02		3.67E-02	8.42E-05
308938.97	3917520.62	4.39E-04	1.00E+00				4.59E-07		3.82E-02		3.82E-02	8.78E-05
308948.97	3917520.62	4.48E-04	1.00E+00				4.69E-07		3.91E-02		3.91E-02	8.97E-05
308758.97	3917530.62	3.04E-04	1.00E+00				3.18E-07		2.65E-02		2.65E-02	6.08E-05
308768.97	3917530.62	3.10E-04	1.00E+00				3.24E-07		2.70E-02		2.70E-02	6.20E-05
308778.97	3917530.62	3.17E-04	1.00E+00				3.31E-07		2.76E-02		2.76E-02	6.33E-05
308788.97	3917530.62	3.23E-04	1.00E+00				3.38E-07		2.82E-02		2.82E-02	6.47E-05
308798.97	3917530.62	3.31E-04	1.00E+00				3.45E-07		2.88E-02		2.88E-02	6.61E-05
308808.97	3917530.62	3.38E-04	1.00E+00				3.53E-07		2.94E-02		2.94E-02	6.76E-05
308818.97	3917530.62	3.45E-04	1.00E+00				3.61E-07		3.01E-02		3.01E-02	6.90E-05
308838.97	3917530.62	3.60E-04	1.00E+00				3.77E-07		3.14E-02		3.14E-02	7.21E-05
308848.97	3917530.62	3.68E-04	1.00E+00				3.85E-07		3.21E-02		3.21E-02	7.36E-05
308858.97	3917530.62	3.76E-04	1.00E+00				3.93E-07		3.27E-02		3.27E-02	7.52E-05
308868.97	3917530.62	3.84E-04	1.00E+00				4.01E-07		3.34E-02		3.34E-02	7.68E-05
308878.97	3917530.62	3.92E-04	1.00E+00				4.10E-07		3.41E-02		3.41E-02	7.84E-05
308888.97	3917530.62	4.00E-04	1.00E+00				4.18E-07		3.48E-02		3.48E-02	8.00E-05
308898.97	3917530.62	4.08E-04	1.00E+00				4.27E-07		3.56E-02		3.56E-02	8.16E-05
308908.97	3917530.62	4.17E-04	1.00E+00				4.36E-07		3.63E-02		3.63E-02	8.33E-05
308918.97	3917530.62	4.25E-04	1.00E+00				4.45E-07		3.70E-02		3.70E-02	8.51E-05
308938.97	3917530.62	4.43E-04	1.00E+00				4.63E-07		3.86E-02		3.86E-02	8.86E-05
308948.97	3917530.62	4.52E-04	1.00E+00				4.73E-07		3.94E-02		3.94E-02	9.05E-05
308808.97	3917540.62	3.42E-04	1.00E+00				3.57E-07		2.98E-02		2.98E-02	6.83E-05
308818.97	3917540.62	3.49E-04	1.00E+00				3.65E-07		3.04E-02		3.04E-02	6.99E-05
308838.97	3917540.62	3.65E-04	1.00E+00				3.82E-07		3.18E-02		3.18E-02	7.30E-05
308848.97	3917540.62	3.73E-04	1.00E+00				3.90E-07		3.25E-02		3.25E-02	7.46E-05
308858.97	3917540.62	3.81E-04	1.00E+00				3.98E-07		3.32E-02		3.32E-02	7.62E-05
308868.97	3917540.62	3.89E-04	1.00E+00				4.06E-07		3.39E-02		3.39E-02	7.77E-05
308878.97	3917540.62	3.97E-04	1.00E+00				4.15E-07		3.46E-02		3.46E-02	7.94E-05
308888.97	3917540.62	4.05E-04	1.00E+00				4.23E-07		3.53E-02		3.53E-02	8.10E-05
308898.97	3917540.62	4.13E-04	1.00E+00				4.32E-07		3.60E-02		3.60E-02	8.26E-05
308908.97	3917540.62	4.22E-04	1.00E+00				4.41E-07		3.67E-02		3.67E-02	8.43E-05
308918.97	3917540.62	4.30E-04	1.00E+00				4.50E-07		3.75E-02		3.75E-02	8.60E-05
308938.97	3917540.62	4.48E-04	1.00E+00				4.68E-07		3.90E-02		3.90E-02	8.96E-05
308948.97	3917540.62	4.57E-04	1.00E+00				4.78E-07		3.98E-02		3.98E-02	9.15E-05
308808.97	3917550.62	3.47E-04	1.00E+00				3.62E-07		3.02E-02		3.02E-02	6.94E-05
308818.97	3917550.62	3.55E-04	1.00E+00				3.71E-07		3.09E-02		3.09E-02	7.10E-05
308838.97	3917550.62	3.71E-04	1.00E+00				3.88E-07		3.23E-02		3.23E-02	7.42E-05
308848.97	3917550.62	3.79E-04	1.00E+00				3.96E-07		3.30E-02		3.30E-02	7.58E-05
308858.97	3917550.62	3.87E-04	1.00E+00				4.04E-07		3.37E-02		3.37E-02	7.74E-05
308868.97	3917550.62	3.95E-04	1.00E+00				4.13E-07		3.44E-02		3.44E-02	7.90E-05
308878.97	3917550.62	4.03E-04	1.00E+00				4.21E-07		3.51E-02		3.51E-02	8.06E-05
308888.97	3917550.62	4.11E-04	1.00E+00				4.30E-07		3.58E-02		3.58E-02	8.22E-05
308898.97	3917550.62	4.19E-04	1.00E+00				4.38E-07		3.65E-02		3.65E-02	8.39E-05
308908.97	3917550.62	4.28E-04	1.00E+00				4.47E-07		3.73E-02		3.73E-02	8.55E-05
308918.97	3917550.62	4.36E-04	1.00E+00				4.56E-07		3.80E-02		3.80E-02	8.73E-05
308938.97	3917550.62	4.54E-04	1.00E+00				4.75E-07		3.96E-02		3.96E-02	9.08E-05
308948.97	3917550.62	4.63E-04	1.00E+00				4.84E-07		4.04E-02		4.04E-02	9.27E-05
308808.97	3917560.62	3.54E-04	1.00E+00				3.70E-07		3.08E-02		3.08E-02	7.07E-05
308818.97	3917560.62	3.62E-04	1.00E+00				3.78E-07		3.15E-02		3.15E-02	7.24E-05
308838.97	3917560.62	3.78E-04	1.00E+00				3.95E-07		3.30E-02		3.30E-02	7.57E-05
308848.97	3917560.62	3.86E-04	1.00E+00				4.04E-07		3.37E-02		3.37E-02	7.73E-05
308858.97	3917560.62	3.95E-04	1.00E+00				4.12E-07		3.44E-02		3.44E-02	7.89E-05
308868.97	3917560.62	4.03E-04	1.00E+00				4.21E-07		3.51E-02		3.51E-02	8.05E-05
308878.97	3917560.62	4.11E-04	1.00E+00				4.29E-07		3.58E-02		3.58E-02	8.21E-05
308938.97	3917560.62	4.62E-04	1.00E+00				4.83E-07		4.02E-02		4.02E-02	9.24E-05
308948.97	3917560.62	4.71E-04	1.00E+00				4.92E-07		4.10E-02		4.10E-02	9.42E-05

308808.97	3917570.62	3.63E-04	1.00E+00				3.79E-07		3.16E-02		3.16E-02	7.26E-05
308818.97	3917570.62	3.72E-04	1.00E+00				3.89E-07		3.24E-02		3.24E-02	7.43E-05
308838.97	3917570.62	3.88E-04	1.00E+00				4.06E-07		3.38E-02		3.38E-02	7.77E-05
308848.97	3917570.62	3.97E-04	1.00E+00				4.14E-07		3.45E-02		3.45E-02	7.93E-05
308858.97	3917570.62	4.05E-04	1.00E+00				4.23E-07		3.52E-02		3.52E-02	8.09E-05
308868.97	3917570.62	4.13E-04	1.00E+00				4.31E-07		3.59E-02		3.59E-02	8.25E-05
308878.97	3917570.62	4.21E-04	1.00E+00				4.40E-07		3.67E-02		3.67E-02	8.42E-05
308938.97	3917570.62	4.61E-04	1.00E+00				4.81E-07		4.01E-02		4.01E-02	9.21E-05
308948.97	3917570.62	4.66E-04	1.00E+00				4.87E-07		4.06E-02		4.06E-02	9.32E-05
308868.97	3917580.62	4.09E-04	1.00E+00				4.27E-07		3.56E-02		3.56E-02	8.17E-05
308878.97	3917580.62	4.12E-04	1.00E+00				4.30E-07		3.59E-02		3.59E-02	8.23E-05
308880.66	3917999.48	3.29E-04	1.00E+00				3.44E-07		2.87E-02		2.87E-02	6.59E-05
308899.6	3917993.17	3.39E-04	1.00E+00				3.54E-07		2.95E-02		2.95E-02	6.77E-05
308916.74	3917994.97	3.46E-04	1.00E+00				3.61E-07		3.01E-02		3.01E-02	6.91E-05
308930.26	3918002.19	3.50E-04	1.00E+00				3.65E-07		3.05E-02		3.05E-02	6.99E-05
308942.89	3918005.79	3.54E-04	1.00E+00				3.70E-07		3.08E-02		3.08E-02	7.08E-05
308962.73	3918009.4	3.61E-04	1.00E+00				3.78E-07		3.15E-02		3.15E-02	7.23E-05
308978.07	3918012.11	3.67E-04	1.00E+00				3.84E-07		3.20E-02		3.20E-02	7.34E-05
309000.61	3918017.52	3.75E-04	1.00E+00				3.92E-07		3.26E-02		3.26E-02	7.50E-05
309058.33	3918014.81	4.00E-04	1.00E+00				4.18E-07		3.48E-02		3.48E-02	7.99E-05
309088.1	3918016.62	4.10E-04	1.00E+00				4.29E-07		3.58E-02		3.58E-02	8.21E-05
309139.5	3918013.91	4.31E-04	1.00E+00				4.50E-07		3.75E-02		3.75E-02	8.61E-05
309199.93	3917986.85	4.68E-04	1.00E+00				4.90E-07		4.08E-02		4.08E-02	9.37E-05
309254.04	3917983.25	4.86E-04	1.00E+00				5.08E-07		4.23E-02		4.23E-02	9.72E-05
309291.92	3917983.25	4.92E-04	1.00E+00				5.14E-07		4.29E-02		4.29E-02	9.84E-05
309336.12	3917988.66	4.89E-04	1.00E+00				5.11E-07		4.26E-02		4.26E-02	9.78E-05
309363.17	3917989.56	4.87E-04	1.00E+00				5.09E-07		4.24E-02		4.24E-02	9.73E-05
309426.81	3917993.1	4.71E-04	1.00E+00				4.92E-07		4.10E-02		4.10E-02	9.41E-05
309454.3	3917999.38	4.55E-04	1.00E+00				4.75E-07		3.96E-02		3.96E-02	9.09E-05
309511.26	3918008.32	4.22E-04	1.00E+00				4.41E-07		3.67E-02		3.67E-02	8.43E-05
309539.51	3918027.62	3.89E-04	1.00E+00				4.07E-07		3.39E-02		3.39E-02	7.78E-05
309131.94	3917360.12	6.37E-04	1.00E+00				6.65E-07		5.55E-02		5.55E-02	1.27E-04
309109.35	3917304.34	5.49E-04	1.00E+00				5.74E-07		4.78E-02		4.78E-02	1.10E-04

Risk Summary

MEIR	
309131.94	3917360.12

				MAX=	1.51487		**MAX=**	0.00312
				MIN=	0.00000		**MIN=**	0
Receptor		**Cancer Risk**			**Chronic Hazards**			
x	**y**	**Year 1**	**Year 2**	**Total**	**Year 1**	**Year 2**	**Total**
309008.97	3917020.62	8.05E-01	1.50E-02	**0.82031**	1.65E-03	3.43E-05	**0.00169**
309018.97	3917020.62	8.16E-01	1.53E-02	**0.83168**	1.67E-03	3.50E-05	**0.00171**
309028.97	3917020.62	8.28E-01	1.56E-02	**0.84333**	1.70E-03	3.58E-05	**0.00173**
309038.97	3917020.62	8.40E-01	1.59E-02	**0.85562**	1.72E-03	3.65E-05	**0.00176**
309048.97	3917020.62	8.52E-01	1.62E-02	**0.86837**	1.75E-03	3.73E-05	**0.00178**
309058.97	3917020.62	8.65E-01	1.66E-02	**0.88132**	1.77E-03	3.81E-05	**0.00181**
309068.97	3917020.62	8.77E-01	1.70E-02	**0.89432**	1.80E-03	3.89E-05	**0.00184**
309078.97	3917020.62	8.90E-01	1.73E-02	**0.90738**	1.83E-03	3.98E-05	**0.00186**
309088.97	3917020.62	9.03E-01	1.77E-02	**0.92102**	1.85E-03	4.07E-05	**0.00189**
309098.97	3917020.62	9.17E-01	1.81E-02	**0.93525**	1.88E-03	4.16E-05	**0.00192**
309108.97	3917020.62	9.31E-01	1.85E-02	**0.94992**	1.91E-03	4.26E-05	**0.00195**
309118.97	3917020.62	9.46E-01	1.90E-02	**0.96476**	1.94E-03	4.36E-05	**0.00198**
309128.97	3917020.62	9.60E-01	1.94E-02	**0.97982**	1.97E-03	4.46E-05	**0.00201**
309008.97	3917030.62	8.18E-01	1.54E-02	**0.83318**	1.68E-03	3.53E-05	**0.00171**
309018.97	3917030.62	8.30E-01	1.57E-02	**0.84522**	1.70E-03	3.60E-05	**0.00174**
309028.97	3917030.62	8.42E-01	1.60E-02	**0.85772**	1.73E-03	3.67E-05	**0.00176**
309038.97	3917030.62	8.54E-01	1.63E-02	**0.87041**	1.75E-03	3.75E-05	**0.00179**
309048.97	3917030.62	8.66E-01	1.67E-02	**0.88314**	1.78E-03	3.83E-05	**0.00182**
309058.97	3917030.62	8.79E-01	1.71E-02	**0.89605**	1.80E-03	3.92E-05	**0.00184**
309068.97	3917030.62	8.92E-01	1.74E-02	**0.90937**	1.83E-03	4.00E-05	**0.00187**
309078.97	3917030.62	9.05E-01	1.78E-02	**0.92322**	1.86E-03	4.09E-05	**0.00190**
309088.97	3917030.62	9.19E-01	1.82E-02	**0.93757**	1.89E-03	4.18E-05	**0.00193**
309098.97	3917030.62	9.34E-01	1.86E-02	**0.95223**	1.91E-03	4.28E-05	**0.00196**
309108.97	3917030.62	9.48E-01	1.91E-02	**0.96702**	1.94E-03	4.38E-05	**0.00199**
309118.97	3917030.62	9.63E-01	1.95E-02	**0.98232**	1.97E-03	4.48E-05	**0.00202**
309128.97	3917030.62	9.78E-01	2.00E-02	**0.99819**	2.01E-03	4.59E-05	**0.00205**
309008.97	3917040.62	8.31E-01	1.58E-02	**0.84659**	1.70E-03	3.63E-05	**0.00174**
309018.97	3917040.62	8.43E-01	1.61E-02	**0.85900**	1.73E-03	3.70E-05	**0.00177**
309028.97	3917040.62	8.55E-01	1.65E-02	**0.87163**	1.75E-03	3.78E-05	**0.00179**
309038.97	3917040.62	8.68E-01	1.68E-02	**0.88442**	1.78E-03	3.86E-05	**0.00182**
309048.97	3917040.62	8.80E-01	1.72E-02	**0.89752**	1.81E-03	3.94E-05	**0.00184**
309058.97	3917040.62	8.93E-01	1.76E-02	**0.91097**	1.83E-03	4.03E-05	**0.00187**
309068.97	3917040.62	9.07E-01	1.79E-02	**0.92499**	1.86E-03	4.12E-05	**0.00190**
309078.97	3917040.62	9.21E-01	1.83E-02	**0.93942**	1.89E-03	4.21E-05	**0.00193**
309088.97	3917040.62	9.35E-01	1.88E-02	**0.95402**	1.92E-03	4.31E-05	**0.00196**
309098.97	3917040.62	9.50E-01	1.92E-02	**0.96902**	1.95E-03	4.41E-05	**0.00199**
309108.97	3917040.62	9.65E-01	1.97E-02	**0.98456**	1.98E-03	4.51E-05	**0.00202**
309118.97	3917040.62	9.80E-01	2.01E-02	**1.00058**	2.01E-03	4.62E-05	**0.00206**
309128.97	3917040.62	9.96E-01	2.06E-02	**1.01700**	2.04E-03	4.73E-05	**0.00209**
308938.97	3917060.62	7.75E-01	1.46E-02	**0.78963**	1.59E-03	3.36E-05	**0.00162**
308948.97	3917060.62	7.86E-01	1.49E-02	**0.80075**	1.61E-03	3.43E-05	**0.00165**
308958.97	3917060.62	7.97E-01	1.52E-02	**0.81204**	1.63E-03	3.49E-05	**0.00167**
308968.97	3917060.62	8.08E-01	1.55E-02	**0.82366**	1.66E-03	3.56E-05	**0.00169**
308978.97	3917060.62	8.20E-01	1.58E-02	**0.83559**	1.68E-03	3.63E-05	**0.00172**
308988.97	3917060.62	8.32E-01	1.61E-02	**0.84782**	1.71E-03	3.71E-05	**0.00174**
308998.97	3917060.62	8.44E-01	1.65E-02	**0.86027**	1.73E-03	3.78E-05	**0.00177**
309008.97	3917060.62	8.56E-01	1.68E-02	**0.87290**	1.76E-03	3.86E-05	**0.00179**
309018.97	3917060.62	8.69E-01	1.72E-02	**0.88583**	1.78E-03	3.94E-05	**0.00182**
309028.97	3917060.62	8.82E-01	1.75E-02	**0.89920**	1.81E-03	4.03E-05	**0.00185**
309038.97	3917060.62	8.95E-01	1.79E-02	**0.91307**	1.84E-03	4.11E-05	**0.00188**
309048.97	3917060.62	9.09E-01	1.83E-02	**0.92740**	1.86E-03	4.20E-05	**0.00191**
309058.97	3917060.62	9.23E-01	1.87E-02	**0.94196**	1.89E-03	4.30E-05	**0.00194**
309068.97	3917060.62	9.38E-01	1.91E-02	**0.95673**	1.92E-03	4.39E-05	**0.00197**
309078.97	3917060.62	9.52E-01	1.96E-02	**0.97162**	1.95E-03	4.49E-05	**0.00200**
309088.97	3917060.62	9.67E-01	2.00E-02	**0.98698**	1.98E-03	4.60E-05	**0.00203**

309098.97	3917060.62	9.82E-01	2.05E-02	**1.00295**	2.01E-03	4.71E-05	**0.00206**
309108.97	3917060.62	9.99E-01	2.10E-02	**1.01966**	2.05E-03	4.82E-05	**0.00210**
309118.97	3917060.62	1.02E+00	2.15E-02	**1.03695**	2.08E-03	4.94E-05	**0.00213**
309128.97	3917060.62	1.03E+00	2.20E-02	**1.05452**	2.12E-03	5.06E-05	**0.00217**
308938.97	3917070.62	7.85E-01	1.51E-02	**0.80062**	1.61E-03	3.47E-05	**0.00165**
308948.97	3917070.62	7.97E-01	1.54E-02	**0.81214**	1.63E-03	3.54E-05	**0.00167**
308958.97	3917070.62	8.08E-01	1.57E-02	**0.82381**	1.66E-03	3.61E-05	**0.00169**
308968.97	3917070.62	8.20E-01	1.60E-02	**0.83570**	1.68E-03	3.68E-05	**0.00172**
308978.97	3917070.62	8.31E-01	1.63E-02	**0.84776**	1.70E-03	3.75E-05	**0.00174**
308988.97	3917070.62	8.43E-01	1.67E-02	**0.86010**	1.73E-03	3.83E-05	**0.00177**
308998.97	3917070.62	8.56E-01	1.70E-02	**0.87283**	1.75E-03	3.91E-05	**0.00179**
309008.97	3917070.62	8.69E-01	1.74E-02	**0.88596**	1.78E-03	3.99E-05	**0.00182**
309018.97	3917070.62	8.82E-01	1.77E-02	**0.89951**	1.81E-03	4.07E-05	**0.00185**
309028.97	3917070.62	8.95E-01	1.81E-02	**0.91351**	1.84E-03	4.16E-05	**0.00188**
309038.97	3917070.62	9.09E-01	1.85E-02	**0.92774**	1.86E-03	4.25E-05	**0.00191**
309048.97	3917070.62	9.23E-01	1.89E-02	**0.94217**	1.89E-03	4.35E-05	**0.00194**
309058.97	3917070.62	9.37E-01	1.94E-02	**0.95675**	1.92E-03	4.45E-05	**0.00197**
309068.97	3917070.62	9.52E-01	1.98E-02	**0.97188**	1.95E-03	4.55E-05	**0.00200**
309078.97	3917070.62	9.67E-01	2.03E-02	**0.98753**	1.98E-03	4.65E-05	**0.00203**
309088.97	3917070.62	9.83E-01	2.07E-02	**1.00388**	2.02E-03	4.76E-05	**0.00206**
309098.97	3917070.62	9.99E-01	2.12E-02	**1.02070**	2.05E-03	4.88E-05	**0.00210**
309108.97	3917070.62	1.02E+00	2.17E-02	**1.03792**	2.08E-03	4.99E-05	**0.00213**
309118.97	3917070.62	1.03E+00	2.23E-02	**1.05549**	2.12E-03	5.12E-05	**0.00217**
309128.97	3917070.62	1.05E+00	2.28E-02	**1.07353**	2.15E-03	5.25E-05	**0.00221**
308938.97	3917080.62	7.96E-01	1.56E-02	**0.81198**	1.63E-03	3.59E-05	**0.00167**
308948.97	3917080.62	8.08E-01	1.59E-02	**0.82370**	1.66E-03	3.66E-05	**0.00169**
308958.97	3917080.62	8.19E-01	1.62E-02	**0.83546**	1.68E-03	3.73E-05	**0.00172**
308968.97	3917080.62	8.31E-01	1.66E-02	**0.84747**	1.70E-03	3.80E-05	**0.00174**
308978.97	3917080.62	8.43E-01	1.69E-02	**0.85981**	1.73E-03	3.88E-05	**0.00177**
308988.97	3917080.62	8.55E-01	1.72E-02	**0.87261**	1.75E-03	3.96E-05	**0.00179**
308998.97	3917080.62	8.68E-01	1.76E-02	**0.88595**	1.78E-03	4.04E-05	**0.00182**
309008.97	3917080.62	8.82E-01	1.80E-02	**0.89954**	1.81E-03	4.13E-05	**0.00185**
309018.97	3917080.62	8.95E-01	1.84E-02	**0.91337**	1.84E-03	4.22E-05	**0.00188**
309028.97	3917080.62	9.09E-01	1.88E-02	**0.92727**	1.86E-03	4.31E-05	**0.00191**
309038.97	3917080.62	9.22E-01	1.92E-02	**0.94154**	1.89E-03	4.40E-05	**0.00194**
309048.97	3917080.62	9.37E-01	1.96E-02	**0.95642**	1.92E-03	4.50E-05	**0.00197**
309058.97	3917080.62	9.52E-01	2.01E-02	**0.97191**	1.95E-03	4.61E-05	**0.00200**
309068.97	3917080.62	9.68E-01	2.05E-02	**0.98817**	1.98E-03	4.71E-05	**0.00203**
309078.97	3917080.62	9.84E-01	2.10E-02	**1.00456**	2.02E-03	4.82E-05	**0.00207**
309088.97	3917080.62	1.00E+00	2.15E-02	**1.02127**	2.05E-03	4.94E-05	**0.00210**
309098.97	3917080.62	1.02E+00	2.20E-02	**1.03819**	2.08E-03	5.06E-05	**0.00213**
309108.97	3917080.62	1.03E+00	2.26E-02	**1.05556**	2.12E-03	5.18E-05	**0.00217**
309118.97	3917080.62	1.05E+00	2.31E-02	**1.07352**	2.15E-03	5.31E-05	**0.00221**
309128.97	3917080.62	1.07E+00	2.37E-02	**1.09214**	2.19E-03	5.45E-05	**0.00225**
308938.97	3917090.62	8.06E-01	1.62E-02	**0.82260**	1.65E-03	3.71E-05	**0.00169**
308948.97	3917090.62	8.18E-01	1.65E-02	**0.83450**	1.68E-03	3.78E-05	**0.00172**
308958.97	3917090.62	8.30E-01	1.68E-02	**0.84668**	1.70E-03	3.86E-05	**0.00174**
308968.97	3917090.62	8.42E-01	1.71E-02	**0.85926**	1.73E-03	3.94E-05	**0.00177**
308978.97	3917090.62	8.55E-01	1.75E-02	**0.87210**	1.75E-03	4.02E-05	**0.00179**
308988.97	3917090.62	8.67E-01	1.79E-02	**0.88526**	1.78E-03	4.10E-05	**0.00182**
308998.97	3917090.62	8.80E-01	1.82E-02	**0.89873**	1.81E-03	4.19E-05	**0.00185**
309008.97	3917090.62	8.94E-01	1.86E-02	**0.91242**	1.83E-03	4.28E-05	**0.00188**
309018.97	3917090.62	9.07E-01	1.90E-02	**0.92646**	1.86E-03	4.37E-05	**0.00190**
309028.97	3917090.62	9.22E-01	1.95E-02	**0.94098**	1.89E-03	4.47E-05	**0.00193**
309038.97	3917090.62	9.36E-01	1.99E-02	**0.95605**	1.92E-03	4.57E-05	**0.00197**
309048.97	3917090.62	9.51E-01	2.03E-02	**0.97183**	1.95E-03	4.67E-05	**0.00200**
309058.97	3917090.62	9.67E-01	2.08E-02	**0.98787**	1.98E-03	4.78E-05	**0.00203**
309068.97	3917090.62	9.83E-01	2.13E-02	**1.00427**	2.02E-03	4.89E-05	**0.00206**
309078.97	3917090.62	9.99E-01	2.18E-02	**1.02068**	2.05E-03	5.01E-05	**0.00210**
309088.97	3917090.62	1.02E+00	2.23E-02	**1.03755**	2.08E-03	5.13E-05	**0.00213**
309098.97	3917090.62	1.03E+00	2.29E-02	**1.05492**	2.12E-03	5.25E-05	**0.00217**
309108.97	3917090.62	1.05E+00	2.35E-02	**1.07303**	2.15E-03	5.39E-05	**0.00221**
309118.97	3917090.62	1.07E+00	2.40E-02	**1.09166**	2.19E-03	5.52E-05	**0.00224**
309128.97	3917090.62	1.09E+00	2.47E-02	**1.11094**	2.23E-03	5.66E-05	**0.00228**
308888.97	3917100.62	7.61E-01	1.52E-02	**0.77605**	1.56E-03	3.49E-05	**0.00160**

308898.97	3917100.62	7.71E-01	1.55E-02	**0.78694**	1.58E-03	3.55E-05	**0.00162**
308908.97	3917100.62	7.82E-01	1.58E-02	**0.79801**	1.60E-03	3.62E-05	**0.00164**
308918.97	3917100.62	7.93E-01	1.61E-02	**0.80941**	1.63E-03	3.69E-05	**0.00166**
308938.97	3917100.62	8.17E-01	1.67E-02	**0.83327**	1.67E-03	3.84E-05	**0.00171**
308948.97	3917100.62	8.29E-01	1.70E-02	**0.84569**	1.70E-03	3.91E-05	**0.00174**
308958.97	3917100.62	8.41E-01	1.74E-02	**0.85829**	1.72E-03	3.99E-05	**0.00176**
308968.97	3917100.62	8.53E-01	1.77E-02	**0.87113**	1.75E-03	4.07E-05	**0.00179**
308978.97	3917100.62	8.66E-01	1.81E-02	**0.88414**	1.78E-03	4.16E-05	**0.00182**
308988.97	3917100.62	8.79E-01	1.85E-02	**0.89759**	1.80E-03	4.25E-05	**0.00185**
308998.97	3917100.62	8.93E-01	1.89E-02	**0.91143**	1.83E-03	4.34E-05	**0.00187**
309008.97	3917100.62	9.06E-01	1.93E-02	**0.92570**	1.86E-03	4.43E-05	**0.00190**
309018.97	3917100.62	9.21E-01	1.97E-02	**0.94043**	1.89E-03	4.53E-05	**0.00193**
309028.97	3917100.62	9.35E-01	2.02E-02	**0.95554**	1.92E-03	4.63E-05	**0.00196**
309038.97	3917100.62	9.50E-01	2.06E-02	**0.97088**	1.95E-03	4.74E-05	**0.00200**
309048.97	3917100.62	9.66E-01	2.11E-02	**0.98665**	1.98E-03	4.85E-05	**0.00203**
309058.97	3917100.62	9.81E-01	2.16E-02	**1.00270**	2.01E-03	4.96E-05	**0.00206**
309068.97	3917100.62	9.97E-01	2.21E-02	**1.01924**	2.04E-03	5.08E-05	**0.00210**
309078.97	3917100.62	1.01E+00	2.27E-02	**1.03619**	2.08E-03	5.20E-05	**0.00213**
309088.97	3917100.62	1.03E+00	2.32E-02	**1.05380**	2.11E-03	5.33E-05	**0.00217**
309098.97	3917100.62	1.05E+00	2.38E-02	**1.07206**	2.15E-03	5.46E-05	**0.00220**
309108.97	3917100.62	1.07E+00	2.44E-02	**1.09090**	2.19E-03	5.60E-05	**0.00224**
309118.97	3917100.62	1.09E+00	2.50E-02	**1.11029**	2.23E-03	5.74E-05	**0.00228**
309128.97	3917100.62	1.10E+00	2.57E-02	**1.13022**	2.27E-03	5.89E-05	**0.00232**
308888.97	3917110.62	7.69E-01	1.57E-02	**0.78477**	1.58E-03	3.60E-05	**0.00161**
308898.97	3917110.62	7.80E-01	1.60E-02	**0.79606**	1.60E-03	3.67E-05	**0.00164**
308908.97	3917110.62	7.91E-01	1.63E-02	**0.80774**	1.62E-03	3.74E-05	**0.00166**
308918.97	3917110.62	8.03E-01	1.66E-02	**0.81968**	1.65E-03	3.82E-05	**0.00168**
308938.97	3917110.62	8.27E-01	1.73E-02	**0.84414**	1.70E-03	3.97E-05	**0.00174**
308948.97	3917110.62	8.39E-01	1.76E-02	**0.85675**	1.72E-03	4.05E-05	**0.00176**
308958.97	3917110.62	8.52E-01	1.80E-02	**0.86964**	1.75E-03	4.13E-05	**0.00179**
308968.97	3917110.62	8.64E-01	1.84E-02	**0.88278**	1.77E-03	4.22E-05	**0.00181**
308978.97	3917110.62	8.78E-01	1.88E-02	**0.89634**	1.80E-03	4.31E-05	**0.00184**
308988.97	3917110.62	8.91E-01	1.92E-02	**0.91024**	1.83E-03	4.40E-05	**0.00187**
308998.97	3917110.62	9.05E-01	1.96E-02	**0.92443**	1.86E-03	4.50E-05	**0.00190**
309008.97	3917110.62	9.19E-01	2.00E-02	**0.93897**	1.88E-03	4.60E-05	**0.00193**
309018.97	3917110.62	9.33E-01	2.05E-02	**0.95378**	1.91E-03	4.70E-05	**0.00196**
309028.97	3917110.62	9.48E-01	2.09E-02	**0.96904**	1.94E-03	4.81E-05	**0.00199**
309038.97	3917110.62	9.63E-01	2.14E-02	**0.98465**	1.98E-03	4.92E-05	**0.00202**
309048.97	3917110.62	9.79E-01	2.19E-02	**1.00086**	2.01E-03	5.03E-05	**0.00206**
309058.97	3917110.62	9.95E-01	2.24E-02	**1.01750**	2.04E-03	5.15E-05	**0.00209**
309068.97	3917110.62	1.01E+00	2.30E-02	**1.03476**	2.07E-03	5.28E-05	**0.00213**
309078.97	3917110.62	1.03E+00	2.36E-02	**1.05249**	2.11E-03	5.41E-05	**0.00216**
309088.97	3917110.62	1.05E+00	2.41E-02	**1.07078**	2.15E-03	5.54E-05	**0.00220**
309098.97	3917110.62	1.06E+00	2.48E-02	**1.08958**	2.18E-03	5.68E-05	**0.00224**
309108.97	3917110.62	1.08E+00	2.54E-02	**1.10890**	2.22E-03	5.83E-05	**0.00228**
309118.97	3917110.62	1.10E+00	2.61E-02	**1.12861**	2.26E-03	5.98E-05	**0.00232**
309128.97	3917110.62	1.12E+00	2.67E-02	**1.14879**	2.30E-03	6.14E-05	**0.00236**
308888.97	3917120.62	7.78E-01	1.62E-02	**0.79435**	1.60E-03	3.72E-05	**0.00163**
308898.97	3917120.62	7.89E-01	1.65E-02	**0.80598**	1.62E-03	3.79E-05	**0.00166**
308908.97	3917120.62	8.01E-01	1.69E-02	**0.81779**	1.64E-03	3.87E-05	**0.00168**
308918.97	3917120.62	8.13E-01	1.72E-02	**0.82975**	1.67E-03	3.95E-05	**0.00171**
308938.97	3917120.62	8.37E-01	1.79E-02	**0.85440**	1.72E-03	4.11E-05	**0.00176**
308948.97	3917120.62	8.49E-01	1.83E-02	**0.86721**	1.74E-03	4.19E-05	**0.00178**
308958.97	3917120.62	8.62E-01	1.86E-02	**0.88039**	1.77E-03	4.28E-05	**0.00181**
308968.97	3917120.62	8.75E-01	1.90E-02	**0.89391**	1.79E-03	4.37E-05	**0.00184**
308978.97	3917120.62	8.88E-01	1.95E-02	**0.90783**	1.82E-03	4.47E-05	**0.00187**
308988.97	3917120.62	9.02E-01	1.99E-02	**0.92205**	1.85E-03	4.56E-05	**0.00190**
308998.97	3917120.62	9.16E-01	2.03E-02	**0.93658**	1.88E-03	4.67E-05	**0.00193**
309008.97	3917120.62	9.31E-01	2.08E-02	**0.95156**	1.91E-03	4.77E-05	**0.00196**
309018.97	3917120.62	9.46E-01	2.12E-02	**0.96695**	1.94E-03	4.88E-05	**0.00199**
309028.97	3917120.62	9.61E-01	2.17E-02	**0.98275**	1.97E-03	4.99E-05	**0.00202**
309038.97	3917120.62	9.77E-01	2.22E-02	**0.99899**	2.00E-03	5.11E-05	**0.00205**
309048.97	3917120.62	9.93E-01	2.28E-02	**1.01570**	2.04E-03	5.23E-05	**0.00209**
309058.97	3917120.62	1.01E+00	2.33E-02	**1.03287**	2.07E-03	5.36E-05	**0.00212**
309068.97	3917120.62	1.03E+00	2.39E-02	**1.05054**	2.11E-03	5.49E-05	**0.00216**

309078.97	3917120.62	1.04E+00	2.45E-02	**1.06861**	2.14E-03	5.63E-05	**0.00220**
309088.97	3917120.62	1.06E+00	2.51E-02	**1.08721**	2.18E-03	5.77E-05	**0.00224**
309098.97	3917120.62	1.08E+00	2.58E-02	**1.10627**	2.22E-03	5.92E-05	**0.00227**
309108.97	3917120.62	1.10E+00	2.64E-02	**1.12580**	2.25E-03	6.07E-05	**0.00232**
309118.97	3917120.62	1.12E+00	2.71E-02	**1.14595**	2.29E-03	6.23E-05	**0.00236**
309128.97	3917120.62	1.14E+00	2.79E-02	**1.16688**	2.34E-03	6.40E-05	**0.00240**
308838.97	3917150.62	7.47E-01	1.62E-02	**0.76332**	1.53E-03	3.73E-05	**0.00157**
308848.97	3917150.62	7.58E-01	1.66E-02	**0.77427**	1.55E-03	3.80E-05	**0.00159**
308858.97	3917150.62	7.69E-01	1.69E-02	**0.78546**	1.58E-03	3.87E-05	**0.00161**
308868.97	3917150.62	7.80E-01	1.72E-02	**0.79689**	1.60E-03	3.95E-05	**0.00164**
308878.97	3917150.62	7.91E-01	1.75E-02	**0.80865**	1.62E-03	4.03E-05	**0.00166**
308888.97	3917150.62	8.03E-01	1.79E-02	**0.82067**	1.65E-03	4.11E-05	**0.00169**
308898.97	3917150.62	8.15E-01	1.83E-02	**0.83293**	1.67E-03	4.19E-05	**0.00171**
308908.97	3917150.62	8.27E-01	1.86E-02	**0.84542**	1.70E-03	4.28E-05	**0.00174**
308918.97	3917150.62	8.39E-01	1.90E-02	**0.85817**	1.72E-03	4.37E-05	**0.00176**
308928.97	3917150.62	8.52E-01	1.94E-02	**0.87124**	1.75E-03	4.46E-05	**0.00179**
308938.97	3917150.62	8.65E-01	1.98E-02	**0.88460**	1.77E-03	4.55E-05	**0.00182**
308948.97	3917150.62	8.78E-01	2.03E-02	**0.89826**	1.80E-03	4.65E-05	**0.00185**
308958.97	3917150.62	8.92E-01	2.07E-02	**0.91232**	1.83E-03	4.75E-05	**0.00188**
308968.97	3917150.62	9.06E-01	2.12E-02	**0.92676**	1.86E-03	4.86E-05	**0.00191**
308978.97	3917150.62	9.20E-01	2.16E-02	**0.94156**	1.89E-03	4.97E-05	**0.00194**
308988.97	3917150.62	9.35E-01	2.21E-02	**0.95678**	1.92E-03	5.08E-05	**0.00197**
308998.97	3917150.62	9.50E-01	2.27E-02	**0.97238**	1.95E-03	5.20E-05	**0.00200**
309008.97	3917150.62	9.65E-01	2.32E-02	**0.98844**	1.98E-03	5.32E-05	**0.00203**
309018.97	3917150.62	9.81E-01	2.37E-02	**1.00493**	2.01E-03	5.45E-05	**0.00207**
309028.97	3917150.62	9.98E-01	2.43E-02	**1.02190**	2.05E-03	5.58E-05	**0.00210**
309038.97	3917150.62	1.01E+00	2.49E-02	**1.03931**	2.08E-03	5.72E-05	**0.00214**
309048.97	3917150.62	1.03E+00	2.55E-02	**1.05736**	2.12E-03	5.86E-05	**0.00217**
309058.97	3917150.62	1.05E+00	2.62E-02	**1.07590**	2.15E-03	6.01E-05	**0.00221**
309068.97	3917150.62	1.07E+00	2.69E-02	**1.09485**	2.19E-03	6.17E-05	**0.00225**
309078.97	3917150.62	1.09E+00	2.76E-02	**1.11442**	2.23E-03	6.33E-05	**0.00229**
309088.97	3917150.62	1.11E+00	2.83E-02	**1.13464**	2.27E-03	6.50E-05	**0.00233**
309098.97	3917150.62	1.13E+00	2.91E-02	**1.15543**	2.31E-03	6.67E-05	**0.00238**
309108.97	3917150.62	1.15E+00	2.99E-02	**1.17690**	2.35E-03	6.86E-05	**0.00242**
309118.97	3917150.62	1.17E+00	3.07E-02	**1.19905**	2.40E-03	7.05E-05	**0.00247**
309128.97	3917150.62	1.19E+00	3.16E-02	**1.22191**	2.44E-03	7.25E-05	**0.00251**
308838.97	3917160.62	7.54E-01	1.68E-02	**0.77046**	1.55E-03	3.85E-05	**0.00158**
308848.97	3917160.62	7.65E-01	1.71E-02	**0.78165**	1.57E-03	3.92E-05	**0.00161**
308858.97	3917160.62	7.76E-01	1.74E-02	**0.79302**	1.59E-03	4.00E-05	**0.00163**
308868.97	3917160.62	7.87E-01	1.78E-02	**0.80460**	1.61E-03	4.08E-05	**0.00165**
308878.97	3917160.62	7.98E-01	1.81E-02	**0.81642**	1.64E-03	4.16E-05	**0.00168**
308888.97	3917160.62	8.10E-01	1.85E-02	**0.82856**	1.66E-03	4.24E-05	**0.00170**
308898.97	3917160.62	8.22E-01	1.89E-02	**0.84095**	1.69E-03	4.33E-05	**0.00173**
308908.97	3917160.62	8.34E-01	1.93E-02	**0.85367**	1.71E-03	4.42E-05	**0.00176**
308918.97	3917160.62	8.47E-01	1.97E-02	**0.86674**	1.74E-03	4.51E-05	**0.00178**
308928.97	3917160.62	8.60E-01	2.01E-02	**0.88015**	1.76E-03	4.61E-05	**0.00181**
308938.97	3917160.62	8.73E-01	2.05E-02	**0.89392**	1.79E-03	4.71E-05	**0.00184**
308948.97	3917160.62	8.87E-01	2.10E-02	**0.90802**	1.82E-03	4.81E-05	**0.00187**
308958.97	3917160.62	9.01E-01	2.14E-02	**0.92246**	1.85E-03	4.92E-05	**0.00190**
308968.97	3917160.62	9.15E-01	2.19E-02	**0.93733**	1.88E-03	5.03E-05	**0.00193**
308978.97	3917160.62	9.30E-01	2.24E-02	**0.95256**	1.91E-03	5.15E-05	**0.00196**
308988.97	3917160.62	9.45E-01	2.29E-02	**0.96817**	1.94E-03	5.27E-05	**0.00199**
308998.97	3917160.62	9.61E-01	2.35E-02	**0.98417**	1.97E-03	5.39E-05	**0.00202**
309008.97	3917160.62	9.77E-01	2.40E-02	**1.00062**	2.00E-03	5.52E-05	**0.00206**
309018.97	3917160.62	9.93E-01	2.46E-02	**1.01755**	2.04E-03	5.65E-05	**0.00209**
309028.97	3917160.62	1.01E+00	2.52E-02	**1.03497**	2.07E-03	5.79E-05	**0.00213**
309038.97	3917160.62	1.03E+00	2.59E-02	**1.05278**	2.11E-03	5.94E-05	**0.00217**
309048.97	3917160.62	1.04E+00	2.65E-02	**1.07109**	2.14E-03	6.09E-05	**0.00220**
309058.97	3917160.62	1.06E+00	2.72E-02	**1.08998**	2.18E-03	6.24E-05	**0.00224**
309068.97	3917160.62	1.08E+00	2.79E-02	**1.10931**	2.22E-03	6.41E-05	**0.00228**
309078.97	3917160.62	1.10E+00	2.87E-02	**1.12926**	2.26E-03	6.58E-05	**0.00232**
309088.97	3917160.62	1.12E+00	2.94E-02	**1.14982**	2.30E-03	6.76E-05	**0.00237**
309098.97	3917160.62	1.14E+00	3.02E-02	**1.17100**	2.34E-03	6.94E-05	**0.00241**
309108.97	3917160.62	1.16E+00	3.11E-02	**1.19291**	2.38E-03	7.14E-05	**0.00245**
309118.97	3917160.62	1.18E+00	3.20E-02	**1.21557**	2.43E-03	7.34E-05	**0.00250**

309128.97	3917160.62	1.21E+00	3.29E-02	**1.23892**	2.47E-03	7.55E-05	**0.00255**
308838.97	3917170.62	7.60E-01	1.73E-02	**0.77762**	1.56E-03	3.97E-05	**0.00160**
308848.97	3917170.62	7.71E-01	1.76E-02	**0.78894**	1.58E-03	4.04E-05	**0.00162**
308858.97	3917170.62	7.83E-01	1.80E-02	**0.80046**	1.60E-03	4.12E-05	**0.00165**
308868.97	3917170.62	7.94E-01	1.83E-02	**0.81222**	1.63E-03	4.21E-05	**0.00167**
308878.97	3917170.62	8.06E-01	1.87E-02	**0.82427**	1.65E-03	4.29E-05	**0.00169**
308888.97	3917170.62	8.18E-01	1.91E-02	**0.83667**	1.68E-03	4.38E-05	**0.00172**
308898.97	3917170.62	8.30E-01	1.95E-02	**0.84940**	1.70E-03	4.47E-05	**0.00175**
308908.97	3917170.62	8.43E-01	1.99E-02	**0.86244**	1.73E-03	4.57E-05	**0.00177**
308918.97	3917170.62	8.55E-01	2.03E-02	**0.87580**	1.75E-03	4.66E-05	**0.00180**
308928.97	3917170.62	8.69E-01	2.07E-02	**0.88951**	1.78E-03	4.76E-05	**0.00183**
308938.97	3917170.62	8.82E-01	2.12E-02	**0.90354**	1.81E-03	4.87E-05	**0.00186**
308948.97	3917170.62	8.96E-01	2.17E-02	**0.91795**	1.84E-03	4.98E-05	**0.00189**
308958.97	3917170.62	9.10E-01	2.22E-02	**0.93262**	1.87E-03	5.09E-05	**0.00192**
308968.97	3917170.62	9.25E-01	2.27E-02	**0.94767**	1.90E-03	5.21E-05	**0.00195**
308978.97	3917170.62	9.40E-01	2.32E-02	**0.96316**	1.93E-03	5.33E-05	**0.00198**
308988.97	3917170.62	9.55E-01	2.37E-02	**0.97905**	1.96E-03	5.45E-05	**0.00201**
308998.97	3917170.62	9.71E-01	2.43E-02	**0.99534**	1.99E-03	5.58E-05	**0.00205**
309008.97	3917170.62	9.87E-01	2.49E-02	**1.01209**	2.02E-03	5.72E-05	**0.00208**
309018.97	3917170.62	1.00E+00	2.55E-02	**1.02925**	2.06E-03	5.86E-05	**0.00212**
309028.97	3917170.62	1.02E+00	2.62E-02	**1.04689**	2.09E-03	6.01E-05	**0.00215**
309038.97	3917170.62	1.04E+00	2.68E-02	**1.06500**	2.13E-03	6.16E-05	**0.00219**
309048.97	3917170.62	1.06E+00	2.75E-02	**1.08365**	2.17E-03	6.32E-05	**0.00223**
309058.97	3917170.62	1.07E+00	2.82E-02	**1.10286**	2.20E-03	6.48E-05	**0.00227**
309068.97	3917170.62	1.09E+00	2.90E-02	**1.12262**	2.24E-03	6.65E-05	**0.00231**
309078.97	3917170.62	1.11E+00	2.98E-02	**1.14304**	2.28E-03	6.83E-05	**0.00235**
309088.97	3917170.62	1.13E+00	3.06E-02	**1.16419**	2.32E-03	7.02E-05	**0.00239**
309098.97	3917170.62	1.15E+00	3.14E-02	**1.18606**	2.37E-03	7.22E-05	**0.00244**
309108.97	3917170.62	1.18E+00	3.23E-02	**1.20859**	2.41E-03	7.42E-05	**0.00249**
309118.97	3917170.62	1.20E+00	3.32E-02	**1.23182**	2.46E-03	7.63E-05	**0.00253**
309128.97	3917170.62	1.22E+00	3.42E-02	**1.25588**	2.51E-03	7.86E-05	**0.00258**
308838.97	3917180.62	7.67E-01	1.78E-02	**0.78452**	1.57E-03	4.09E-05	**0.00161**
308848.97	3917180.62	7.78E-01	1.82E-02	**0.79600**	1.60E-03	4.17E-05	**0.00164**
308858.97	3917180.62	7.89E-01	1.85E-02	**0.80775**	1.62E-03	4.25E-05	**0.00166**
308868.97	3917180.62	8.01E-01	1.89E-02	**0.81978**	1.64E-03	4.34E-05	**0.00169**
308878.97	3917180.62	8.13E-01	1.93E-02	**0.83212**	1.67E-03	4.43E-05	**0.00171**
308888.97	3917180.62	8.25E-01	1.97E-02	**0.84478**	1.69E-03	4.52E-05	**0.00174**
308898.97	3917180.62	8.38E-01	2.01E-02	**0.85774**	1.72E-03	4.61E-05	**0.00176**
308908.97	3917180.62	8.50E-01	2.05E-02	**0.87098**	1.74E-03	4.71E-05	**0.00179**
308918.97	3917180.62	8.64E-01	2.10E-02	**0.88454**	1.77E-03	4.82E-05	**0.00182**
308928.97	3917180.62	8.77E-01	2.14E-02	**0.89845**	1.80E-03	4.92E-05	**0.00185**
308938.97	3917180.62	8.91E-01	2.19E-02	**0.91268**	1.83E-03	5.03E-05	**0.00188**
308948.97	3917180.62	9.05E-01	2.24E-02	**0.92731**	1.86E-03	5.14E-05	**0.00191**
308958.97	3917180.62	9.19E-01	2.29E-02	**0.94231**	1.89E-03	5.26E-05	**0.00194**
308968.97	3917180.62	9.34E-01	2.34E-02	**0.95771**	1.92E-03	5.38E-05	**0.00197**
308978.97	3917180.62	9.50E-01	2.40E-02	**0.97353**	1.95E-03	5.51E-05	**0.00200**
308988.97	3917180.62	9.65E-01	2.46E-02	**0.98971**	1.98E-03	5.64E-05	**0.00204**
308998.97	3917180.62	9.81E-01	2.52E-02	**1.00631**	2.01E-03	5.78E-05	**0.00207**
309008.97	3917180.62	9.98E-01	2.58E-02	**1.02339**	2.05E-03	5.92E-05	**0.00210**
309018.97	3917180.62	1.01E+00	2.64E-02	**1.04093**	2.08E-03	6.07E-05	**0.00214**
309028.97	3917180.62	1.03E+00	2.71E-02	**1.05895**	2.12E-03	6.22E-05	**0.00218**
309038.97	3917180.62	1.05E+00	2.78E-02	**1.07744**	2.15E-03	6.38E-05	**0.00222**
309048.97	3917180.62	1.07E+00	2.85E-02	**1.09652**	2.19E-03	6.55E-05	**0.00226**
309058.97	3917180.62	1.09E+00	2.93E-02	**1.11631**	2.23E-03	6.72E-05	**0.00230**
309068.97	3917180.62	1.11E+00	3.01E-02	**1.13672**	2.27E-03	6.90E-05	**0.00234**
309078.97	3917180.62	1.13E+00	3.09E-02	**1.15777**	2.31E-03	7.09E-05	**0.00238**
309088.97	3917180.62	1.15E+00	3.17E-02	**1.17953**	2.35E-03	7.29E-05	**0.00243**
309098.97	3917180.62	1.17E+00	3.26E-02	**1.20197**	2.40E-03	7.49E-05	**0.00247**
309108.97	3917180.62	1.19E+00	3.36E-02	**1.22507**	2.44E-03	7.71E-05	**0.00252**
309118.97	3917180.62	1.21E+00	3.46E-02	**1.24901**	2.49E-03	7.93E-05	**0.00257**
309128.97	3917180.62	1.24E+00	3.56E-02	**1.27381**	2.54E-03	8.17E-05	**0.00262**
308758.97	3917300.62	7.36E-01	2.04E-02	**0.75621**	1.51E-03	4.69E-05	**0.00156**
308768.97	3917300.62	7.46E-01	2.08E-02	**0.76719**	1.53E-03	4.79E-05	**0.00158**
308778.97	3917300.62	7.57E-01	2.13E-02	**0.77852**	1.55E-03	4.88E-05	**0.00160**
308788.97	3917300.62	7.68E-01	2.17E-02	**0.79013**	1.58E-03	4.98E-05	**0.00163**

308798.97	3917300.62	7.80E-01	2.21E-02	**0.80199**	1.60E-03	5.08E-05	**0.00165**
308758.97	3917310.62	7.39E-01	2.08E-02	**0.76020**	1.52E-03	4.78E-05	**0.00156**
308768.97	3917310.62	7.50E-01	2.12E-02	**0.77119**	1.54E-03	4.88E-05	**0.00159**
308778.97	3917310.62	7.61E-01	2.17E-02	**0.78252**	1.56E-03	4.98E-05	**0.00161**
308788.97	3917310.62	7.72E-01	2.21E-02	**0.79412**	1.58E-03	5.08E-05	**0.00163**
308798.97	3917310.62	7.83E-01	2.26E-02	**0.80599**	1.61E-03	5.18E-05	**0.00166**
308758.97	3917320.62	7.43E-01	2.12E-02	**0.76382**	1.52E-03	4.87E-05	**0.00157**
308768.97	3917320.62	7.53E-01	2.16E-02	**0.77492**	1.54E-03	4.97E-05	**0.00159**
308778.97	3917320.62	7.64E-01	2.21E-02	**0.78633**	1.57E-03	5.07E-05	**0.00162**
308788.97	3917320.62	7.75E-01	2.25E-02	**0.79799**	1.59E-03	5.17E-05	**0.00164**
308798.97	3917320.62	7.87E-01	2.30E-02	**0.80995**	1.61E-03	5.28E-05	**0.00167**
308758.97	3917330.62	7.45E-01	2.16E-02	**0.76699**	1.53E-03	4.96E-05	**0.00158**
308768.97	3917330.62	7.56E-01	2.20E-02	**0.77812**	1.55E-03	5.06E-05	**0.00160**
308778.97	3917330.62	7.67E-01	2.25E-02	**0.78955**	1.57E-03	5.16E-05	**0.00162**
308788.97	3917330.62	7.78E-01	2.29E-02	**0.80124**	1.60E-03	5.26E-05	**0.00165**
308798.97	3917330.62	7.90E-01	2.34E-02	**0.81317**	1.62E-03	5.37E-05	**0.00167**
308758.97	3917340.62	7.49E-01	2.20E-02	**0.77080**	1.54E-03	5.04E-05	**0.00159**
308768.97	3917340.62	7.60E-01	2.24E-02	**0.78199**	1.56E-03	5.14E-05	**0.00161**
308778.97	3917340.62	7.71E-01	2.28E-02	**0.79345**	1.58E-03	5.25E-05	**0.00163**
308788.97	3917340.62	7.82E-01	2.33E-02	**0.80523**	1.60E-03	5.35E-05	**0.00166**
308798.97	3917340.62	7.94E-01	2.38E-02	**0.81731**	1.63E-03	5.46E-05	**0.00168**
308758.97	3917350.62	7.51E-01	2.23E-02	**0.77379**	1.54E-03	5.12E-05	**0.00159**
308768.97	3917350.62	7.62E-01	2.28E-02	**0.78509**	1.56E-03	5.23E-05	**0.00162**
308778.97	3917350.62	7.73E-01	2.32E-02	**0.79661**	1.59E-03	5.33E-05	**0.00164**
308788.97	3917350.62	7.85E-01	2.37E-02	**0.80845**	1.61E-03	5.44E-05	**0.00166**
308798.97	3917350.62	7.96E-01	2.42E-02	**0.82058**	1.63E-03	5.55E-05	**0.00169**
308758.97	3917360.62	7.55E-01	2.27E-02	**0.77721**	1.55E-03	5.20E-05	**0.00160**
308768.97	3917360.62	7.65E-01	2.31E-02	**0.78855**	1.57E-03	5.30E-05	**0.00162**
308778.97	3917360.62	7.77E-01	2.36E-02	**0.80017**	1.59E-03	5.41E-05	**0.00165**
308788.97	3917360.62	7.88E-01	2.40E-02	**0.81207**	1.62E-03	5.52E-05	**0.00167**
308798.97	3917360.62	8.00E-01	2.45E-02	**0.82425**	1.64E-03	5.63E-05	**0.00170**
308758.97	3917370.62	7.57E-01	2.30E-02	**0.78032**	1.55E-03	5.28E-05	**0.00161**
308768.97	3917370.62	7.68E-01	2.34E-02	**0.79173**	1.58E-03	5.38E-05	**0.00163**
308778.97	3917370.62	7.80E-01	2.39E-02	**0.80341**	1.60E-03	5.49E-05	**0.00165**
308788.97	3917370.62	7.91E-01	2.44E-02	**0.81539**	1.62E-03	5.60E-05	**0.00168**
308798.97	3917370.62	8.03E-01	2.49E-02	**0.82770**	1.65E-03	5.71E-05	**0.00170**
308808.97	3917370.62	8.15E-01	2.54E-02	**0.84037**	1.67E-03	5.83E-05	**0.00173**
308818.97	3917370.62	8.27E-01	2.59E-02	**0.85337**	1.70E-03	5.95E-05	**0.00176**
308828.97	3917370.62	8.40E-01	2.64E-02	**0.86669**	1.72E-03	6.07E-05	**0.00178**
308838.97	3917370.62	8.53E-01	2.70E-02	**0.88033**	1.75E-03	6.20E-05	**0.00181**
308848.97	3917370.62	8.67E-01	2.76E-02	**0.89422**	1.78E-03	6.33E-05	**0.00184**
308858.97	3917370.62	8.80E-01	2.82E-02	**0.90841**	1.81E-03	6.47E-05	**0.00187**
308868.97	3917370.62	8.94E-01	2.88E-02	**0.92304**	1.83E-03	6.61E-05	**0.00190**
308888.97	3917370.62	9.24E-01	3.01E-02	**0.95364**	1.89E-03	6.91E-05	**0.00196**
308898.97	3917370.62	9.39E-01	3.08E-02	**0.96962**	1.93E-03	7.07E-05	**0.00200**
308908.97	3917370.62	9.55E-01	3.15E-02	**0.98608**	1.96E-03	7.23E-05	**0.00203**
308918.97	3917370.62	9.71E-01	3.22E-02	**1.00298**	1.99E-03	7.39E-05	**0.00206**
308928.97	3917370.62	9.87E-01	3.29E-02	**1.02023**	2.02E-03	7.57E-05	**0.00210**
308938.97	3917370.62	1.00E+00	3.37E-02	**1.03793**	2.06E-03	7.74E-05	**0.00214**
308948.97	3917370.62	1.02E+00	3.45E-02	**1.05614**	2.10E-03	7.93E-05	**0.00217**
308758.97	3917380.62	7.60E-01	2.33E-02	**0.78349**	1.56E-03	5.35E-05	**0.00161**
308768.97	3917380.62	7.71E-01	2.38E-02	**0.79505**	1.58E-03	5.45E-05	**0.00164**
308778.97	3917380.62	7.83E-01	2.42E-02	**0.80685**	1.60E-03	5.56E-05	**0.00166**
308788.97	3917380.62	7.94E-01	2.47E-02	**0.81886**	1.63E-03	5.67E-05	**0.00169**
308798.97	3917380.62	8.06E-01	2.52E-02	**0.83110**	1.65E-03	5.79E-05	**0.00171**
308808.97	3917380.62	8.18E-01	2.57E-02	**0.84365**	1.68E-03	5.91E-05	**0.00174**
308818.97	3917380.62	8.30E-01	2.62E-02	**0.85656**	1.70E-03	6.03E-05	**0.00176**
308828.97	3917380.62	8.43E-01	2.68E-02	**0.86985**	1.73E-03	6.15E-05	**0.00179**
308838.97	3917380.62	8.56E-01	2.74E-02	**0.88370**	1.76E-03	6.28E-05	**0.00182**
308848.97	3917380.62	8.70E-01	2.79E-02	**0.89799**	1.78E-03	6.42E-05	**0.00185**
308858.97	3917380.62	8.84E-01	2.86E-02	**0.91264**	1.81E-03	6.56E-05	**0.00188**
308868.97	3917380.62	8.98E-01	2.92E-02	**0.92748**	1.84E-03	6.70E-05	**0.00191**
308888.97	3917380.62	9.28E-01	3.05E-02	**0.95819**	1.90E-03	7.00E-05	**0.00197**
308898.97	3917380.62	9.43E-01	3.12E-02	**0.97405**	1.93E-03	7.16E-05	**0.00201**
308908.97	3917380.62	9.59E-01	3.19E-02	**0.99048**	1.97E-03	7.32E-05	**0.00204**

308918.97	3917380.62	9.75E-01	3.26E-02	**1.00741**	2.00E-03	7.49E-05	**0.00207**
308928.97	3917380.62	9.92E-01	3.34E-02	**1.02498**	2.03E-03	7.66E-05	**0.00211**
308938.97	3917380.62	1.01E+00	3.41E-02	**1.04298**	2.07E-03	7.84E-05	**0.00215**
308948.97	3917380.62	1.03E+00	3.49E-02	**1.06148**	2.11E-03	8.02E-05	**0.00219**
308758.97	3917390.62	7.63E-01	2.36E-02	**0.78649**	1.56E-03	5.42E-05	**0.00162**
308768.97	3917390.62	7.74E-01	2.41E-02	**0.79794**	1.59E-03	5.52E-05	**0.00164**
308778.97	3917390.62	7.85E-01	2.45E-02	**0.80978**	1.61E-03	5.63E-05	**0.00167**
308788.97	3917390.62	7.97E-01	2.50E-02	**0.82194**	1.63E-03	5.75E-05	**0.00169**
308798.97	3917390.62	8.09E-01	2.55E-02	**0.83445**	1.66E-03	5.86E-05	**0.00172**
308808.97	3917390.62	8.21E-01	2.60E-02	**0.84725**	1.68E-03	5.98E-05	**0.00174**
308818.97	3917390.62	8.34E-01	2.66E-02	**0.86029**	1.71E-03	6.10E-05	**0.00177**
308828.97	3917390.62	8.46E-01	2.71E-02	**0.87362**	1.74E-03	6.23E-05	**0.00180**
308838.97	3917390.62	8.60E-01	2.77E-02	**0.88737**	1.76E-03	6.36E-05	**0.00183**
308848.97	3917390.62	8.73E-01	2.83E-02	**0.90151**	1.79E-03	6.50E-05	**0.00186**
308858.97	3917390.62	8.87E-01	2.89E-02	**0.91608**	1.82E-03	6.64E-05	**0.00189**
308868.97	3917390.62	9.01E-01	2.95E-02	**0.93101**	1.85E-03	6.78E-05	**0.00192**
308938.97	3917390.62	1.01E+00	3.45E-02	**1.04742**	2.08E-03	7.93E-05	**0.00216**
308948.97	3917390.62	1.03E+00	3.53E-02	**1.06611**	2.11E-03	8.11E-05	**0.00219**
308758.97	3917400.62	7.66E-01	2.39E-02	**0.78982**	1.57E-03	5.48E-05	**0.00163**
308768.97	3917400.62	7.77E-01	2.43E-02	**0.80138**	1.59E-03	5.59E-05	**0.00165**
308778.97	3917400.62	7.88E-01	2.48E-02	**0.81319**	1.62E-03	5.70E-05	**0.00167**
308788.97	3917400.62	8.00E-01	2.53E-02	**0.82528**	1.64E-03	5.81E-05	**0.00170**
308798.97	3917400.62	8.12E-01	2.58E-02	**0.83770**	1.66E-03	5.93E-05	**0.00172**
308808.97	3917400.62	8.24E-01	2.63E-02	**0.85045**	1.69E-03	6.05E-05	**0.00175**
308818.97	3917400.62	8.37E-01	2.69E-02	**0.86361**	1.72E-03	6.17E-05	**0.00178**
308838.97	3917400.62	8.63E-01	2.80E-02	**0.89115**	1.77E-03	6.43E-05	**0.00183**
308848.97	3917400.62	8.77E-01	2.86E-02	**0.90545**	1.80E-03	6.57E-05	**0.00186**
308858.97	3917400.62	8.91E-01	2.92E-02	**0.92004**	1.83E-03	6.71E-05	**0.00189**
308868.97	3917400.62	9.05E-01	2.99E-02	**0.93497**	1.86E-03	6.86E-05	**0.00192**
308888.97	3917400.62	9.35E-01	3.12E-02	**0.96619**	1.92E-03	7.16E-05	**0.00199**
308898.97	3917400.62	9.51E-01	3.19E-02	**0.98250**	1.95E-03	7.32E-05	**0.00202**
308908.97	3917400.62	9.67E-01	3.26E-02	**0.99936**	1.98E-03	7.49E-05	**0.00206**
308918.97	3917400.62	9.83E-01	3.33E-02	**1.01663**	2.02E-03	7.66E-05	**0.00209**
308938.97	3917400.62	1.02E+00	3.49E-02	**1.05232**	2.09E-03	8.01E-05	**0.00217**
308948.97	3917400.62	1.04E+00	3.57E-02	**1.07088**	2.12E-03	8.20E-05	**0.00220**
308758.97	3917410.62	7.68E-01	2.42E-02	**0.79245**	1.58E-03	5.55E-05	**0.00163**
308768.97	3917410.62	7.80E-01	2.46E-02	**0.80417**	1.60E-03	5.65E-05	**0.00166**
308778.97	3917410.62	7.91E-01	2.51E-02	**0.81620**	1.62E-03	5.76E-05	**0.00168**
308788.97	3917410.62	8.03E-01	2.56E-02	**0.82854**	1.65E-03	5.88E-05	**0.00171**
308798.97	3917410.62	8.15E-01	2.61E-02	**0.84115**	1.67E-03	6.00E-05	**0.00173**
308808.97	3917410.62	8.27E-01	2.66E-02	**0.85403**	1.70E-03	6.12E-05	**0.00176**
308818.97	3917410.62	8.40E-01	2.72E-02	**0.86713**	1.72E-03	6.24E-05	**0.00178**
308838.97	3917410.62	8.66E-01	2.83E-02	**0.89445**	1.78E-03	6.50E-05	**0.00184**
308848.97	3917410.62	8.80E-01	2.89E-02	**0.90875**	1.80E-03	6.64E-05	**0.00187**
308858.97	3917410.62	8.94E-01	2.95E-02	**0.92354**	1.83E-03	6.78E-05	**0.00190**
308868.97	3917410.62	9.09E-01	3.02E-02	**0.93881**	1.86E-03	6.93E-05	**0.00193**
308888.97	3917410.62	9.39E-01	3.15E-02	**0.97036**	1.93E-03	7.24E-05	**0.00200**
308898.97	3917410.62	9.54E-01	3.22E-02	**0.98656**	1.96E-03	7.40E-05	**0.00203**
308908.97	3917410.62	9.70E-01	3.29E-02	**1.00332**	1.99E-03	7.56E-05	**0.00207**
308918.97	3917410.62	9.87E-01	3.37E-02	**1.02070**	2.02E-03	7.73E-05	**0.00210**
308938.97	3917410.62	1.02E+00	3.52E-02	**1.05737**	2.10E-03	8.09E-05	**0.00218**
308948.97	3917410.62	1.04E+00	3.61E-02	**1.07645**	2.13E-03	8.28E-05	**0.00222**
308758.97	3917420.62	7.71E-01	2.44E-02	**0.79576**	1.58E-03	5.61E-05	**0.00164**
308768.97	3917420.62	7.82E-01	2.49E-02	**0.80735**	1.60E-03	5.71E-05	**0.00166**
308778.97	3917420.62	7.94E-01	2.54E-02	**0.81926**	1.63E-03	5.83E-05	**0.00169**
308788.97	3917420.62	8.06E-01	2.59E-02	**0.83146**	1.65E-03	5.94E-05	**0.00171**
308798.97	3917420.62	8.18E-01	2.64E-02	**0.84404**	1.68E-03	6.06E-05	**0.00174**
308808.97	3917420.62	8.30E-01	2.69E-02	**0.85705**	1.70E-03	6.18E-05	**0.00176**
308818.97	3917420.62	8.43E-01	2.75E-02	**0.87044**	1.73E-03	6.31E-05	**0.00179**
308838.97	3917420.62	8.70E-01	2.86E-02	**0.89818**	1.78E-03	6.57E-05	**0.00185**
308848.97	3917420.62	8.83E-01	2.92E-02	**0.91251**	1.81E-03	6.71E-05	**0.00188**
308858.97	3917420.62	8.97E-01	2.98E-02	**0.92716**	1.84E-03	6.85E-05	**0.00191**
308868.97	3917420.62	9.12E-01	3.05E-02	**0.94245**	1.87E-03	7.00E-05	**0.00194**
308888.97	3917420.62	9.43E-01	3.18E-02	**0.97456**	1.93E-03	7.31E-05	**0.00201**
308898.97	3917420.62	9.59E-01	3.25E-02	**0.99121**	1.97E-03	7.47E-05	**0.00204**

308908.97	3917420.62	9.75E-01	3.32E-02	**1.00811**	2.00E-03	7.63E-05	**0.00208**
308918.97	3917420.62	9.91E-01	3.40E-02	**1.02537**	2.03E-03	7.81E-05	**0.00211**
308938.97	3917420.62	1.03E+00	3.56E-02	**1.06158**	2.10E-03	8.16E-05	**0.00219**
308948.97	3917420.62	1.04E+00	3.64E-02	**1.08079**	2.14E-03	8.35E-05	**0.00223**
308758.97	3917430.62	7.74E-01	2.47E-02	**0.79844**	1.59E-03	5.66E-05	**0.00164**
308768.97	3917430.62	7.85E-01	2.51E-02	**0.81038**	1.61E-03	5.77E-05	**0.00167**
308778.97	3917430.62	7.97E-01	2.56E-02	**0.82253**	1.63E-03	5.88E-05	**0.00169**
308788.97	3917430.62	8.09E-01	2.61E-02	**0.83492**	1.66E-03	6.00E-05	**0.00172**
308798.97	3917430.62	8.21E-01	2.66E-02	**0.84756**	1.68E-03	6.12E-05	**0.00174**
308808.97	3917430.62	8.33E-01	2.72E-02	**0.86047**	1.71E-03	6.24E-05	**0.00177**
308818.97	3917430.62	8.46E-01	2.77E-02	**0.87376**	1.73E-03	6.37E-05	**0.00180**
308838.97	3917430.62	8.73E-01	2.89E-02	**0.90154**	1.79E-03	6.63E-05	**0.00186**
308848.97	3917430.62	8.87E-01	2.95E-02	**0.91608**	1.82E-03	6.77E-05	**0.00189**
308858.97	3917430.62	9.01E-01	3.01E-02	**0.93097**	1.85E-03	6.91E-05	**0.00192**
308868.97	3917430.62	9.16E-01	3.08E-02	**0.94629**	1.88E-03	7.06E-05	**0.00195**
308888.97	3917430.62	9.46E-01	3.21E-02	**0.97821**	1.94E-03	7.37E-05	**0.00201**
308898.97	3917430.62	9.62E-01	3.28E-02	**0.99496**	1.97E-03	7.53E-05	**0.00205**
308908.97	3917430.62	9.79E-01	3.35E-02	**1.01237**	2.01E-03	7.70E-05	**0.00208**
308918.97	3917430.62	9.96E-01	3.43E-02	**1.03024**	2.04E-03	7.87E-05	**0.00212**
308938.97	3917430.62	1.03E+00	3.59E-02	**1.06690**	2.11E-03	8.23E-05	**0.00220**
308948.97	3917430.62	1.05E+00	3.67E-02	**1.08588**	2.15E-03	8.42E-05	**0.00224**
308758.97	3917440.62	7.76E-01	2.49E-02	**0.80126**	1.59E-03	5.71E-05	**0.00165**
308768.97	3917440.62	7.88E-01	2.54E-02	**0.81309**	1.62E-03	5.82E-05	**0.00167**
308778.97	3917440.62	7.99E-01	2.59E-02	**0.82516**	1.64E-03	5.94E-05	**0.00170**
308788.97	3917440.62	8.11E-01	2.64E-02	**0.83767**	1.66E-03	6.05E-05	**0.00172**
308798.97	3917440.62	8.24E-01	2.69E-02	**0.85058**	1.69E-03	6.17E-05	**0.00175**
308808.97	3917440.62	8.36E-01	2.74E-02	**0.86381**	1.72E-03	6.30E-05	**0.00178**
308818.97	3917440.62	8.49E-01	2.80E-02	**0.87730**	1.74E-03	6.42E-05	**0.00181**
308838.97	3917440.62	8.76E-01	2.91E-02	**0.90528**	1.80E-03	6.69E-05	**0.00186**
308848.97	3917440.62	8.90E-01	2.97E-02	**0.91973**	1.83E-03	6.83E-05	**0.00189**
308858.97	3917440.62	9.04E-01	3.04E-02	**0.93464**	1.85E-03	6.97E-05	**0.00192**
308868.97	3917440.62	9.19E-01	3.10E-02	**0.95012**	1.88E-03	7.12E-05	**0.00196**
308888.97	3917440.62	9.50E-01	3.24E-02	**0.98218**	1.95E-03	7.43E-05	**0.00202**
308898.97	3917440.62	9.66E-01	3.31E-02	**0.99888**	1.98E-03	7.60E-05	**0.00206**
308908.97	3917440.62	9.82E-01	3.38E-02	**1.01610**	2.01E-03	7.76E-05	**0.00209**
308918.97	3917440.62	9.99E-01	3.46E-02	**1.03399**	2.05E-03	7.94E-05	**0.00213**
308938.97	3917440.62	1.04E+00	3.61E-02	**1.07169**	2.12E-03	8.30E-05	**0.00221**
308948.97	3917440.62	1.05E+00	3.70E-02	**1.09140**	2.16E-03	8.49E-05	**0.00225**
308758.97	3917450.62	7.79E-01	2.51E-02	**0.80434**	1.60E-03	5.76E-05	**0.00166**
308768.97	3917450.62	7.91E-01	2.56E-02	**0.81626**	1.62E-03	5.87E-05	**0.00168**
308778.97	3917450.62	8.02E-01	2.61E-02	**0.82851**	1.65E-03	5.99E-05	**0.00171**
308788.97	3917450.62	8.14E-01	2.66E-02	**0.84094**	1.67E-03	6.10E-05	**0.00173**
308798.97	3917450.62	8.27E-01	2.71E-02	**0.85363**	1.69E-03	6.23E-05	**0.00176**
308808.97	3917450.62	8.39E-01	2.77E-02	**0.86667**	1.72E-03	6.35E-05	**0.00178**
308818.97	3917450.62	8.52E-01	2.82E-02	**0.88021**	1.75E-03	6.48E-05	**0.00181**
308838.97	3917450.62	8.79E-01	2.94E-02	**0.90855**	1.80E-03	6.75E-05	**0.00187**
308848.97	3917450.62	8.93E-01	3.00E-02	**0.92331**	1.83E-03	6.89E-05	**0.00190**
308858.97	3917450.62	9.08E-01	3.06E-02	**0.93835**	1.86E-03	7.03E-05	**0.00193**
308868.97	3917450.62	9.23E-01	3.13E-02	**0.95379**	1.89E-03	7.18E-05	**0.00196**
308888.97	3917450.62	9.54E-01	3.26E-02	**0.98616**	1.96E-03	7.49E-05	**0.00203**
308898.97	3917450.62	9.70E-01	3.33E-02	**1.00337**	1.99E-03	7.66E-05	**0.00207**
308908.97	3917450.62	9.87E-01	3.41E-02	**1.02099**	2.02E-03	7.83E-05	**0.00210**
308918.97	3917450.62	1.00E+00	3.48E-02	**1.03894**	2.06E-03	8.00E-05	**0.00214**
308938.97	3917450.62	1.04E+00	3.64E-02	**1.07609**	2.13E-03	8.36E-05	**0.00222**
308948.97	3917450.62	1.06E+00	3.72E-02	**1.09582**	2.17E-03	8.55E-05	**0.00226**
308758.97	3917460.62	7.81E-01	2.53E-02	**0.80677**	1.60E-03	5.81E-05	**0.00166**
308768.97	3917460.62	7.93E-01	2.58E-02	**0.81872**	1.63E-03	5.92E-05	**0.00169**
308778.97	3917460.62	8.05E-01	2.63E-02	**0.83113**	1.65E-03	6.04E-05	**0.00171**
308788.97	3917460.62	8.17E-01	2.68E-02	**0.84386**	1.68E-03	6.15E-05	**0.00174**
308798.97	3917460.62	8.30E-01	2.73E-02	**0.85689**	1.70E-03	6.27E-05	**0.00176**
308808.97	3917460.62	8.42E-01	2.79E-02	**0.87022**	1.73E-03	6.40E-05	**0.00179**
308818.97	3917460.62	8.55E-01	2.84E-02	**0.88377**	1.75E-03	6.53E-05	**0.00182**
308838.97	3917460.62	8.82E-01	2.96E-02	**0.91188**	1.81E-03	6.80E-05	**0.00188**
308848.97	3917460.62	8.96E-01	3.02E-02	**0.92659**	1.84E-03	6.94E-05	**0.00191**
308858.97	3917460.62	9.11E-01	3.09E-02	**0.94184**	1.87E-03	7.09E-05	**0.00194**

308868.97	3917460.62	9.26E-01	3.15E-02	**0.95748**	1.90E-03	7.24E-05	**0.00197**
308888.97	3917460.62	9.57E-01	3.29E-02	**0.99003**	1.96E-03	7.55E-05	**0.00204**
308898.97	3917460.62	9.74E-01	3.36E-02	**1.00722**	2.00E-03	7.71E-05	**0.00207**
308908.97	3917460.62	9.91E-01	3.43E-02	**1.02506**	2.03E-03	7.88E-05	**0.00211**
308918.97	3917460.62	1.01E+00	3.51E-02	**1.04348**	2.07E-03	8.06E-05	**0.00215**
308938.97	3917460.62	1.04E+00	3.67E-02	**1.08137**	2.14E-03	8.42E-05	**0.00223**
308948.97	3917460.62	1.06E+00	3.75E-02	**1.10103**	2.18E-03	8.61E-05	**0.00227**
308758.97	3917470.62	7.84E-01	2.55E-02	**0.80971**	1.61E-03	5.85E-05	**0.00167**
308768.97	3917470.62	7.96E-01	2.60E-02	**0.82172**	1.63E-03	5.97E-05	**0.00169**
308778.97	3917470.62	8.07E-01	2.65E-02	**0.83395**	1.66E-03	6.08E-05	**0.00172**
308788.97	3917470.62	8.20E-01	2.70E-02	**0.84650**	1.68E-03	6.20E-05	**0.00174**
308798.97	3917470.62	8.32E-01	2.75E-02	**0.85942**	1.71E-03	6.32E-05	**0.00177**
308808.97	3917470.62	8.45E-01	2.81E-02	**0.87277**	1.73E-03	6.45E-05	**0.00180**
308818.97	3917470.62	8.58E-01	2.86E-02	**0.88663**	1.76E-03	6.58E-05	**0.00183**
308838.97	3917470.62	8.86E-01	2.98E-02	**0.91550**	1.82E-03	6.85E-05	**0.00188**
308848.97	3917470.62	9.00E-01	3.05E-02	**0.93043**	1.85E-03	6.99E-05	**0.00192**
308858.97	3917470.62	9.15E-01	3.11E-02	**0.94562**	1.88E-03	7.14E-05	**0.00195**
308868.97	3917470.62	9.30E-01	3.18E-02	**0.96134**	1.91E-03	7.29E-05	**0.00198**
308888.97	3917470.62	9.61E-01	3.31E-02	**0.99416**	1.97E-03	7.61E-05	**0.00205**
308898.97	3917470.62	9.78E-01	3.38E-02	**1.01141**	2.00E-03	7.77E-05	**0.00208**
308908.97	3917470.62	9.95E-01	3.46E-02	**1.02915**	2.04E-03	7.94E-05	**0.00212**
308918.97	3917470.62	1.01E+00	3.53E-02	**1.04755**	2.08E-03	8.12E-05	**0.00216**
308938.97	3917470.62	1.05E+00	3.69E-02	**1.08600**	2.15E-03	8.48E-05	**0.00224**
308948.97	3917470.62	1.07E+00	3.77E-02	**1.10626**	2.19E-03	8.66E-05	**0.00228**
308758.97	3917480.62	7.86E-01	2.57E-02	**0.81206**	1.61E-03	5.90E-05	**0.00167**
308768.97	3917480.62	7.98E-01	2.62E-02	**0.82427**	1.64E-03	6.01E-05	**0.00170**
308778.97	3917480.62	8.10E-01	2.67E-02	**0.83680**	1.66E-03	6.12E-05	**0.00172**
308788.97	3917480.62	8.23E-01	2.72E-02	**0.84971**	1.69E-03	6.24E-05	**0.00175**
308798.97	3917480.62	8.35E-01	2.77E-02	**0.86290**	1.71E-03	6.37E-05	**0.00178**
308808.97	3917480.62	8.48E-01	2.83E-02	**0.87636**	1.74E-03	6.50E-05	**0.00180**
308818.97	3917480.62	8.61E-01	2.89E-02	**0.89001**	1.77E-03	6.63E-05	**0.00183**
308838.97	3917480.62	8.89E-01	3.01E-02	**0.91869**	1.82E-03	6.90E-05	**0.00189**
308848.97	3917480.62	9.03E-01	3.07E-02	**0.93373**	1.85E-03	7.05E-05	**0.00192**
308858.97	3917480.62	9.18E-01	3.13E-02	**0.94919**	1.88E-03	7.19E-05	**0.00195**
308868.97	3917480.62	9.33E-01	3.20E-02	**0.96502**	1.91E-03	7.35E-05	**0.00199**
308938.97	3917480.62	1.05E+00	3.72E-02	**1.09048**	2.16E-03	8.53E-05	**0.00225**
308948.97	3917480.62	1.07E+00	3.80E-02	**1.11083**	2.20E-03	8.72E-05	**0.00229**
308758.97	3917490.62	7.89E-01	2.58E-02	**0.81501**	1.62E-03	5.94E-05	**0.00168**
308768.97	3917490.62	8.01E-01	2.63E-02	**0.82714**	1.64E-03	6.05E-05	**0.00170**
308778.97	3917490.62	8.13E-01	2.69E-02	**0.83955**	1.67E-03	6.17E-05	**0.00173**
308788.97	3917490.62	8.25E-01	2.74E-02	**0.85233**	1.69E-03	6.29E-05	**0.00175**
308798.97	3917490.62	8.38E-01	2.79E-02	**0.86557**	1.72E-03	6.41E-05	**0.00178**
308808.97	3917490.62	8.51E-01	2.85E-02	**0.87919**	1.74E-03	6.54E-05	**0.00181**
308818.97	3917490.62	8.64E-01	2.91E-02	**0.89319**	1.77E-03	6.67E-05	**0.00184**
308838.97	3917490.62	8.92E-01	3.03E-02	**0.92230**	1.83E-03	6.95E-05	**0.00190**
308848.97	3917490.62	9.06E-01	3.09E-02	**0.93734**	1.86E-03	7.10E-05	**0.00193**
308858.97	3917490.62	9.21E-01	3.16E-02	**0.95287**	1.89E-03	7.25E-05	**0.00196**
308868.97	3917490.62	9.37E-01	3.22E-02	**0.96882**	1.92E-03	7.40E-05	**0.00199**
308878.97	3917490.62	9.52E-01	3.29E-02	**0.98523**	1.95E-03	7.56E-05	**0.00203**
308888.97	3917490.62	9.68E-01	3.36E-02	**1.00210**	1.99E-03	7.72E-05	**0.00206**
308898.97	3917490.62	9.85E-01	3.43E-02	**1.01958**	2.02E-03	7.89E-05	**0.00210**
308908.97	3917490.62	1.00E+00	3.51E-02	**1.03772**	2.06E-03	8.05E-05	**0.00214**
308918.97	3917490.62	1.02E+00	3.58E-02	**1.05654**	2.09E-03	8.23E-05	**0.00218**
308938.97	3917490.62	1.06E+00	3.74E-02	**1.09551**	2.17E-03	8.59E-05	**0.00226**
308948.97	3917490.62	1.08E+00	3.82E-02	**1.11583**	2.21E-03	8.78E-05	**0.00230**
308758.97	3917500.62	7.91E-01	2.60E-02	**0.81738**	1.62E-03	5.97E-05	**0.00168**
308768.97	3917500.62	8.03E-01	2.65E-02	**0.82972**	1.65E-03	6.09E-05	**0.00171**
308778.97	3917500.62	8.15E-01	2.70E-02	**0.84246**	1.67E-03	6.21E-05	**0.00173**
308788.97	3917500.62	8.28E-01	2.76E-02	**0.85546**	1.70E-03	6.33E-05	**0.00176**
308798.97	3917500.62	8.41E-01	2.81E-02	**0.86872**	1.72E-03	6.46E-05	**0.00179**
308808.97	3917500.62	8.54E-01	2.87E-02	**0.88228**	1.75E-03	6.59E-05	**0.00182**
308818.97	3917500.62	8.67E-01	2.93E-02	**0.89627**	1.78E-03	6.72E-05	**0.00185**
308838.97	3917500.62	8.95E-01	3.05E-02	**0.92560**	1.84E-03	7.01E-05	**0.00191**
308848.97	3917500.62	9.10E-01	3.12E-02	**0.94090**	1.87E-03	7.16E-05	**0.00194**
308858.97	3917500.62	9.25E-01	3.18E-02	**0.95654**	1.90E-03	7.31E-05	**0.00197**

308868.97	3917500.62	9.40E-01	3.25E-02	**0.97266**	1.93E-03	7.46E-05	**0.00200**
308878.97	3917500.62	9.56E-01	3.32E-02	**0.98928**	1.96E-03	7.62E-05	**0.00204**
308888.97	3917500.62	9.72E-01	3.39E-02	**1.00635**	1.99E-03	7.78E-05	**0.00207**
308898.97	3917500.62	9.89E-01	3.46E-02	**1.02391**	2.03E-03	7.95E-05	**0.00211**
308908.97	3917500.62	1.01E+00	3.53E-02	**1.04197**	2.06E-03	8.11E-05	**0.00215**
308918.97	3917500.62	1.02E+00	3.61E-02	**1.06060**	2.10E-03	8.29E-05	**0.00218**
308938.97	3917500.62	1.06E+00	3.77E-02	**1.10002**	2.18E-03	8.65E-05	**0.00227**
308948.97	3917500.62	1.08E+00	3.85E-02	**1.12080**	2.22E-03	8.83E-05	**0.00231**
308758.97	3917510.62	7.94E-01	2.62E-02	**0.81994**	1.63E-03	6.01E-05	**0.00169**
308768.97	3917510.62	8.06E-01	2.67E-02	**0.83221**	1.65E-03	6.13E-05	**0.00171**
308778.97	3917510.62	8.18E-01	2.72E-02	**0.84480**	1.68E-03	6.25E-05	**0.00174**
308788.97	3917510.62	8.30E-01	2.77E-02	**0.85786**	1.70E-03	6.37E-05	**0.00177**
308798.97	3917510.62	8.43E-01	2.83E-02	**0.87137**	1.73E-03	6.50E-05	**0.00179**
308808.97	3917510.62	8.56E-01	2.89E-02	**0.88530**	1.76E-03	6.64E-05	**0.00182**
308818.97	3917510.62	8.70E-01	2.95E-02	**0.89956**	1.78E-03	6.78E-05	**0.00185**
308838.97	3917510.62	8.98E-01	3.08E-02	**0.92898**	1.84E-03	7.07E-05	**0.00191**
308848.97	3917510.62	9.13E-01	3.14E-02	**0.94437**	1.87E-03	7.22E-05	**0.00194**
308858.97	3917510.62	9.28E-01	3.21E-02	**0.96019**	1.90E-03	7.37E-05	**0.00198**
308868.97	3917510.62	9.44E-01	3.28E-02	**0.97645**	1.94E-03	7.52E-05	**0.00201**
308878.97	3917510.62	9.60E-01	3.35E-02	**0.99310**	1.97E-03	7.68E-05	**0.00204**
308888.97	3917510.62	9.76E-01	3.42E-02	**1.01027**	2.00E-03	7.84E-05	**0.00208**
308898.97	3917510.62	9.93E-01	3.49E-02	**1.02810**	2.04E-03	8.01E-05	**0.00212**
308908.97	3917510.62	1.01E+00	3.56E-02	**1.04636**	2.07E-03	8.18E-05	**0.00215**
308918.97	3917510.62	1.03E+00	3.64E-02	**1.06516**	2.11E-03	8.35E-05	**0.00219**
308938.97	3917510.62	1.07E+00	3.79E-02	**1.10445**	2.19E-03	8.71E-05	**0.00227**
308948.97	3917510.62	1.09E+00	3.87E-02	**1.12531**	2.23E-03	8.90E-05	**0.00232**
308758.97	3917520.62	7.96E-01	2.63E-02	**0.82223**	1.63E-03	6.04E-05	**0.00169**
308768.97	3917520.62	8.08E-01	2.68E-02	**0.83477**	1.66E-03	6.16E-05	**0.00172**
308778.97	3917520.62	8.20E-01	2.74E-02	**0.84764**	1.68E-03	6.29E-05	**0.00174**
308788.97	3917520.62	8.33E-01	2.80E-02	**0.86081**	1.71E-03	6.42E-05	**0.00177**
308798.97	3917520.62	8.46E-01	2.85E-02	**0.87430**	1.73E-03	6.55E-05	**0.00180**
308808.97	3917520.62	8.59E-01	2.91E-02	**0.88822**	1.76E-03	6.69E-05	**0.00183**
308818.97	3917520.62	8.73E-01	2.98E-02	**0.90260**	1.79E-03	6.84E-05	**0.00186**
308838.97	3917520.62	9.02E-01	3.11E-02	**0.93259**	1.85E-03	7.13E-05	**0.00192**
308848.97	3917520.62	9.16E-01	3.17E-02	**0.94812**	1.88E-03	7.28E-05	**0.00195**
308858.97	3917520.62	9.32E-01	3.24E-02	**0.96397**	1.91E-03	7.44E-05	**0.00198**
308868.97	3917520.62	9.47E-01	3.31E-02	**0.98031**	1.94E-03	7.59E-05	**0.00202**
308878.97	3917520.62	9.63E-01	3.38E-02	**0.99709**	1.98E-03	7.75E-05	**0.00205**
308888.97	3917520.62	9.80E-01	3.45E-02	**1.01436**	2.01E-03	7.92E-05	**0.00209**
308898.97	3917520.62	9.97E-01	3.52E-02	**1.03205**	2.04E-03	8.08E-05	**0.00213**
308908.97	3917520.62	1.01E+00	3.59E-02	**1.05033**	2.08E-03	8.25E-05	**0.00216**
308918.97	3917520.62	1.03E+00	3.67E-02	**1.06936**	2.12E-03	8.42E-05	**0.00220**
308938.97	3917520.62	1.07E+00	3.82E-02	**1.10927**	2.20E-03	8.78E-05	**0.00228**
308948.97	3917520.62	1.09E+00	3.91E-02	**1.13006**	2.24E-03	8.97E-05	**0.00233**
308758.97	3917530.62	7.98E-01	2.65E-02	**0.82446**	1.64E-03	6.08E-05	**0.00170**
308768.97	3917530.62	8.10E-01	2.70E-02	**0.83698**	1.66E-03	6.20E-05	**0.00172**
308778.97	3917530.62	8.22E-01	2.76E-02	**0.85002**	1.69E-03	6.33E-05	**0.00175**
308788.97	3917530.62	8.35E-01	2.82E-02	**0.86351**	1.71E-03	6.47E-05	**0.00178**
308798.97	3917530.62	8.49E-01	2.88E-02	**0.87742**	1.74E-03	6.61E-05	**0.00181**
308808.97	3917530.62	8.62E-01	2.94E-02	**0.89163**	1.77E-03	6.76E-05	**0.00184**
308818.97	3917530.62	8.76E-01	3.01E-02	**0.90604**	1.80E-03	6.90E-05	**0.00187**
308838.97	3917530.62	9.05E-01	3.14E-02	**0.93596**	1.85E-03	7.21E-05	**0.00193**
308848.97	3917530.62	9.20E-01	3.21E-02	**0.95161**	1.89E-03	7.36E-05	**0.00196**
308858.97	3917530.62	9.35E-01	3.27E-02	**0.96768**	1.92E-03	7.52E-05	**0.00199**
308868.97	3917530.62	9.51E-01	3.34E-02	**0.98409**	1.95E-03	7.68E-05	**0.00203**
308878.97	3917530.62	9.67E-01	3.41E-02	**1.00099**	1.98E-03	7.84E-05	**0.00206**
308888.97	3917530.62	9.84E-01	3.48E-02	**1.01841**	2.02E-03	8.00E-05	**0.00210**
308898.97	3917530.62	1.00E+00	3.56E-02	**1.03629**	2.05E-03	8.16E-05	**0.00213**
308908.97	3917530.62	1.02E+00	3.63E-02	**1.05468**	2.09E-03	8.33E-05	**0.00217**
308918.97	3917530.62	1.04E+00	3.70E-02	**1.07362**	2.13E-03	8.51E-05	**0.00221**
308938.97	3917530.62	1.08E+00	3.86E-02	**1.11366**	2.20E-03	8.86E-05	**0.00229**
308948.97	3917530.62	1.10E+00	3.94E-02	**1.13485**	2.25E-03	9.05E-05	**0.00234**
308808.97	3917540.62	8.65E-01	2.98E-02	**0.89447**	1.77E-03	6.83E-05	**0.00184**
308818.97	3917540.62	8.79E-01	3.04E-02	**0.90930**	1.80E-03	6.99E-05	**0.00187**
308838.97	3917540.62	9.08E-01	3.18E-02	**0.93980**	1.86E-03	7.30E-05	**0.00194**

308848.97	3917540.62	9.23E-01	3.25E-02	**0.95544**	1.89E-03	7.46E-05	**0.00197**
308858.97	3917540.62	9.38E-01	3.32E-02	**0.97148**	1.92E-03	7.62E-05	**0.00200**
308868.97	3917540.62	9.54E-01	3.39E-02	**0.98797**	1.96E-03	7.77E-05	**0.00203**
308878.97	3917540.62	9.70E-01	3.46E-02	**1.00500**	1.99E-03	7.94E-05	**0.00207**
308888.97	3917540.62	9.87E-01	3.53E-02	**1.02239**	2.02E-03	8.10E-05	**0.00211**
308898.97	3917540.62	1.00E+00	3.60E-02	**1.04032**	2.06E-03	8.26E-05	**0.00214**
308908.97	3917540.62	1.02E+00	3.67E-02	**1.05893**	2.10E-03	8.43E-05	**0.00218**
308918.97	3917540.62	1.04E+00	3.75E-02	**1.07800**	2.13E-03	8.60E-05	**0.00222**
308938.97	3917540.62	1.08E+00	3.90E-02	**1.11808**	2.21E-03	8.96E-05	**0.00230**
308948.97	3917540.62	1.10E+00	3.98E-02	**1.13926**	2.25E-03	9.15E-05	**0.00235**
308808.97	3917550.62	8.68E-01	3.02E-02	**0.89823**	1.78E-03	6.94E-05	**0.00185**
308818.97	3917550.62	8.82E-01	3.09E-02	**0.91284**	1.81E-03	7.10E-05	**0.00188**
308838.97	3917550.62	9.11E-01	3.23E-02	**0.94341**	1.87E-03	7.42E-05	**0.00194**
308848.97	3917550.62	9.26E-01	3.30E-02	**0.95942**	1.90E-03	7.58E-05	**0.00198**
308858.97	3917550.62	9.42E-01	3.37E-02	**0.97567**	1.93E-03	7.74E-05	**0.00201**
308868.97	3917550.62	9.58E-01	3.44E-02	**0.99221**	1.96E-03	7.90E-05	**0.00204**
308878.97	3917550.62	9.74E-01	3.51E-02	**1.00914**	2.00E-03	8.06E-05	**0.00208**
308888.97	3917550.62	9.91E-01	3.58E-02	**1.02655**	2.03E-03	8.22E-05	**0.00211**
308898.97	3917550.62	1.01E+00	3.65E-02	**1.04461**	2.07E-03	8.39E-05	**0.00215**
308908.97	3917550.62	1.03E+00	3.73E-02	**1.06317**	2.10E-03	8.55E-05	**0.00219**
308918.97	3917550.62	1.04E+00	3.80E-02	**1.08236**	2.14E-03	8.73E-05	**0.00223**
308938.97	3917550.62	1.08E+00	3.96E-02	**1.12281**	2.22E-03	9.08E-05	**0.00231**
308948.97	3917550.62	1.10E+00	4.04E-02	**1.14404**	2.26E-03	9.27E-05	**0.00236**
308808.97	3917560.62	8.71E-01	3.08E-02	**0.90225**	1.79E-03	7.07E-05	**0.00186**
308818.97	3917560.62	8.86E-01	3.15E-02	**0.91745**	1.82E-03	7.24E-05	**0.00189**
308838.97	3917560.62	9.15E-01	3.30E-02	**0.94800**	1.88E-03	7.57E-05	**0.00195**
308848.97	3917560.62	9.30E-01	3.37E-02	**0.96366**	1.91E-03	7.73E-05	**0.00198**
308858.97	3917560.62	9.45E-01	3.44E-02	**0.97985**	1.94E-03	7.89E-05	**0.00202**
308868.97	3917560.62	9.62E-01	3.51E-02	**0.99660**	1.97E-03	8.05E-05	**0.00205**
308878.97	3917560.62	9.78E-01	3.58E-02	**1.01379**	2.01E-03	8.21E-05	**0.00209**
308938.97	3917560.62	1.09E+00	4.02E-02	**1.12753**	2.23E-03	9.24E-05	**0.00232**
308948.97	3917560.62	1.11E+00	4.10E-02	**1.14897**	2.27E-03	9.42E-05	**0.00237**
308808.97	3917570.62	8.76E-01	3.16E-02	**0.90713**	1.80E-03	7.26E-05	**0.00187**
308818.97	3917570.62	8.90E-01	3.24E-02	**0.92201**	1.82E-03	7.43E-05	**0.00190**
308838.97	3917570.62	9.19E-01	3.38E-02	**0.95314**	1.89E-03	7.77E-05	**0.00196**
308848.97	3917570.62	9.35E-01	3.45E-02	**0.96927**	1.92E-03	7.93E-05	**0.00200**
308858.97	3917570.62	9.50E-01	3.52E-02	**0.98549**	1.95E-03	8.09E-05	**0.00203**
308868.97	3917570.62	9.66E-01	3.59E-02	**1.00198**	1.98E-03	8.25E-05	**0.00206**
308878.97	3917570.62	9.82E-01	3.67E-02	**1.01891**	2.01E-03	8.42E-05	**0.00210**
308938.97	3917570.62	1.09E+00	4.01E-02	**1.12823**	2.23E-03	9.21E-05	**0.00232**
308948.97	3917570.62	1.11E+00	4.06E-02	**1.14789**	2.27E-03	9.32E-05	**0.00236**
308868.97	3917580.62	9.66E-01	3.56E-02	**1.00116**	1.98E-03	8.17E-05	**0.00206**
308878.97	3917580.62	9.80E-01	3.59E-02	**1.01621**	2.01E-03	8.23E-05	**0.00209**
308880.66	3917999.48	7.02E-01	2.87E-02	**0.73030**	1.44E-03	6.59E-05	**0.00150**
308899.6	3917993.17	7.18E-01	2.95E-02	**0.74745**	1.47E-03	6.77E-05	**0.00154**
308916.74	3917994.97	7.25E-01	3.01E-02	**0.75525**	1.49E-03	6.91E-05	**0.00156**
308930.26	3918002.19	7.24E-01	3.05E-02	**0.75443**	1.48E-03	6.99E-05	**0.00155**
308942.89	3918005.79	7.26E-01	3.08E-02	**0.75719**	1.49E-03	7.08E-05	**0.00156**
308962.73	3918009.4	7.32E-01	3.15E-02	**0.76329**	1.50E-03	7.23E-05	**0.00157**
308978.07	3918012.11	7.36E-01	3.20E-02	**0.76807**	1.51E-03	7.34E-05	**0.00158**
309000.61	3918017.52	7.40E-01	3.26E-02	**0.77252**	1.52E-03	7.50E-05	**0.00159**
309058.33	3918014.81	7.69E-01	3.48E-02	**0.80355**	1.58E-03	7.99E-05	**0.00166**
309088.1	3918016.62	7.78E-01	3.58E-02	**0.81386**	1.60E-03	8.21E-05	**0.00168**
309139.5	3918013.91	8.01E-01	3.75E-02	**0.83892**	1.64E-03	8.61E-05	**0.00173**
309199.93	3917986.85	8.72E-01	4.08E-02	**0.91298**	1.79E-03	9.37E-05	**0.00188**
309254.04	3917983.25	8.98E-01	4.23E-02	**0.94070**	1.84E-03	9.72E-05	**0.00194**
309291.92	3917983.25	9.09E-01	4.29E-02	**0.95213**	1.86E-03	9.84E-05	**0.00196**
309336.12	3917988.66	9.05E-01	4.26E-02	**0.94715**	1.85E-03	9.78E-05	**0.00195**
309363.17	3917989.56	9.04E-01	4.24E-02	**0.94606**	1.85E-03	9.73E-05	**0.00195**
309426.81	3917993.1	8.85E-01	4.10E-02	**0.92549**	1.81E-03	9.41E-05	**0.00191**
309454.3	3917999.38	8.55E-01	3.96E-02	**0.89469**	1.75E-03	9.09E-05	**0.00184**
309511.26	3918008.32	7.91E-01	3.67E-02	**0.82749**	1.62E-03	8.43E-05	**0.00171**
309539.51	3918027.62	7.16E-01	3.39E-02	**0.74948**	1.47E-03	7.78E-05	**0.00155**
309131.94	3917360.12	1.46E+00	5.55E-02	**1.51487**	2.99E-03	1.27E-04	**0.00312**
309109.35	3917304.34	1.34E+00	4.78E-02	**1.38392**	2.74E-03	1.10E-04	**0.00285**

	Daily Trips	Trip Distance (miles/trips)	Daily VMT	Total Days	Total Trips	Total VMT
Phase 1						
Site Preparation						
Vendor	2	7.37	14.74	5	10	74
Haul	0	20	0	5	0	0
Rough Grading						
Vendor	10	7.37	73.7	10	100	737
Haul	0	20	0	10	0	0
Fine Grading						
Vendor	2	7.37	14.74	15	30	221
Haul	0	20	0	15	0	0
Building Demolition						
Vendor	52	7.37	383.24	196	10,192	75,115
Haul	0	20	0	196	0	0
Paving						
Vendor	24	7.37	176.88	10	240	1,769
Haul	0	20	0	10	0	0
Architectural Coating						
Vendor	0	7.37	0	55	0	0
Haul	0	20	0	55	0	0
Utility Trenching						
Vendor	2	7.37	14.74	45	90	663
Haul	0	20	0	45	0	0
Utility Trenching						
Vendor	2	7.37	14.74	65	130	958
Haul	0	20	0	65	0	0
Traffic Signal						
Utility Trenching						
Vendor	2	10.6	21.2	20	40	424
Haul	0	20	0	20	0	0
Traffic Signal Install						
Vendor	2	10.6	21.2	20	40	424
Haul	0	20	0	20	0	0
Left Turn Lane						
Demolition						
Vendor	0	7.37	0	5	0	0
Haul	29	20	580	5	145	2,900
Site Preparation						
Vendor	2	7.37	14.74	5	10	74
Haul	0	20	0	5	0	0
Rough Grading						
Vendor	2	7.37	14.74	10	20	147
Haul	0	20	0	10	0	0
Fine Grading						
Vendor	2	7.37	14.74	5	10	74
Haul	0	20	0	5	0	0
Paving						
Vendor	8	7.37	58.96	5	40	295
Haul	0	20	0	5	0	0
Architectural Coating						
Vendor	0	7.37	0	1	0	0
Haul	0	20	0	1	0	0
				Year 2026	11,097	83,875

	Daily Trips	Trip Distance (miles/trips)	Daily VMT	Total Days	Total Trips	Total VMT
Phase 2						
Site Preparation						
Vendor	2	7.37	14.74	5	10	74
Haul	0	20	0	5	0	0
Rough Grading						
Vendor	10	7.37	73.7	10	100	737

Haul	0	20	0	10	0	0
Fine Grading						
Vendor	2	7.37	14.74	10	20	147
Haul	0	20	0	10	0	0
Building Demolition						
Vendor	15	7.37	110.55	135	2,025	14,924
Haul	0	20	0	135	0	0
Paving						
Vendor	16	7.37	117.92	5	80	590
Haul	0	20	0	5	0	0
Architectural Coating						
Vendor	0	7.37	0	20	0	0
Haul	0	20	0	20	0	0
Utility Trenching						
Vendor	2	7.37	14.74	20	40	295
Haul	0	20	0	20	0	0
Utility Trenching						
Vendor	2	7.37	14.74	35	70	516
Haul	0	20	0	35	0	0
				Total 2027	2,345	17,283

Average Daily Emissions and Emission Rates: Unmitigated

Year	Start Date	End Date	Workdays
2026	3/16/2026	12/28/2026	206
2027	1/4/2027	7/23/2027	145

Year	Start Date	End Date	Workdays
2026	1/1/2026	12/31/2026	261
2027	1/1/2027	12/31/2027	261

Onsite Construction PM10 Exhaust Emissions[1]

Phases	Year	Annual PM10 Exhaust Emissions (Tons/Year)	Annual PM10 Exhaust Emissions (lbs/Year)	# of Construction Days/Year	Average Daily Emissions (lbs/day)	Average Daily Emissions (lbs/hr)	Emission Rate (g/s)	# of Total Workdays/ Year	Construction Duration (Yr)[2]
	2026	0.025316106	50.63	206	0.25	3.07E-02	3.87E-03	261	0.79
	2027	0.013687985	27.38	145	0.19	2.36E-02	2.97E-03	261	0.56
				351					**1.34**

Offsite Construction PM10 Exhaust Emissions[1]

Year	Annual PM10 Exhaust Emissions (Tons/Year)	Annual PM10 Exhaust Emissions (lbs/Year)	# of Construction Days/Year	Average Daily Emissions (lbs/day)	Hauling Emissions w/in 1,000 ft (lbs/day)[3]	Emission Rate (lbs/hr)	Emission Rate (g/s)
2026	0.0019	3.74	206	1.82E-02	4.30E-03	5.37E-04	6.77E-05
2027	0.0004	0.75	145	5.18E-03	1.26E-03	1.57E-04	1.98E-05

Note: Emissions evenly distributed over 246 modeled volume sources.

	2026	2027	2028	2029	2030	2031	2032	2033
Total Trips	11,097	2,345						
Total Haul and Vendor Trip Miles	83,875	17,283						
Haul Length within 1,000 ft of Site (mile)[4]	1.79	1.79						
Total Miles Traveled within 1,000 ft of Site	19,843	4,193	0	0	0	0	0	0
Hours per work day (7:00 AM to 4:00 PM, 1-hour of breaks)[5]	8	8	8	8	8	8	8	8

[1] Emissions from CalEEMod offsite average daily emissions, which is based on proportioned haul truck trip distances, are adjusted to evaluate emissions from the 1.79-mile route within 1,000 of the project site.

[2] Work hours applied in By Hour/Day (HRDOW) variable emissions module in air dispersion model (see App B - Air Dispersion Model Output Files).

Annual Construction Emissions

Phase 1: Site Preparation

		ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2026**										
Off-Road Equipment		0.00025223	0.0025829	0.0047704	6.705E-06	8.6974E-05		8.6974E-05	8.0016E-05		8.0016E-05
st From Material Movement							0	0		0	0
Onsite Truck		1.95178E-06	4.268E-05	2.967E-05	7.79E-08	6.82E-08	0.00144319	0.00144326	6.82E-08	0.000144076	0.00014414
Total		**0.000254182**	**0.0026255**	**0.0048**	**6.783E-06**	**8.7043E-05**	**0.00144319**	**0.00153023**	**8.0085E-05**	**0.000144076**	**0.00022416**
Offsite											
Worker		0.00010852	8.754E-05	0.001089	0	0	0.0002313	0.0002313	0	5.41742E-05	5.4174E-05
Vendor		4.16012E-06	0.0001464	5.221E-05	8.12E-07	1.6248E-06	3.0609E-05	3.2234E-06	1.6248E-06	8.46474E-06	1.009E-05
Hauling		0	0	0	0	0	0	0	0	0	0
Total		**0.00011268**	**0.000234**	**0.0011412**	**8.124E-07**	**1.6248E-06**	**0.00026191**	**0.00026353**	**1.6248E-06**	**6.26389E-05**	**6.4264E-05**
TOTAL		***0.0004***	***0.0029***	***0.0059***	***0.0000***	***0.0001***	***0.0017***	***0.0018***	***0.0001***	***0.0002***	***0.0003***

Phase 1: Rough Grading

		ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2026**										
Off-Road Equipment		0.007525318	0.0674972	0.0646567	0.0001883	0.00260474		0.00260474	0.00239636		0.00239636
st From Material Movement							0.010605004	0.010605		0.001145092	0.00114509
Onsite Truck		4.03997E-06	0.0001059	6.112E-05	2.921E-07	5.4564E-07	0.011545521	0.01154607	5.4564E-07	0.001152607	0.00115315
Total		**0.007529358**	**0.0676032**	**0.0647179**	**0.0001886**	**0.00260529**	**0.02215053**	**0.02475581**	**0.00239691**	**0.002297698**	**0.00469461**
Offsite											
Worker		0.000361734	0.0002918	0.0036299	0	0	0.000771	0.000771	0	0.000180581	0.00018058
Vendor		4.16012E-05	0.0014645	0.0005221	8.124E-06	1.6248E-05	0.00030609	0.00032234	1.6248E-05	8.46474E-05	0.0001009
Hauling		0	0	0	0	0	0	0	0	0	0
Total		**0.000403336**	**0.0017563**	**0.004152**	**8.124E-06**	**1.6248E-05**	**0.00107709**	**0.00109334**	**1.6248E-05**	**0.000265228**	**0.00028148**
TOTAL		***0.0079***	***0.0694***	***0.0689***	***0.0002***	***0.0026***	***0.0232***	***0.0258***	***0.0024***	***0.0026***	***0.0050***

Phase 1: Fine Grading

		ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2026**										
Off-Road Equipment		0.004025055	0.035785	0.0558913	7.956E-05	0.0016489		0.0016489	0.00151699		0.00151699
st From Material Movement							0.003976876	0.00397688		0.000429409	0.00042941
Onsite Truck		5.85534E-06	0.000128	8.902E-05	2.336E-07	2.0462E-07	0.004329571	0.00432978	2.0462E-07	0.000432227	0.00043243
Total		**0.00403091**	**0.035913**	**0.0559803**	**7.979E-05**	**0.0016491**	**0.00830645**	**0.00995555**	**0.00151719**	**0.000861637**	**0.00237883**
Offsite											
Worker		0.000325561	0.0002626	0.0032669	0	0	0.0006939	0.0006939	0	0.000162523	0.00016252
Vendor		1.24804E-05	0.0004393	0.0001566	2.437E-06	4.8744E-06	9.1828E-05	9.6703E-05	4.8744E-06	2.53942E-05	3.0269E-05
Hauling		0	0	0	0	0	0	0	0	0	0
Total		**0.000338041**	**0.000702**	**0.0034235**	**2.437E-06**	**4.8744E-06**	**0.00078573**	**0.0007906**	**4.8744E-06**	**0.000187917**	**0.00019279**
TOTAL		***0.0044***	***0.0366***	***0.0594***	***0.0001***	***0.0017***	***0.0091***	***0.0107***	***0.0015***	***0.0010***	***0.0026***

Phase 1: Building Construction

		ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2026**										
Off-Road Equipment		0.040229797	0.3379251	0.4148678	0.0006808	0.01287376		0.01287376	0.01184386		0.01184386
Onsite Truck		0	0	0	0	0	0	0	0	0	0
Total		**0.040229797**	**0.3379251**	**0.4148678**	**0.0006808**	**0.01287376**	**0**	**0.01287376**	**0.01184386**	**0**	**0.01184386**
Offsite											
Worker		0.042539975	0.0343161	0.4268724	0	0	0.09066968	0.09066968	0	0.021236284	0.02123628
Vendor		0.004217444	0.1484654	0.0529315	0.0008236	0.00164719	0.03103112	0.03267831	0.00164719	0.008581376	0.01022857
Hauling		0	0	0	0	0	0	0	0	0	0
Total		**0.046757418**	**0.1827815**	**0.4798039**	**0.0008236**	**0.00164719**	**0.12170079**	**0.12334799**	**0.00164719**	**0.02981766**	**0.03146485**
TOTAL		***0.0870***	***0.5207***	***0.8947***	***0.0015***	***0.0145***	***0.1217***	***0.1362***	***0.0135***	***0.0298***	***0.0433***

Phase 1: Asphalt Paving

		ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2026**										
Off-Road Equipment		0.002523728	0.0214855	0.0297087	4.104E-05	0.00093234		0.00093234	0.00085775		0.00085775
Paving		0.034936567									
Onsite Truck		0	0	0	0	0	0	0	0	0	0
Total		**0.037460296**	**0.0214855**	**0.0297087**	**4.104E-05**	**0.00093234**	**0**	**0.00093234**	**0.00085775**	**0**	**0.00085775**
Offsite											
Worker		0.000578775	0.0004669	0.0058078	0	0	0.0012336	0.0012336	0	0.000288929	0.00028893
Vendor		9.98429E-05	0.0035147	0.0012531	1.95E-05	3.8995E-05	0.00073462	0.00077362	3.8995E-05	0.000203154	0.00024215
Hauling		0	0	0	0	0	0	0	0	0	0
Total		**0.000678618**	**0.0039816**	**0.0070609**	**1.95E-05**	**3.8995E-05**	**0.00196823**	**0.00200722**	**3.8995E-05**	**0.000492083**	**0.00053108**
TOTAL		***0.0381***	***0.0255***	***0.0368***	***0.0001***	***0.0010***	***0.0020***	***0.0029***	***0.0009***	***0.0005***	***0.0014***

Phase 1: Architectural Coating

		ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2026**										
Off-Road Equipment		0.003308485	0.0235524	0.0311528	4.746E-05	0.00063672		0.00063672	0.00058578		0.00058578
Architectural Coatings		0.911541073									
Onsite truck		0	0	0	0	0	0	0	0	0	0
Total		**0.914849557**	**0.0235524**	**0.0311528**	**4.746E-05**	**0.00063672**	**0**	**0.00063672**	**0.00058578**	**0**	**0.00058578**
Offsite											
Worker		0.002122289	0.001712	0.0212964	0	0	0.00452345	0.00452345	0	0.001059463	0.00105946
Vendor		0	0	0	0	0	0	0	0	0	0
Hauling		0	0	0	0	0	0	0	0	0	0
Total		**0.002122289**	**0.001712**	**0.0212964**	**0**	**0**	**0.00452345**	**0.00452345**	**0**	**0.001059463**	**0.00105946**
TOTAL		***0.9170***	***0.0253***	***0.0524***	***0.0000***	***0.0006***	***0.0045***	***0.0052***	***0.0006***	***0.0011***	***0.0016***

Phase 1: Utility Trenching

		ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2026**										
Off-Road Equipment		0.008808896	0.0834814	0.1316935	0.0001795	0.00263603		0.00263603	0.00242515		0.00242515
Onsite Truck		0	0	0	0	0	0	0	0	0	0
Total		**0.008808896**	**0.0834814**	**0.1316935**	**0.0001795**	**0.00263603**	**0**	**0.00263603**	**0.00242515**	**0**	**0.00242515**
Offsite											
Worker		0.002930049	0.0023636	0.0294019	0	0	0.00624511	0.00624511	0	0.001462703	0.0014627
Vendor		3.74411E-05	0.001318	0.0004699	7.312E-06	1.4623E-05	0.00027548	0.00029011	1.4623E-05	7.61827E-05	9.0806E-05
Hauling		0	0	0	0	0	0	0	0	0	0
Total		**0.00296749**	**0.0036816**	**0.0298718**	**7.312E-06**	**1.4623E-05**	**0.00652059**	**0.00653521**	**1.4623E-05**	**0.001538886**	**0.00155351**
TOTAL		***0.0118***	***0.0872***	***0.1616***	***0.0002***	***0.0027***	***0.0065***	***0.0092***	***0.0024***	***0.0015***	***0.0040***

Phase 1: Finishing Landscaping

		ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2026**										
Off-Road Equipment		0.005293954	0.0607908	0.1108706	0.0001607	0.00190513		0.00190513	0.00175272		0.00175272
Onsite Truck		0	0	0	0	0	0	0	0	0	0
Total		**0.005293954**	**0.0607908**	**0.1108706**	**0.0001607**	**0.00190513**	**0**	**0.00190513**	**0.00175272**	**0**	**0.00175272**
Offsite											
Worker		0.004702548	0.0037935	0.0471883	0	0	0.01002301	0.01002301	0	0.002347548	0.00234755
Vendor		5.40816E-05	0.0019038	0.0006788	1.056E-05	2.1122E-05	0.00039792	0.00041904	2.1122E-05	0.000110042	0.00013116
Hauling		0	0	0	0	0	0	0	0	0	0
Total		**0.00475663**	**0.0056973**	**0.047867**	**1.056E-05**	**2.1122E-05**	**0.01042093**	**0.01044205**	**2.1122E-05**	**0.00245759**	**0.00247871**
TOTAL		***0.0101***	***0.0665***	***0.1587***	***0.0002***	***0.0019***	***0.0104***	***0.0123***	***0.0018***	***0.0025***	***0.0042***

Phase 2: Site Preparation

		ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2027**										
Off-Road Equipment		0.000242787	0.0024768	0.0047787	6.704E-06	7.4556E-05		7.4556E-05	6.8591E-05		6.8591E-05
st From Material Movement							0	0		0	0
Onsite Truck		1.95178E-06	4.236E-05	2.959E-05	7.79E-08	6.82E-08	0.00144319	0.00144326	6.82E-08	0.000144076	0.00014414
Total		**0.000244739**	**0.0025192**	**0.0048083**	**6.782E-06**	**7.4624E-05**	**0.00144319**	**0.00151781**	**6.866E-05**	**0.000144076**	**0.00021274**
Offsite											
Worker		0.000102568	7.892E-05	0.0010041	0	0	0.0002313	0.0002313	0	5.41742E-05	5.4174E-05
Vendor		4.16012E-06	0.0001411	5.026E-05	8.12E-07	1.6248E-06	3.0609E-05	3.2234E-05	1.6248E-06	8.46474E-06	1.009E-05
Hauling		0	0	0	0	0	0	0	0	0	0
Total		**0.000106728**	**0.00022**	**0.0010543**	**8.124E-07**	**1.6248E-06**	**0.00026191**	**0.00026353**	**1.6248E-06**	**6.26389E-05**	**6.4264E-05**
TOTAL		***0.0004***	***0.0027***	***0.0059***	***0.0000***	***0.0001***	***0.0017***	***0.0018***	***0.0001***	***0.0002***	***0.0003***

Phase 2: Rough Grading

		ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2027**										
Off-Road Equipment		0.007310342	0.0625856	0.0640649	0.0001883	0.00241809		0.00241809	0.00222464		0.00222464
st From Material Movement							0.010605004	0.010605		0.001145092	0.00114509
Onsite Truck		4.03997E-06	0.0001048	6.083E-05	2.92E-07	5.46E-07	0.011545521	0.01154607	5.46E-07	0.001152607	0.00115315
Total		**0.007314382**	**0.0626903**	**0.0641257**	**0.0001886**	**0.00241863**	**0.02215053**	**0.02456916**	**0.00222519**	**0.002297698**	**0.00452288**
Offsite											
Worker		0.000341893	0.0002631	0.0033469	0	0	0.000771	0.000771	0	0.000180581	0.00018058
Vendor		4.16012E-05	0.0014113	0.0005026	8.124E-06	1.6248E-05	0.00030609	0.00032234	1.6248E-05	8.46474E-05	0.0001009
Hauling		0	0	0	0	0	0	0	0	0	0
Total		**0.000383494**	**0.0016744**	**0.0038494**	**8.124E-06**	**1.6248E-05**	**0.00107709**	**0.00109334**	**1.6248E-05**	**0.000265228**	**0.00028148**
TOTAL		***0.0077***	***0.0644***	***0.0680***	***0.0002***	***0.0024***	***0.0232***	***0.0257***	***0.0022***	***0.0026***	***0.0048***

Phase 2: Fine Grading

		ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2027**										
Off-Road Equipment		0.002551565	0.0221293	0.0373387	5.306E-05	0.00097806		0.00097806	0.00089981		0.00089981
st From Material Movement							0.002651251	0.00265125		0.000286273	0.00028627
Onsite Truck		3.90356E-06	8.473E-05	5.919E-05	1.56E-07	1.36E-07	0.00288638	0.00288652	1.36E-07	0.000288152	0.00028829
Total		**0.002555469**	**0.022214**	**0.0373979**	**5.322E-05**	**0.00097819**	**0.00553763**	**0.00651582**	**0.00089995**	**0.000574425**	**0.00147437**
Offsite											
Worker		0.000170946	0.0001315	0.0016734	0	0	0.0003855	0.0003855	0	9.02903E-05	9.029E-05
Vendor		8.32025E-06	0.0002823	0.0001005	1.625E-06	3.2496E-06	6.1219E-05	6.4468E-05	3.2496E-06	1.69295E-05	2.0179E-05
Hauling		0	0	0	0	0	0	0	0	0	0
Total		**0.000179267**	**0.0004138**	**0.001774**	**1.625E-06**	**3.2496E-06**	**0.00044672**	**0.00044997**	**3.2496E-06**	**0.00010722**	**0.00011047**
TOTAL		***0.0027***	***0.0226***	***0.0392***	***0.0001***	***0.0010***	***0.0060***	***0.0070***	***0.0009***	***0.0007***	***0.0016***

Phase 2: Building Construction

		ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2027**										
Off-Road Equipment		0.026269242	0.2225542	0.2844171	0.0004689	0.0076712		0.0076712	0.00705751		0.00705751
Onsite Truck		0	0	0	0	0	0	0	0	0	0
Total		**0.026269242**	**0.2225542**	**0.2844171**	**0.0004689**	**0.0076712**	**0**	**0.0076712**	**0.00705751**	**0**	**0.00705751**
Offsite											
Worker		0.027693323	0.0213075	0.2710974	0	0	0.06245105	0.06245105	0	0.014627033	0.01462703
Vendor		0.000827999	0.0280899	0.0100027	0.0001617	0.00032339	0.00609225	0.00641564	0.00032339	0.001684757	0.00200815
Hauling		0	0	0	0	0	0	0	0	0	0
Total		**0.028521322**	**0.0493974**	**0.2811001**	**0.0001617**	**0.00032339**	**0.06854331**	**0.06886669**	**0.00032339**	**0.01631179**	**0.01663518**
TOTAL		***0.0548***	***0.2720***	***0.5655***	***0.0006***	***0.0080***	***0.0685***	***0.0765***	***0.0074***	***0.0163***	***0.0237***

Phase 2: Asphalt Paving

		ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2027**										
Off-Road Equipment		0.001224352	0.0104669	0.0148887	2.052E-05	0.00042984		0.00042984	0.00039545		0.00039545
Paving		0.009752031									
Onsite Truck		0	0	0	0	0	0	0	0	0	0
Total		**0.010976383**	**0.0104669**	**0.0148887**	**2.052E-05**	**0.00042984**	**0**	**0.00042984**	**0.00039545**	**0**	**0.00039545**
Offsite											
Worker		0.000273514	0.0002104	0.0026775	0	0	0.0006168	0.0006168	0	0.000144465	0.00014446
Vendor		3.3281E-05	0.0011291	0.0004021	6.499E-06	1.2998E-05	0.00024487	0.00025787	1.2998E-05	6.77179E-05	8.0716E-05
Hauling		0	0	0	0	0	0	0	0	0	0
Total		**0.000306795**	**0.0013395**	**0.0030796**	**6.499E-06**	**1.2998E-05**	**0.00086168**	**0.00087467**	**1.2998E-05**	**0.000212182**	**0.00022518**
TOTAL		***0.0113***	***0.0118***	***0.0180***	***0.0000***	***0.0004***	***0.0009***	***0.0013***	***0.0004***	***0.0002***	***0.0006***

Phase 2: Architectural Coating

		ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2027**										
Off-Road Equipment		0.001133485	0.0083116	0.0112539	1.726E-05	0.00019049		0.00019049	0.00017525		0.00017525
Architectural Coatings		0.253626967									
Onsite truck		0	0	0	0	0	0	0	0	0	0
Total		**0.254760451**	**0.0083116**	**0.0112539**	**1.726E-05**	**0.00019049**	**0**	**0.00019049**	**0.00017525**	**0**	**0.00017525**
Offsite											
Worker		0.000196825	0.0001514	0.0019268	0	0	0.00044386	0.00044386	0	0.000103959	0.00010396
Vendor		0	0	0	0	0	0	0	0	0	0
Hauling		0	0	0	0	0	0	0	0	0	0
Total		**0.000196825**	**0.0001514**	**0.0019268**	**0**	**0**	**0.00044386**	**0.00044386**	**0**	**0.000103959**	**0.00010396**
TOTAL		***0.2550***	***0.0085***	***0.0132***	***0.0000***	***0.0002***	***0.0004***	***0.0006***	***0.0002***	***0.0001***	***0.0003***

Phase 2: Utility Trenching

		ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2027**										
Off-Road Equipment		0.003766784	0.0360621	0.0585759	7.979E-05	0.00102491		0.00102491	0.00094292		0.00094292
Onsite Truck		0	0	0	0	0	0	0	0	0	0
Total		**0.003766784**	**0.0360621**	**0.0585759**	**7.979E-05**	**0.00102491**	**0**	**0.00102491**	**0.00094292**	**0**	**0.00094292**
Offsite											
Worker		0.000820543	0.0006313	0.0080325	0	0	0.0018504	0.0018504	0	0.000433394	0.00043339
Vendor		1.66405E-05	0.0005645	0.000201	3.25E-06	6.4992E-06	0.00012244	0.00012894	6.4992E-06	3.3859E-05	4.0358E-05
Hauling		0	0	0	0	0	0	0	0	0	0
Total		**0.000837183**	**0.0011959**	**0.0082335**	**3.25E-06**	**6.4992E-06**	**0.00197284**	**0.00197934**	**6.4992E-06**	**0.000467253**	**0.00047375**
TOTAL		***0.0046***	***0.0373***	***0.0668***	***0.0001***	***0.0010***	***0.0020***	***0.0030***	***0.0009***	***0.0005***	***0.0014***

Phase 2: Finishing Landscaping

		ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2027**										
Off-Road Equipment		0.002749319	0.0315516	0.0597491	8.653E-05	0.00090009		0.00090009	0.00082809		0.00082809
Onsite Truck		0	0	0	0	0	0	0	0	0	0
Total		**0.002749319**	**0.0315516**	**0.0597491**	**8.653E-05**	**0.00090009**	**0**	**0.00090009**	**0.00082809**	**0**	**0.00082809**
Offsite											
Worker		0.001794938	0.001381	0.0175711	0	0	0.00404775	0.00404775	0	0.000948048	0.00094805
Vendor		2.91209E-05	0.0009879	0.0003518	5.687E-06	1.1374E-05	0.00021427	0.00022564	1.1374E-05	5.92532E-05	7.0627E-05
Hauling		0	0	0	0	0	0	0	0	0	0
Total		**0.001824058**	**0.002369**	**0.0179229**	**5.687E-06**	**1.1374E-05**	**0.00426202**	**0.00427339**	**1.1374E-05**	**0.001007302**	**0.00101868**
TOTAL		***0.0046***	***0.0339***	***0.0777***	***0.0001***	***0.0009***	***0.0043***	***0.0052***	***0.0008***	***0.0010***	***0.0018***

Left Turn Lane: Demolition

		ROG	NOx	CO	SO2	Exhaust PM10	Fugitive PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total
Onsite	**2026**										
Off-Road Equipment		0.000533342	0.0059676	0.0109137	1.571E-05	0.00019004		0.00019004	0.00017483		0.00017483
Demolition							0.006247891	0.00624789		0.000946109	0.00094611
Onsite Truck		0	0	0	0	0	0	0	0	0	0
Total		**0.000533342**	**0.0059676**	**0.0109137**	**1.571E-05**	**0.00019004**	**0.00624789**	**0.00643793**	**0.00017483**	**0.000946109**	**0.00112094**

Construction Year 1

Year	Onsite Emission Rate (g/s)	Offsite Emission Rate (g/s)
Year 1	3.87E-03	6.77E-05
Year 2	2.97E-03	1.98E-05

Receptor		AERMOD Pollutant		Emission Rates		Calculated Pollutant Concentration		
X	Y	On-site Concentration (ug/m3)	Off-site Concentration (ug/m3)	On-site Emission Rate (g/s)	Off-site Emission Rate (g/s)	On-site Concentration (ug/m3)	Off-site Concentration (ug/m3)	Total Concentration (ug/m3)
309205.37	3917534.6	6.8728	1.62485	3.87E-03	6.77E-05	2.66E-02	1.10E-04	2.67E-02
309128.13	3917544.38	4.56953	1.83806	3.87E-03	6.77E-05	1.77E-02	1.24E-04	1.78E-02
309126.28	3917515.4	4.53927	1.17107	3.87E-03	6.77E-05	1.76E-02	7.93E-05	1.77E-02
309126.9	3917484.57	4.51203	0.80853	3.87E-03	6.77E-05	1.75E-02	5.47E-05	1.75E-02
309109.63	3917481.49	4.17556	0.77105	3.87E-03	6.77E-05	1.62E-02	5.22E-05	1.62E-02
309109.63	3917515.4	4.25962	1.15702	3.87E-03	6.77E-05	1.65E-02	7.83E-05	1.66E-02
309109.63	3917544.38	4.28011	1.81391	3.87E-03	6.77E-05	1.66E-02	1.23E-04	1.67E-02
309057.22	3917531.43	3.64872	1.40212	3.87E-03	6.77E-05	1.41E-02	9.49E-05	1.42E-02
309056.6	3917490.74	3.57236	0.81079	3.87E-03	6.77E-05	1.38E-02	5.49E-05	1.39E-02
309055.37	3917467.92	3.50922	0.6309	3.87E-03	6.77E-05	1.36E-02	4.27E-05	1.36E-02
309058.45	3917445.72	3.47813	0.50993	3.87E-03	6.77E-05	1.35E-02	3.45E-05	1.35E-02
309018.37	3917425.37	3.15215	0.39195	3.87E-03	6.77E-05	1.22E-02	2.65E-05	1.22E-02
309016.52	3917440.17	3.166	0.44821	3.87E-03	6.77E-05	1.23E-02	3.03E-05	1.23E-02
309017.75	3917461.75	3.21304	0.55785	3.87E-03	6.77E-05	1.24E-02	3.78E-05	1.25E-02
309015.9	3917479.02	3.22938	0.67121	3.87E-03	6.77E-05	1.25E-02	4.54E-05	1.25E-02
309015.29	3917527.73	3.29278	1.27112	3.87E-03	6.77E-05	1.27E-02	8.61E-05	1.28E-02
309014.05	3917551.78	3.30429	1.92392	3.87E-03	6.77E-05	1.28E-02	1.30E-04	1.29E-02
309056.59	3917294.28	3.16174	0.16889	3.87E-03	6.77E-05	1.22E-02	1.14E-05	1.23E-02
309044.36	3917294.28	3.08939	0.16352	3.87E-03	6.77E-05	1.20E-02	1.11E-05	1.20E-02
309012.17	3917196.11	2.69788	0.09426	3.87E-03	6.77E-05	1.04E-02	6.38E-06	1.05E-02
308992.22	3917193.21	2.60178	0.08842	3.87E-03	6.77E-05	1.01E-02	5.99E-06	1.01E-02
308786.69	3917561.72	2.20917	0.9829	3.87E-03	6.77E-05	8.55E-03	6.66E-05	8.62E-03
308879.07	3917651.09	2.54579	1.55424	3.87E-03	6.77E-05	9.86E-03	1.05E-04	9.96E-03
309014.69	3917652.32	3.2486	1.50054	3.87E-03	6.77E-05	1.26E-02	1.02E-04	1.27E-02
309095.56	3917655.22	3.88491	1.3887	3.87E-03	6.77E-05	1.50E-02	9.40E-05	1.51E-02
309196.25	3917644.08	5.24224	1.66989	3.87E-03	6.77E-05	2.03E-02	1.13E-04	2.04E-02
309269.32	3917636.06	6.49414	1.91551	3.87E-03	6.77E-05	2.51E-02	1.30E-04	2.53E-02
309269.32	3917651.66	6.05064	1.39867	3.87E-03	6.77E-05	2.34E-02	9.47E-05	2.35E-02
309274.22	3917668.14	5.7174	1.06407	3.87E-03	6.77E-05	2.21E-02	7.20E-05	2.22E-02
309351.75	3917632.05	7.60252	2.00887	3.87E-03	6.77E-05	2.94E-02	1.36E-04	2.96E-02
309351.75	3917652.1	6.88075	1.34607	3.87E-03	6.77E-05	2.66E-02	9.11E-05	2.67E-02
309395.86	3917637.4	7.87286	1.74806	3.87E-03	6.77E-05	3.05E-02	1.18E-04	3.06E-02
309394.97	3917651.66	7.33896	1.33532	3.87E-03	6.77E-05	2.84E-02	9.04E-05	2.85E-02
309576.3	3917651.21	13.46372	1.27872	3.87E-03	6.77E-05	5.21E-02	8.66E-05	5.22E-02
309661.85	3917626.71	32.968	1.94755	3.87E-03	6.77E-05	1.28E-01	1.32E-04	1.28E-01
309739.32	3917632.76	19.25547	1.72377	3.87E-03	6.77E-05	7.45E-02	1.17E-04	7.47E-02
309775.71	3917630.91	14.32127	1.79588	3.87E-03	6.77E-05	5.54E-02	1.22E-04	5.56E-02
309827.51	3917626.59	10.28278	1.99945	3.87E-03	6.77E-05	3.98E-02	1.35E-04	3.99E-02
309880.55	3917636.46	6.71447	1.92911	3.87E-03	6.77E-05	2.60E-02	1.31E-04	2.61E-02
309925.57	3917718.48	3.0429	1.71547	3.87E-03	6.77E-05	1.18E-02	1.16E-04	1.19E-02
309924.33	3917740.07	2.71053	1.58372	3.87E-03	6.77E-05	1.05E-02	1.07E-04	1.06E-02
309889.8	3917811.61	2.12976	0.86529	3.87E-03	6.77E-05	8.24E-03	5.86E-05	8.30E-03
309900.9	3917844.29	1.78587	0.91653	3.87E-03	6.77E-05	6.91E-03	6.21E-05	6.98E-03
309846.63	3917860.94	1.95248	0.54872	3.87E-03	6.77E-05	7.56E-03	3.72E-05	7.60E-03
309831.83	3917825.79	2.39332	0.55285	3.87E-03	6.77E-05	9.26E-03	3.74E-05	9.30E-03
309807.77	3917847.38	2.32401	0.4664	3.87E-03	6.77E-05	9.00E-03	3.16E-05	9.03E-03
309928.2	3917921.64	1.25168	1.29555	3.87E-03	6.77E-05	4.85E-03	8.77E-05	4.93E-03
309774.55	3917848.23	2.5413	0.41357	3.87E-03	6.77E-05	9.84E-03	2.80E-05	9.87E-03
309786.51	3917884.94	2.08082	0.3877	3.87E-03	6.77E-05	8.06E-03	2.63E-05	8.08E-03
309754.92	3917890.91	2.19523	0.34517	3.87E-03	6.77E-05	8.50E-03	2.34E-05	8.52E-03
309742.12	3917853.35	2.69671	0.37311	3.87E-03	6.77E-05	1.04E-02	2.53E-05	1.05E-02
309709.68	3917861.04	2.8016	0.33997	3.87E-03	6.77E-05	1.08E-02	2.30E-05	1.09E-02
309710.54	3917938.71	1.98007	0.27212	3.87E-03	6.77E-05	7.67E-03	1.84E-05	7.68E-03
309657.61	3917939.57	2.18674	0.24682	3.87E-03	6.77E-05	8.47E-03	1.67E-05	8.48E-03
309599.57	3917937	2.44583	0.23034	3.87E-03	6.77E-05	9.47E-03	1.56E-05	9.48E-03
309703.71	3917900.3	2.36217	0.29838	3.87E-03	6.77E-05	9.14E-03	2.02E-05	9.16E-03
309655.05	3917900.3	2.60417	0.27514	3.87E-03	6.77E-05	1.01E-02	1.86E-05	1.01E-02
309601.28	3917903.71	2.81839	0.25468	3.87E-03	6.77E-05	1.09E-02	1.72E-05	1.09E-02
309592.74	3917863.6	3.45592	0.28858	3.87E-03	6.77E-05	1.34E-02	1.95E-05	1.34E-02
309667.86	3917861.04	3.06478	0.31744	3.87E-03	6.77E-05	1.19E-02	2.15E-05	1.19E-02
309366.54	3917791.89	4.31777	0.35313	3.87E-03	6.77E-05	1.67E-02	2.39E-05	1.67E-02
309364.83	3917812.38	4.04889	0.31643	3.87E-03	6.77E-05	1.57E-02	2.14E-05	1.57E-02
309363.98	3917840.55	3.717	0.27679	3.87E-03	6.77E-05	1.44E-02	1.87E-05	1.44E-02
309307.64	3917853.35	3.42349	0.25603	3.87E-03	6.77E-05	1.33E-02	1.73E-05	1.33E-02
309301.67	3917820.92	3.7236	0.29755	3.87E-03	6.77E-05	1.44E-02	2.01E-05	1.44E-02
309311.91	3917795.31	4.04071	0.34198	3.87E-03	6.77E-05	1.56E-02	2.32E-05	1.57E-02
309235.94	3917791.89	3.77154	0.34303	3.87E-03	6.77E-05	1.46E-02	2.32E-05	1.46E-02
309239.36	3917822.62	3.50081	0.28999	3.87E-03	6.77E-05	1.36E-02	1.96E-05	1.36E-02
309239.36	3917858.47	3.20029	0.24467	3.87E-03	6.77E-05	1.24E-02	1.66E-05	1.24E-02
309205.21	3917802.14	3.55886	0.32108	3.87E-03	6.77E-05	1.38E-02	2.17E-05	1.38E-02
309104.49	3917811.53	3.10606	0.29547	3.87E-03	6.77E-05	1.20E-02	2.00E-05	1.20E-02
309104.49	3917846.52	2.90447	0.24661	3.87E-03	6.77E-05	1.12E-02	1.67E-05	1.13E-02
309075.47	3917846.52	2.81479	0.24358	3.87E-03	6.77E-05	1.09E-02	1.65E-05	1.09E-02
309078.03	3917812.38	2.99972	0.29114	3.87E-03	6.77E-05	1.16E-02	1.97E-05	1.16E-02

309059.04	3917808.04	2.94801	0.2961	3.87E-03	6.77E-05	1.14E-02	2.00E-05	1.14E-02
309059.04	3917822.71	2.87782	0.27286	3.87E-03	6.77E-05	1.11E-02	1.85E-05	1.12E-02
309042.26	3917825.86	2.80397	0.26623	3.87E-03	6.77E-05	1.09E-02	1.80E-05	1.09E-02
309041.74	3917847.88	2.70475	0.23812	3.87E-03	6.77E-05	1.05E-02	1.61E-05	1.05E-02
309041.74	3917865.7	2.62595	0.21925	3.87E-03	6.77E-05	1.02E-02	1.48E-05	1.02E-02
309021.3	3917811.18	2.79116	0.28577	3.87E-03	6.77E-05	1.08E-02	1.93E-05	1.08E-02
309021.82	3917840.01	2.67584	0.24494	3.87E-03	6.77E-05	1.04E-02	1.66E-05	1.04E-02
309021.3	3917867.8	2.56126	0.21483	3.87E-03	6.77E-05	9.92E-03	1.45E-05	9.93E-03
309020.25	3917885.62	2.48553	0.19894	3.87E-03	6.77E-05	9.62E-03	1.35E-05	9.64E-03
308987.74	3917886.67	2.40105	0.19424	3.87E-03	6.77E-05	9.29E-03	1.32E-05	9.31E-03
308984.6	3917865.18	2.46997	0.21265	3.87E-03	6.77E-05	9.56E-03	1.44E-05	9.58E-03
308988.27	3917843.68	2.55771	0.23591	3.87E-03	6.77E-05	9.90E-03	1.60E-05	9.92E-03
308984.6	3917813.8	2.6495	0.27589	3.87E-03	6.77E-05	1.03E-02	1.87E-05	1.03E-02
308946.86	3917813.28	2.52398	0.26985	3.87E-03	6.77E-05	9.77E-03	1.83E-05	9.79E-03
308948.95	3917844.21	2.43942	0.22912	3.87E-03	6.77E-05	9.44E-03	1.55E-05	9.46E-03
308952.62	3917868.32	2.37415	0.20514	3.87E-03	6.77E-05	9.19E-03	1.39E-05	9.20E-03
308946.33	3917888.77	2.29418	0.18711	3.87E-03	6.77E-05	8.88E-03	1.27E-05	8.89E-03
308911.21	3917891.39	2.2056	0.17983	3.87E-03	6.77E-05	8.54E-03	1.22E-05	8.55E-03
308911.21	3917863.08	2.28286	0.20311	3.87E-03	6.77E-05	8.84E-03	1.38E-05	8.85E-03
308911.21	3917843.16	2.33526	0.22333	3.87E-03	6.77E-05	9.04E-03	1.51E-05	9.06E-03
308907.01	3917814.85	2.39452	0.25876	3.87E-03	6.77E-05	9.27E-03	1.75E-05	9.29E-03
308825.76	3917655.49	2.33976	1.32701	3.87E-03	6.77E-05	9.06E-03	8.99E-05	9.15E-03
308831	3917707.91	2.32055	0.56315	3.87E-03	6.77E-05	8.98E-03	3.81E-05	9.02E-03
310062.7	3917617.91	2.93521	2.91725	3.87E-03	6.77E-05	1.14E-02	1.98E-04	1.16E-02
310057.97	3917649.81	2.57688	2.24779	3.87E-03	6.77E-05	9.98E-03	1.52E-04	1.01E-02
310065.54	3917531.61	4.52303	3.50691	3.87E-03	6.77E-05	1.75E-02	2.37E-04	1.77E-02
310076.02	3917532.66	4.22903	3.44806	3.87E-03	6.77E-05	1.64E-02	2.33E-04	1.66E-02
310091.22	3917531.09	3.9201	3.24401	3.87E-03	6.77E-05	1.52E-02	2.20E-04	1.54E-02
310134.21	3917531.09	3.17617	3.01726	3.87E-03	6.77E-05	1.23E-02	2.04E-04	1.25E-02
310150.46	3917529.51	2.98528	2.88558	3.87E-03	6.77E-05	1.16E-02	1.95E-04	1.18E-02
310173.53	3917530.04	2.71963	2.84686	3.87E-03	6.77E-05	1.05E-02	1.93E-04	1.07E-02
310123.73	3917492.29	4.0436	1.90705	3.87E-03	6.77E-05	1.57E-02	1.29E-04	1.58E-02
310156.75	3917498.06	3.37508	1.87999	3.87E-03	6.77E-05	1.31E-02	1.27E-04	1.32E-02
310174.05	3917499.63	3.12236	1.85909	3.87E-03	6.77E-05	1.21E-02	1.26E-04	1.22E-02
310237.49	3917521.12	2.27013	2.34987	3.87E-03	6.77E-05	8.79E-03	1.59E-04	8.95E-03
310251.12	3917488.1	2.47341	1.47538	3.87E-03	6.77E-05	9.57E-03	9.99E-05	9.67E-03
310300.92	3917510.64	1.9325	1.84185	3.87E-03	6.77E-05	7.48E-03	1.25E-04	7.61E-03
310211.68	3917430.8	3.68689	1.00734	3.87E-03	6.77E-05	1.43E-02	6.82E-05	1.43E-02
310241.9	3917417.85	3.40634	0.88145	3.87E-03	6.77E-05	1.32E-02	5.97E-05	1.32E-02
310269.65	3917401.2	3.21166	0.76707	3.87E-03	6.77E-05	1.24E-02	5.19E-05	1.25E-02
310256.7	3917372.82	3.81295	0.70159	3.87E-03	6.77E-05	1.48E-02	4.75E-05	1.48E-02
310229.56	3917386.39	4.11619	0.78694	3.87E-03	6.77E-05	1.59E-02	5.33E-05	1.60E-02
310194.41	3917397.5	4.68084	0.90001	3.87E-03	6.77E-05	1.81E-02	6.09E-05	1.82E-02
310180.22	3917367.89	5.84356	0.84759	3.87E-03	6.77E-05	2.26E-02	5.74E-05	2.27E-02
310217.23	3917356.17	5.01854	0.73176	3.87E-03	6.77E-05	1.94E-02	4.95E-05	1.95E-02
310250.53	3917337.67	4.5727	0.63471	3.87E-03	6.77E-05	1.77E-02	4.30E-05	1.77E-02
310237.58	3917307.45	5.67348	0.60686	3.87E-03	6.77E-05	2.20E-02	4.11E-05	2.20E-02
310204.89	3917317.93	6.51496	0.68479	3.87E-03	6.77E-05	2.52E-02	4.64E-05	2.53E-02
310165.42	3917336.44	7.54822	0.82009	3.87E-03	6.77E-05	2.92E-02	5.55E-05	2.93E-02
310157.4	3917311.15	9.27118	0.80058	3.87E-03	6.77E-05	3.59E-02	5.42E-05	3.59E-02
310214.14	3917281.54	7.50156	0.61428	3.87E-03	6.77E-05	2.90E-02	4.16E-05	2.91E-02
310153.55	3917200.69	21.03744	0.67597	3.87E-03	6.77E-05	8.14E-02	4.58E-05	8.15E-02
310102.75	3917212.51	38.66352	0.90256	3.87E-03	6.77E-05	1.50E-01	6.11E-05	1.50E-01
310085.02	3917249.14	33.97646	1.07615	3.87E-03	6.77E-05	1.32E-01	7.29E-05	1.32E-01
309698.03	3917026.59	8.007	0.36374	3.87E-03	6.77E-05	3.10E-02	2.46E-05	3.10E-02
309662.85	3917024.31	7.22902	0.29896	3.87E-03	6.77E-05	2.80E-02	2.02E-05	2.80E-02
309636.35	3917025.68	6.83252	0.2628	3.87E-03	6.77E-05	2.64E-02	1.78E-05	2.65E-02
309564.62	3917163.2	10.11904	0.25237	3.87E-03	6.77E-05	3.92E-02	1.71E-05	3.92E-02
309385.36	3917044.63	4.26674	0.12701	3.87E-03	6.77E-05	1.65E-02	8.60E-06	1.65E-02
309401.55	3917154.82	5.97006	0.17891	3.87E-03	6.77E-05	2.31E-02	1.21E-05	2.31E-02
309389.38	3917154.82	5.76762	0.1753	3.87E-03	6.77E-05	2.23E-02	1.19E-05	2.23E-02
309377.7	3917155.78	5.59063	0.17246	3.87E-03	6.77E-05	2.16E-02	1.17E-05	2.17E-02
309365.77	3917155.78	5.41156	0.16901	3.87E-03	6.77E-05	2.09E-02	1.14E-05	2.10E-02
309540.5	3917300.46	13.34384	0.35099	3.87E-03	6.77E-05	5.17E-02	2.38E-05	5.17E-02
309540.17	3917307.06	13.54089	0.35918	3.87E-03	6.77E-05	5.24E-02	2.43E-05	5.24E-02
309540.5	3917317.29	13.89734	0.37311	3.87E-03	6.77E-05	5.38E-02	2.53E-05	5.38E-02
309540.83	3917327.2	14.27892	0.38774	3.87E-03	6.77E-05	5.53E-02	2.63E-05	5.53E-02
309548.42	3917229.81	11.64952	0.28601	3.87E-03	6.77E-05	4.51E-02	1.94E-05	4.51E-02
309496.59	3917195.15	8.84832	0.23794	3.87E-03	6.77E-05	3.43E-02	1.61E-05	3.43E-02

Construction Year 2

Year	Onsite Emission Rate (g/s)	Offsite Emission Rate (g/s)
Year 1	3.87E-03	6.77E-05
Year 2	2.97E-03	1.98E-05

Receptor		AERMOD Pollutant		Emission Rates		Calculated Pollutant Concentration		
X	Y	On-site Concentration (ug/m3)	Off-site Concentration (ug/m3)	On-site Emission Rate (g/s)	Off-site Emission Rate (g/s)	On-site Concentration (ug/m3)	Off-site Concentration (ug/m3)	Total Concentration (ug/m3)
309205.37	3917534.6	0.26989	1.62485	2.97E-03	1.98E-05	8.03E-04	3.21E-05	8.35E-04
309128.13	3917544.38	0.21795	1.83806	2.97E-03	1.98E-05	6.48E-04	3.64E-05	6.84E-04
309126.28	3917515.4	0.2184	1.17107	2.97E-03	1.98E-05	6.49E-04	2.32E-05	6.73E-04
309126.9	3917484.57	0.2196	0.80853	2.97E-03	1.98E-05	6.53E-04	1.60E-05	6.69E-04
309109.63	3917481.49	0.20966	0.77105	2.97E-03	1.98E-05	6.23E-04	1.53E-05	6.39E-04
309109.63	3917515.4	0.20914	1.15702	2.97E-03	1.98E-05	6.22E-04	2.29E-05	6.45E-04
309109.63	3917544.38	0.20794	1.81391	2.97E-03	1.98E-05	6.18E-04	3.59E-05	6.54E-04
309057.22	3917531.43	0.18333	1.40212	2.97E-03	1.98E-05	5.45E-04	2.77E-05	5.73E-04
309056.6	3917490.74	0.18321	0.81079	2.97E-03	1.98E-05	5.45E-04	1.60E-05	5.61E-04
309055.37	3917467.92	0.18213	0.6309	2.97E-03	1.98E-05	5.42E-04	1.25E-05	5.54E-04
309058.45	3917445.72	0.18248	0.50993	2.97E-03	1.98E-05	5.43E-04	1.01E-05	5.53E-04
309018.37	3917425.37	0.16359	0.39195	2.97E-03	1.98E-05	4.86E-04	7.76E-06	4.94E-04
309016.52	3917440.17	0.16409	0.44821	2.97E-03	1.98E-05	4.88E-04	8.87E-06	4.97E-04
309017.75	3917461.75	0.16592	0.55785	2.97E-03	1.98E-05	4.93E-04	1.10E-05	5.04E-04
309015.9	3917479.02	0.16591	0.67121	2.97E-03	1.98E-05	4.93E-04	1.33E-05	5.07E-04
309015.29	3917527.73	0.16634	1.27112	2.97E-03	1.98E-05	4.95E-04	2.52E-05	5.20E-04
309014.05	3917551.78	0.16568	1.92392	2.97E-03	1.98E-05	4.93E-04	3.81E-05	5.31E-04
309056.59	3917294.28	0.15419	0.16889	2.97E-03	1.98E-05	4.58E-04	3.34E-06	4.62E-04
309044.36	3917294.28	0.14907	0.16352	2.97E-03	1.98E-05	4.43E-04	3.24E-06	4.47E-04
309012.17	3917196.11	0.10506	0.09426	2.97E-03	1.98E-05	3.12E-04	1.87E-06	3.14E-04
308992.22	3917193.21	0.09908	0.08842	2.97E-03	1.98E-05	2.95E-04	1.75E-06	2.96E-04
308786.69	3917561.72	0.10609	0.9829	2.97E-03	1.98E-05	3.15E-04	1.94E-05	3.35E-04
308879.07	3917651.09	0.12475	1.55424	2.97E-03	1.98E-05	3.71E-04	3.08E-05	4.02E-04
309014.69	3917652.32	0.16209	1.50054	2.97E-03	1.98E-05	4.82E-04	2.97E-05	5.12E-04
309095.56	3917655.22	0.19241	1.3887	2.97E-03	1.98E-05	5.72E-04	2.75E-05	6.00E-04
309196.25	3917644.08	0.24416	1.66989	2.97E-03	1.98E-05	7.26E-04	3.30E-05	7.59E-04
309269.32	3917636.06	0.2932	1.91551	2.97E-03	1.98E-05	8.72E-04	3.79E-05	9.10E-04
309269.32	3917651.66	0.28735	1.39867	2.97E-03	1.98E-05	8.54E-04	2.77E-05	8.82E-04
309274.22	3917668.14	0.28399	1.06407	2.97E-03	1.98E-05	8.44E-04	2.11E-05	8.66E-04
309351.75	3917632.05	0.35676	2.00887	2.97E-03	1.98E-05	1.06E-03	3.97E-05	1.10E-03
309351.75	3917652.1	0.34308	1.34607	2.97E-03	1.98E-05	1.02E-03	2.66E-05	1.05E-03
309395.86	3917637.4	0.38555	1.74806	2.97E-03	1.98E-05	1.15E-03	3.46E-05	1.18E-03
309394.97	3917651.66	0.37211	1.33532	2.97E-03	1.98E-05	1.11E-03	2.64E-05	1.13E-03
309576.3	3917651.21	0.43031	1.27872	2.97E-03	1.98E-05	1.28E-03	2.53E-05	1.30E-03
309661.85	3917626.71	0.45167	1.94755	2.97E-03	1.98E-05	1.34E-03	3.85E-05	1.38E-03
309739.32	3917632.76	0.39036	1.72377	2.97E-03	1.98E-05	1.16E-03	3.41E-05	1.19E-03
309775.71	3917630.91	0.36794	1.79588	2.97E-03	1.98E-05	1.09E-03	3.55E-05	1.13E-03
309827.51	3917626.59	0.33833	1.99945	2.97E-03	1.98E-05	1.01E-03	3.96E-05	1.05E-03
309880.55	3917636.46	0.28959	1.92911	2.97E-03	1.98E-05	8.61E-04	3.82E-05	8.99E-04
309925.57	3917718.48	0.1947	1.71547	2.97E-03	1.98E-05	5.79E-04	3.39E-05	6.13E-04
309924.33	3917740.07	0.18143	1.58372	2.97E-03	1.98E-05	5.39E-04	3.13E-05	5.71E-04
309889.8	3917811.61	0.15176	0.86529	2.97E-03	1.98E-05	4.51E-04	1.71E-05	4.68E-04
309900.9	3917844.29	0.13626	0.91653	2.97E-03	1.98E-05	4.05E-04	1.81E-05	4.23E-04
309846.63	3917860.94	0.13813	0.54872	2.97E-03	1.98E-05	4.11E-04	1.09E-05	4.22E-04
309831.83	3917825.79	0.15594	0.55285	2.97E-03	1.98E-05	4.64E-04	1.09E-05	4.75E-04
309807.77	3917847.38	0.15034	0.4664	2.97E-03	1.98E-05	4.47E-04	9.23E-06	4.56E-04
309928.2	3917921.64	0.10845	1.29555	2.97E-03	1.98E-05	3.22E-04	2.56E-05	3.48E-04
309774.55	3917848.23	0.15642	0.41357	2.97E-03	1.98E-05	4.65E-04	8.18E-06	4.73E-04
309786.51	3917884.94	0.13811	0.3877	2.97E-03	1.98E-05	4.11E-04	7.67E-06	4.18E-04
309754.92	3917890.91	0.14116	0.34517	2.97E-03	1.98E-05	4.20E-04	6.83E-06	4.27E-04
309742.12	3917853.35	0.16092	0.37311	2.97E-03	1.98E-05	4.79E-04	7.38E-06	4.86E-04
309709.68	3917861.04	0.16458	0.33997	2.97E-03	1.98E-05	4.89E-04	6.73E-06	4.96E-04
309710.54	3917938.71	0.13068	0.27212	2.97E-03	1.98E-05	3.89E-04	5.38E-06	3.94E-04
309657.61	3917939.57	0.14023	0.24682	2.97E-03	1.98E-05	4.17E-04	4.88E-06	4.22E-04
309599.57	3917937	0.15322	0.23034	2.97E-03	1.98E-05	4.56E-04	4.56E-06	4.60E-04
309703.71	3917900.3	0.14717	0.29838	2.97E-03	1.98E-05	4.38E-04	5.90E-06	4.44E-04
309655.05	3917900.3	0.15787	0.27514	2.97E-03	1.98E-05	4.69E-04	5.44E-06	4.75E-04
309601.28	3917903.71	0.16862	0.25468	2.97E-03	1.98E-05	5.01E-04	5.04E-06	5.06E-04
309592.74	3917863.6	0.19326	0.28858	2.97E-03	1.98E-05	5.75E-04	5.71E-06	5.80E-04
309667.86	3917861.04	0.17516	0.31744	2.97E-03	1.98E-05	5.21E-04	6.28E-06	5.27E-04
309366.54	3917791.89	0.25713	0.35313	2.97E-03	1.98E-05	7.65E-04	6.99E-06	7.72E-04
309364.83	3917812.38	0.24471	0.31643	2.97E-03	1.98E-05	7.28E-04	6.26E-06	7.34E-04
309363.98	3917840.55	0.22892	0.27679	2.97E-03	1.98E-05	6.81E-04	5.48E-06	6.86E-04
309307.64	3917853.35	0.21472	0.25603	2.97E-03	1.98E-05	6.38E-04	5.07E-06	6.44E-04
309301.67	3917820.92	0.22784	0.29755	2.97E-03	1.98E-05	6.78E-04	5.89E-06	6.83E-04
309311.91	3917795.31	0.2423	0.34198	2.97E-03	1.98E-05	7.21E-04	6.77E-06	7.27E-04
309235.94	3917791.89	0.22064	0.34303	2.97E-03	1.98E-05	6.56E-04	6.79E-06	6.63E-04
309239.36	3917822.62	0.2113	0.28999	2.97E-03	1.98E-05	6.28E-04	5.74E-06	6.34E-04
309239.36	3917858.47	0.19934	0.24467	2.97E-03	1.98E-05	5.93E-04	4.84E-06	5.98E-04
309205.21	3917802.14	0.20754	0.32108	2.97E-03	1.98E-05	6.17E-04	6.35E-06	6.23E-04
309104.49	3917811.53	0.17455	0.29547	2.97E-03	1.98E-05	5.19E-04	5.85E-06	5.25E-04
309104.49	3917846.52	0.16873	0.24661	2.97E-03	1.98E-05	5.02E-04	4.88E-06	5.07E-04
309075.47	3917846.52	0.1613	0.24358	2.97E-03	1.98E-05	4.80E-04	4.82E-06	4.84E-04
309078.03	3917812.38	0.16685	0.29114	2.97E-03	1.98E-05	4.96E-04	5.76E-06	5.02E-04

309059.04	3917808.04	0.16213	0.2961	2.97E-03	1.98E-05	4.82E-04	5.86E-06	4.88E-04
309059.04	3917822.71	0.16028	0.27286	2.97E-03	1.98E-05	4.77E-04	5.40E-06	4.82E-04
309042.26	3917825.86	0.15553	0.26623	2.97E-03	1.98E-05	4.62E-04	5.27E-06	4.68E-04
309041.74	3917847.88	0.1528	0.23812	2.97E-03	1.98E-05	4.54E-04	4.71E-06	4.59E-04
309041.74	3917865.7	0.15065	0.21925	2.97E-03	1.98E-05	4.48E-04	4.34E-06	4.52E-04
309021.3	3917811.18	0.15172	0.28577	2.97E-03	1.98E-05	4.51E-04	5.65E-06	4.57E-04
309021.82	3917840.01	0.1489	0.24494	2.97E-03	1.98E-05	4.43E-04	4.85E-06	4.48E-04
309021.3	3917867.8	0.14579	0.21483	2.97E-03	1.98E-05	4.34E-04	4.25E-06	4.38E-04
309020.25	3917885.62	0.14359	0.19894	2.97E-03	1.98E-05	4.27E-04	3.94E-06	4.31E-04
308987.74	3917886.67	0.13672	0.19424	2.97E-03	1.98E-05	4.07E-04	3.84E-06	4.10E-04
308984.6	3917865.18	0.13804	0.21265	2.97E-03	1.98E-05	4.10E-04	4.21E-06	4.15E-04
308988.27	3917843.68	0.14076	0.23591	2.97E-03	1.98E-05	4.19E-04	4.67E-06	4.23E-04
308984.6	3917813.8	0.1424	0.27589	2.97E-03	1.98E-05	4.23E-04	5.46E-06	4.29E-04
308946.86	3917813.28	0.13376	0.26985	2.97E-03	1.98E-05	3.98E-04	5.34E-06	4.03E-04
308948.95	3917844.21	0.13217	0.22912	2.97E-03	1.98E-05	3.93E-04	4.53E-06	3.98E-04
308952.62	3917868.32	0.13116	0.20514	2.97E-03	1.98E-05	3.90E-04	4.06E-06	3.94E-04
308946.33	3917888.77	0.1284	0.18711	2.97E-03	1.98E-05	3.82E-04	3.70E-06	3.86E-04
308911.21	3917891.39	0.12177	0.17983	2.97E-03	1.98E-05	3.62E-04	3.56E-06	3.66E-04
308911.21	3917863.08	0.12348	0.20311	2.97E-03	1.98E-05	3.67E-04	4.02E-06	3.71E-04
308911.21	3917843.16	0.1246	0.22333	2.97E-03	1.98E-05	3.71E-04	4.42E-06	3.75E-04
308907.01	3917814.85	0.12524	0.25876	2.97E-03	1.98E-05	3.72E-04	5.12E-06	3.78E-04
308825.76	3917655.49	0.11351	1.32701	2.97E-03	1.98E-05	3.38E-04	2.63E-05	3.64E-04
308831	3917707.91	0.11365	0.56315	2.97E-03	1.98E-05	3.38E-04	1.11E-05	3.49E-04
310062.7	3917617.91	0.20666	2.91725	2.97E-03	1.98E-05	6.15E-04	5.77E-05	6.72E-04
310057.97	3917649.81	0.18724	2.24779	2.97E-03	1.98E-05	5.57E-04	4.45E-05	6.01E-04
310065.54	3917531.61	0.28741	3.50691	2.97E-03	1.98E-05	8.55E-04	6.94E-05	9.24E-04
310076.02	3917532.66	0.27723	3.44806	2.97E-03	1.98E-05	8.24E-04	6.82E-05	8.93E-04
310091.22	3917531.09	0.26688	3.24401	2.97E-03	1.98E-05	7.94E-04	6.42E-05	8.58E-04
310134.21	3917531.09	0.23623	3.01726	2.97E-03	1.98E-05	7.02E-04	5.97E-05	7.62E-04
310150.46	3917529.51	0.22753	2.88558	2.97E-03	1.98E-05	6.77E-04	5.71E-05	7.34E-04
310173.53	3917530.04	0.21372	2.84686	2.97E-03	1.98E-05	6.36E-04	5.63E-05	6.92E-04
310123.73	3917492.29	0.28833	1.90705	2.97E-03	1.98E-05	8.57E-04	3.77E-05	8.95E-04
310156.75	3917498.06	0.2556	1.87999	2.97E-03	1.98E-05	7.60E-04	3.72E-05	7.97E-04
310174.05	3917499.63	0.2422	1.85909	2.97E-03	1.98E-05	7.20E-04	3.68E-05	7.57E-04
310237.49	3917521.12	0.18925	2.34987	2.97E-03	1.98E-05	5.63E-04	4.65E-05	6.09E-04
310251.12	3917488.1	0.20919	1.47538	2.97E-03	1.98E-05	6.22E-04	2.92E-05	6.51E-04
310300.92	3917510.64	0.17166	1.84185	2.97E-03	1.98E-05	5.10E-04	3.64E-05	5.47E-04
310211.68	3917430.8	0.29913	1.00734	2.97E-03	1.98E-05	8.89E-04	1.99E-05	9.09E-04
310241.9	3917417.85	0.29182	0.88145	2.97E-03	1.98E-05	8.68E-04	1.74E-05	8.85E-04
310269.65	3917401.2	0.29036	0.76707	2.97E-03	1.98E-05	8.63E-04	1.52E-05	8.79E-04
310256.7	3917372.82	0.34287	0.70159	2.97E-03	1.98E-05	1.02E-03	1.39E-05	1.03E-03
310229.56	3917386.39	0.35154	0.78694	2.97E-03	1.98E-05	1.05E-03	1.56E-05	1.06E-03
310194.41	3917397.5	0.37326	0.90001	2.97E-03	1.98E-05	1.11E-03	1.78E-05	1.13E-03
310180.22	3917367.89	0.46072	0.84759	2.97E-03	1.98E-05	1.37E-03	1.68E-05	1.39E-03
310217.23	3917356.17	0.42564	0.73176	2.97E-03	1.98E-05	1.27E-03	1.45E-05	1.28E-03
310250.53	3917337.67	0.41012	0.63471	2.97E-03	1.98E-05	1.22E-03	1.26E-05	1.23E-03
310237.58	3917307.45	0.49525	0.60686	2.97E-03	1.98E-05	1.47E-03	1.20E-05	1.48E-03
310204.89	3917317.93	0.54266	0.68479	2.97E-03	1.98E-05	1.61E-03	1.35E-05	1.63E-03
310165.42	3917336.44	0.58482	0.82009	2.97E-03	1.98E-05	1.74E-03	1.62E-05	1.76E-03
310157.4	3917311.15	0.70391	0.80058	2.97E-03	1.98E-05	2.09E-03	1.58E-05	2.11E-03
310214.14	3917281.54	0.61997	0.61428	2.97E-03	1.98E-05	1.84E-03	1.22E-05	1.86E-03
310153.55	3917200.69	1.31771	0.67597	2.97E-03	1.98E-05	3.92E-03	1.34E-05	3.93E-03
310102.75	3917212.51	1.86385	0.90256	2.97E-03	1.98E-05	5.54E-03	1.79E-05	5.56E-03
310085.02	3917249.14	1.69276	1.07615	2.97E-03	1.98E-05	5.03E-03	2.13E-05	5.05E-03
309698.03	3917026.59	1.61071	0.36374	2.97E-03	1.98E-05	4.79E-03	7.20E-06	4.80E-03
309662.85	3917024.31	0.82089	0.29896	2.97E-03	1.98E-05	2.44E-03	5.92E-06	2.45E-03
309636.35	3917025.68	0.60753	0.2628	2.97E-03	1.98E-05	1.81E-03	5.20E-06	1.81E-03
309564.62	3917163.2	1.30391	0.25237	2.97E-03	1.98E-05	3.88E-03	4.99E-06	3.88E-03
309385.36	3917044.63	0.17498	0.12701	2.97E-03	1.98E-05	5.20E-04	2.51E-06	5.23E-04
309401.55	3917154.82	0.35135	0.17891	2.97E-03	1.98E-05	1.04E-03	3.54E-06	1.05E-03
309389.38	3917154.82	0.32961	0.1753	2.97E-03	1.98E-05	9.80E-04	3.47E-06	9.84E-04
309377.7	3917155.78	0.31219	0.17246	2.97E-03	1.98E-05	9.28E-04	3.41E-06	9.32E-04
309365.77	3917155.78	0.29433	0.16901	2.97E-03	1.98E-05	8.75E-04	3.34E-06	8.79E-04
309540.5	3917300.46	1.48177	0.35099	2.97E-03	1.98E-05	4.41E-03	6.94E-06	4.41E-03
309540.17	3917307.06	1.46515	0.35918	2.97E-03	1.98E-05	4.36E-03	7.11E-06	4.36E-03
309540.5	3917317.29	1.44456	0.37311	2.97E-03	1.98E-05	4.30E-03	7.38E-06	4.30E-03
309540.83	3917327.2	1.41997	0.38774	2.97E-03	1.98E-05	4.22E-03	7.67E-06	4.23E-03
309548.42	3917229.81	1.5457	0.28601	2.97E-03	1.98E-05	4.60E-03	5.66E-06	4.60E-03
309496.59	3917195.15	0.83067	0.23794	2.97E-03	1.98E-05	2.47E-03	4.71E-06	2.47E-03
0	0	0	0	2.97E-03	1.98E-05	0.00E+00	0.00E+00	0.00E+00
0	0	0	0	2.97E-03	1.98E-05	0.00E+00	0.00E+00	0.00E+00
0	0	0	0	2.97E-03	1.98E-05	0.00E+00	0.00E+00	0.00E+00
0	0	0	0	2.97E-03	1.98E-05	0.00E+00	0.00E+00	0.00E+00
0	0	0	0	2.97E-03	1.98E-05	0.00E+00	0.00E+00	0.00E+00
0	0	0	0	2.97E-03	1.98E-05	0.00E+00	0.00E+00	0.00E+00
0	0	0	0	2.97E-03	1.98E-05	0.00E+00	0.00E+00	0.00E+00
0	0	0	0	2.97E-03	1.98E-05	0.00E+00	0.00E+00	0.00E+00
0	0	0	0	2.97E-03	1.98E-05	0.00E+00	0.00E+00	0.00E+00
0	0	0	0	2.97E-03	1.98E-05	0.00E+00	0.00E+00	0.00E+00
0	0	0	0	2.97E-03	1.98E-05	0.00E+00	0.00E+00	0.00E+00
0	0	0	0	2.97E-03	1.98E-05	0.00E+00	0.00E+00	0.00E+00
0	0	0	0	2.97E-03	1.98E-05	0.00E+00	0.00E+00	0.00E+00
0	0	0	0	2.97E-03	1.98E-05	0.00E+00	0.00E+00	0.00E+00
0	0	0	0	2.97E-03	1.98E-05	0.00E+00	0.00E+00	0.00E+00

0	0	0	0	2.97E-03	1.98E-05	0.00E+00	0.00E+00	0.00E+00

0	0	0	0	2.97E-03	1.98E-05	0.00E+00	0.00E+00	0.00E+00

0	0	0	0	2.97E-03	1.98E-05	0.00E+00	0.00E+00	0.00E+00

0	0	0	0	2.97E-03	1.98E-05	0.00E+00	0.00E+00	0.00E+00

0	0	0	0	2.97E-03	1.98E-05	0.00E+00	0.00E+00	0.00E+00

0	0	0	0	2.97E-03	1.98E-05	0.00E+00	0.00E+00	0.00E+00

0	0	0	0	2.97E-03	1.98E-05	0.00E+00	0.00E+00	0.00E+00

0	0	0	0	2.97E-03	1.98E-05	0.00E+00	0.00E+00	0.00E+00

0	0	0	0	2.97E-03	1.98E-05	0.00E+00	0.00E+00	0.00E+00

0	0	0	0	2.97E-03	1.98E-05	0.00E+00	0.00E+00	0.00E+00

0	0	0	0	2.97E-03	1.98E-05	0.00E+00	0.00E+00	0.00E+00

0	0	0	0	2.97E-03	1.98E-05	0.00E+00	0.00E+00	0.00E+00

0	0	0	0	2.97E-03	1.98E-05	0.00E+00	0.00E+00	0.00E+00

0	0	0	0	2.97E-03	1.98E-05	0.00E+00	0.00E+00	0.00E+00

0	0	0	0	2.97E-03	1.98E-05	0.00E+00	0.00E+00	0.00E+00

0	0	0	0	2.97E-03	1.98E-05	0.00E+00	0.00E+00	0.00E+00

0	0	0	0	2.97E-03	1.98E-05	0.00E+00	0.00E+00	0.00E+00

0	0	0	0	2.97E-03	1.98E-05	0.00E+00	0.00E+00	0.00E+00

0	0	0	0	2.97E-03	1.98E-05	0.00E+00	0.00E+00	0.00E+00

0	0	0	0	2.97E-03	1.98E-05	0.00E+00	0.00E+00	0.00E+00

0	0	0	0	2.97E-03	1.98E-05	0.00E+00	0.00E+00	0.00E+00

Year 1 Risks:

Schedule and Duration

Activity Schedule Information							
Year	Start Date	End Date	Workday Duration		Construction Workdays	Annual Workdays	Annual Duration
Year 1	3/16/2026	12/28/2026	8 Hours/Day		206	261	0.79
Year 2	1/4/2027	7/23/2027	8 Hours/Day		145	261	0.56
Year 3			8 Hours/Day			260	0.00
Year 4			8 Hours/Day			261	0.00
Year 5			8 Hours/Day			261	0.00
Year 6			8 Hours/Day			261	0.00
Year 7			8 Hours/Day			262	0.00
Year 8			8 Hours/Day			260	0.00
Year 9			8 Hours/Day			260	0.00
Year 10			8 Hours/Day			261	0.00
						Total	1.34

Assumptions:

Exposure Duration (ED) is derived by dividing project workdays by total annual workdays (260), assuming 5 workdays a week.

For Annual Potential Workdays

Beginning	End
1/1/2026	12/31/2026
1/1/2027	12/31/2027
1/1/2028	12/31/2028
1/1/2029	12/31/2029
1/1/2030	12/31/2030
1/1/2031	12/31/2031
1/1/2032	12/31/2032
1/1/2033	12/31/2033
1/1/2034	12/31/2034
1/1/2035	12/31/2035

1	3to4	ps	
2	4to5	k	
3	5to6	1	
4	6to7	2	
5	7to8	3	
6	8to9	4	
7	9to10	5	
8	10to11	6	
9	11to12	7	
10	12to13	8	

		OEHHA age bin	9<16 years	16<30 years
		exposure year(s)	2026-2027	2028-2033
Dose Exposure Factors:		exposure frequency (days/year)	180	250
		inhalation rate (L/kg-day) [2]	520	240
		inhalation absorption factor	1	1
		conversion factor (mg/µg; m^3/L)	1.0E-06	1.0E-06
Risk Calculation Factors:		age sensitivity factor	3	1
		averaging time (years)	70	70
		per million	1.0E+06	1.0E+06

	exposure durations (year) [3]				
Construction Year	3rd Trimester	0 < 2 years	9 < 16 years	16 < 30 years	Total
Year 1				0.79	0.79
Year 2				0.56	0.56
Year 3				0.00	0.00
Year 4				0.00	0.00
Year 5				0.00	0.00
Year 6				0.00	0.00
Year 7				0.00	0.00
Year 8				0.00	0.00
Year 9				0.00	0.00
Year 10				0.00	0.00
	0.00	**0.00**	**0.00**	**1.34**	**1.34**

[1] Chronic Hazards for DPM using the chronic reference exposure level (REL) for the Respiratory Toxicological Endpoint.

[2] Inhalation rate taken as the 95th percentile breathing rates (OEHHA, 2015).

[3] Construction durations determined for each year to adjust receptor exposures to the exposure durations for each construction year (see App A - Construction Emissions).

Receptor		MEIR	Weight	Contaminant			Dose (by age bin)					Carcinogenic Risks (by age bin)					**Total Cancer Risk**	**Chronic Hazards [1]**	
		Conc.	Fraction		URF	CPF	3rd Trimester	0 < 2 years	2 < 9 years	9<16 years	16<30 years	3rd Trimester	0 < 2 years	2 < 9 years	9<16 years	16<30 years		Chronic REL	RESP
X	Y	($\mu g/m^3$)			$(\mu g/m^3)^{-1}$	$(mg/kg/day)^{-1}$	(mg/kg-day)	(mg/kg-day)	(mg/kg-day)	(mg/kg-day)	(mg/kg-day)	per million	per million	per million	per million	per million	per million	($\mu g/m^3$)	
		(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)
309205.37	3917534.6	2.67E-02	1.00E+00	DPM	3.0E-04	1.1E+00					4.39E-06					5.20E-02	5.20E-02	5.0E+00	5.34E-03
309128.13	3917544.38	1.78E-02	1.00E+00								2.93E-06					3.47E-02	3.47E-02		3.56E-03
309126.28	3917515.4	1.77E-02	1.00E+00								2.90E-06					3.44E-02	3.44E-02		3.53E-03
309126.9	3917484.57	1.75E-02	1.00E+00								2.88E-06					3.41E-02	3.41E-02		3.50E-03
309109.63	3917481.49	1.62E-02	1.00E+00								2.67E-06					3.16E-02	3.16E-02		3.24E-03
309109.63	3917515.4	1.66E-02	1.00E+00								2.72E-06					3.22E-02	3.22E-02		3.31E-03
309109.63	3917544.38	1.67E-02	1.00E+00								2.74E-06					3.25E-02	3.25E-02		3.34E-03
309057.22	3917531.43	1.42E-02	1.00E+00								2.34E-06					2.77E-02	2.77E-02		2.84E-03
309056.6	3917490.74	1.39E-02	1.00E+00								2.28E-06					2.70E-02	2.70E-02		2.78E-03
309055.37	3917467.92	1.36E-02	1.00E+00								2.24E-06					2.65E-02	2.65E-02		2.73E-03
309058.45	3917445.72	1.35E-02	1.00E+00								2.22E-06					2.63E-02	2.63E-02		2.70E-03
309018.37	3917425.37	1.22E-02	1.00E+00								2.01E-06					2.38E-02	2.38E-02		2.45E-03
309016.52	3917440.17	1.23E-02	1.00E+00								2.02E-06					2.39E-02	2.39E-02		2.46E-03
309017.75	3917461.75	1.25E-02	1.00E+00								2.05E-06					2.43E-02	2.43E-02		2.50E-03
309015.9	3917479.02	1.25E-02	1.00E+00								2.06E-06					2.44E-02	2.44E-02		2.51E-03
309015.29	3917527.73	1.28E-02	1.00E+00								2.11E-06					2.50E-02	2.50E-02		2.57E-03
309014.05	3917551.78	1.29E-02	1.00E+00								2.12E-06					2.51E-02	2.51E-02		2.58E-03
309056.59	3917294.28	1.23E-02	1.00E+00								2.01E-06					2.38E-02	2.38E-02		2.45E-03
309044.36	3917294.28	1.20E-02	1.00E+00								1.97E-06					2.33E-02	2.33E-02		2.39E-03
309012.17	3917196.11	1.05E-02	1.00E+00								1.72E-06					2.03E-02	2.03E-02		2.09E-03
308992.22	3917193.21	1.01E-02	1.00E+00								1.66E-06					1.96E-02	1.96E-02		2.02E-03
308786.69	3917561.72	8.62E-03	1.00E+00								1.42E-06					1.68E-02	1.68E-02		1.72E-03
308879.07	3917651.09	9.96E-03	1.00E+00								1.64E-06					1.94E-02	1.94E-02		1.99E-03
309014.69	3917652.32	1.27E-02	1.00E+00								2.08E-06					2.47E-02	2.47E-02		2.54E-03

309095.56	3917655.22	1.51E-02	1.00E+00								2.49E-06						2.95E-02	2.95E-02	3.03E-03
309196.25	3917644.08	2.04E-02	1.00E+00								3.35E-06						3.97E-02	3.97E-02	4.08E-03
309269.32	3917636.06	2.53E-02	1.00E+00								4.15E-06						4.92E-02	4.92E-02	5.05E-03
309269.32	3917651.66	2.35E-02	1.00E+00								3.87E-06						4.58E-02	4.58E-02	4.70E-03
309274.22	3917668.14	2.22E-02	1.00E+00								3.65E-06						4.32E-02	4.32E-02	4.44E-03
309351.75	3917632.05	2.96E-02	1.00E+00								4.86E-06						5.75E-02	5.75E-02	5.91E-03
309351.75	3917652.1	2.67E-02	1.00E+00								4.39E-06						5.20E-02	5.20E-02	5.35E-03
309395.86	3917637.4	3.06E-02	1.00E+00								5.03E-06						5.95E-02	5.95E-02	6.12E-03
309394.97	3917651.66	2.85E-02	1.00E+00								4.69E-06						5.55E-02	5.55E-02	5.70E-03
309576.3	3917651.21	5.22E-02	1.00E+00								8.58E-06						1.02E-01	1.02E-01	1.04E-02
309661.85	3917626.71	1.28E-01	1.00E+00								2.10E-05						2.49E-01	2.49E-01	2.56E-02
309739.32	3917632.76	7.47E-02	1.00E+00								1.23E-05						1.45E-01	1.45E-01	1.49E-02
309775.71	3917630.91	5.56E-02	1.00E+00								9.13E-06						1.08E-01	1.08E-01	1.11E-02
309827.51	3917626.59	3.99E-02	1.00E+00								6.57E-06						7.77E-02	7.77E-02	7.99E-03
309880.55	3917636.46	2.61E-02	1.00E+00								4.29E-06						5.08E-02	5.08E-02	5.22E-03
309925.57	3917718.48	1.19E-02	1.00E+00								1.96E-06						2.32E-02	2.32E-02	2.38E-03
309924.33	3917740.07	1.06E-02	1.00E+00								1.74E-06						2.06E-02	2.06E-02	2.12E-03
309889.8	3917811.61	8.30E-03	1.00E+00								1.36E-06						1.62E-02	1.62E-02	1.66E-03
309900.9	3917844.29	6.98E-03	1.00E+00								1.15E-06						1.36E-02	1.36E-02	1.40E-03
309846.63	3917860.94	7.60E-03	1.00E+00								1.25E-06						1.48E-02	1.48E-02	1.52E-03
309831.83	3917825.79	9.30E-03	1.00E+00								1.53E-06						1.81E-02	1.81E-02	1.86E-03
309807.77	3917847.38	9.03E-03	1.00E+00								1.48E-06						1.76E-02	1.76E-02	1.81E-03
309928.2	3917921.64	4.93E-03	1.00E+00								8.11E-07						9.60E-03	9.60E-03	9.87E-04
309774.55	3917848.23	9.87E-03	1.00E+00								1.62E-06						1.92E-02	1.92E-02	1.97E-03
309786.51	3917884.94	8.08E-03	1.00E+00								1.33E-06						1.57E-02	1.57E-02	1.62E-03
309754.92	3917890.91	8.52E-03	1.00E+00								1.40E-06						1.66E-02	1.66E-02	1.70E-03
309742.12	3917853.35	1.05E-02	1.00E+00								1.72E-06						2.04E-02	2.04E-02	2.09E-03
309709.68	3917861.04	1.09E-02	1.00E+00								1.79E-06						2.12E-02	2.12E-02	2.17E-03
309710.54	3917938.71	7.68E-03	1.00E+00								1.26E-06						1.50E-02	1.50E-02	1.54E-03
309657.61	3917939.57	8.48E-03	1.00E+00								1.39E-06						1.65E-02	1.65E-02	1.70E-03
309599.57	3917937	9.48E-03	1.00E+00								1.56E-06						1.85E-02	1.85E-02	1.90E-03
309703.71	3917900.3	9.16E-03	1.00E+00								1.51E-06						1.78E-02	1.78E-02	1.83E-03
309655.05	3917900.3	1.01E-02	1.00E+00								1.66E-06						1.97E-02	1.97E-02	2.02E-03
309601.28	3917903.71	1.09E-02	1.00E+00								1.80E-06						2.13E-02	2.13E-02	2.19E-03
309592.74	3917863.6	1.34E-02	1.00E+00								2.20E-06						2.61E-02	2.61E-02	2.68E-03
309667.86	3917861.04	1.19E-02	1.00E+00								1.95E-06						2.31E-02	2.31E-02	2.38E-03
309366.54	3917791.89	1.67E-02	1.00E+00								2.75E-06						3.26E-02	3.26E-02	3.35E-03
309364.83	3917812.38	1.57E-02	1.00E+00								2.58E-06						3.05E-02	3.05E-02	3.14E-03
309363.98	3917840.55	1.44E-02	1.00E+00								2.37E-06						2.80E-02	2.80E-02	2.88E-03
309307.64	3917853.35	1.33E-02	1.00E+00								2.18E-06						2.58E-02	2.58E-02	2.65E-03
309301.67	3917820.92	1.44E-02	1.00E+00								2.37E-06						2.81E-02	2.81E-02	2.89E-03
309311.91	3917795.31	1.57E-02	1.00E+00								2.58E-06						3.05E-02	3.05E-02	3.13E-03
309235.94	3917791.89	1.46E-02	1.00E+00								2.40E-06						2.85E-02	2.85E-02	2.92E-03
309239.36	3917822.62	1.36E-02	1.00E+00								2.23E-06						2.64E-02	2.64E-02	2.71E-03
309239.36	3917858.47	1.24E-02	1.00E+00								2.04E-06						2.41E-02	2.41E-02	2.48E-03
309205.21	3917802.14	1.38E-02	1.00E+00								2.27E-06						2.69E-02	2.69E-02	2.76E-03
309104.49	3917811.53	1.20E-02	1.00E+00								1.98E-06						2.34E-02	2.34E-02	2.41E-03
309104.49	3917846.52	1.13E-02	1.00E+00								1.85E-06						2.19E-02	2.19E-02	2.25E-03
309075.47	3917846.52	1.09E-02	1.00E+00								1.79E-06						2.12E-02	2.12E-02	2.18E-03
309078.03	3917812.38	1.16E-02	1.00E+00								1.91E-06						2.26E-02	2.26E-02	2.33E-03
309059.04	3917808.04	1.14E-02	1.00E+00								1.88E-06						2.22E-02	2.22E-02	2.29E-03
309059.04	3917822.71	1.12E-02	1.00E+00								1.83E-06						2.17E-02	2.17E-02	2.23E-03
309042.26	3917825.86	1.09E-02	1.00E+00								1.79E-06						2.12E-02	2.12E-02	2.17E-03
309041.74	3917847.88	1.05E-02	1.00E+00								1.72E-06						2.04E-02	2.04E-02	2.10E-03
309041.74	3917865.7	1.02E-02	1.00E+00								1.67E-06						1.98E-02	1.98E-02	2.04E-03
309021.3	3917811.18	1.08E-02	1.00E+00								1.78E-06						2.11E-02	2.11E-02	2.16E-03
309021.82	3917840.01	1.04E-02	1.00E+00								1.71E-06						2.02E-02	2.02E-02	2.08E-03
309021.3	3917867.8	9.93E-03	1.00E+00								1.63E-06						1.93E-02	1.93E-02	1.99E-03
309020.25	3917885.62	9.64E-03	1.00E+00								1.58E-06						1.88E-02	1.88E-02	1.93E-03
308987.74	3917886.67	9.31E-03	1.00E+00								1.53E-06						1.81E-02	1.81E-02	1.86E-03
308984.6	3917865.18	9.58E-03	1.00E+00								1.57E-06						1.86E-02	1.86E-02	1.92E-03
308988.27	3917843.68	9.92E-03	1.00E+00								1.63E-06						1.93E-02	1.93E-02	1.98E-03
308984.6	3917813.8	1.03E-02	1.00E+00								1.69E-06						2.00E-02	2.00E-02	2.06E-03
308946.86	3917813.28	9.79E-03	1.00E+00								1.61E-06						1.91E-02	1.91E-02	1.96E-03
308948.95	3917844.21	9.46E-03	1.00E+00								1.55E-06						1.84E-02	1.84E-02	1.89E-03
308952.62	3917868.32	9.20E-03	1.00E+00								1.51E-06						1.79E-02	1.79E-02	1.84E-03
308946.33	3917888.77	8.89E-03	1.00E+00								1.46E-06						1.73E-02	1.73E-02	1.78E-03
308911.21	3917891.39	8.55E-03	1.00E+00								1.41E-06						1.66E-02	1.66E-02	1.71E-03
308911.21	3917863.08	8.85E-03	1.00E+00								1.45E-06						1.72E-02	1.72E-02	1.77E-03
308911.21	3917843.16	9.06E-03	1.00E+00								1.49E-06						1.76E-02	1.76E-02	1.81E-03
308907.01	3917814.85	9.29E-03	1.00E+00								1.53E-06						1.81E-02	1.81E-02	1.86E-03
308825.76	3917655.49	9.15E-03	1.00E+00								1.50E-06						1.78E-02	1.78E-02	1.83E-03

308831	3917707.91	9.02E-03	1.00E+00							1.48E-06						1.76E-02	1.76E-02	1.80E-03
310062.7	3917617.91	1.16E-02	1.00E+00							1.90E-06						2.25E-02	2.25E-02	2.31E-03
310057.97	3917649.81	1.01E-02	1.00E+00							1.66E-06						1.97E-02	1.97E-02	2.03E-03
310065.54	3917531.61	1.77E-02	1.00E+00							2.92E-06						3.45E-02	3.45E-02	3.55E-03
310076.02	3917532.66	1.66E-02	1.00E+00							2.73E-06						3.23E-02	3.23E-02	3.32E-03
310091.22	3917531.09	1.54E-02	1.00E+00							2.53E-06						3.00E-02	3.00E-02	3.08E-03
310134.21	3917531.09	1.25E-02	1.00E+00							2.05E-06						2.43E-02	2.43E-02	2.50E-03
310150.46	3917529.51	1.18E-02	1.00E+00							1.93E-06						2.29E-02	2.29E-02	2.35E-03
310173.53	3917530.04	1.07E-02	1.00E+00							1.76E-06						2.09E-02	2.09E-02	2.14E-03
310123.73	3917492.29	1.58E-02	1.00E+00							2.59E-06						3.07E-02	3.07E-02	3.16E-03
310156.75	3917498.06	1.32E-02	1.00E+00							2.17E-06						2.57E-02	2.57E-02	2.64E-03
310174.05	3917499.63	1.22E-02	1.00E+00							2.01E-06						2.38E-02	2.38E-02	2.44E-03
310237.49	3917521.12	8.95E-03	1.00E+00							1.47E-06						1.74E-02	1.74E-02	1.79E-03
310251.12	3917488.1	9.67E-03	1.00E+00							1.59E-06						1.88E-02	1.88E-02	1.93E-03
310300.92	3917510.64	7.61E-03	1.00E+00							1.25E-06						1.48E-02	1.48E-02	1.52E-03
310211.68	3917430.8	1.43E-02	1.00E+00							2.36E-06						2.79E-02	2.79E-02	2.87E-03
310241.9	3917417.85	1.32E-02	1.00E+00							2.18E-06						2.58E-02	2.58E-02	2.65E-03
310269.65	3917401.2	1.25E-02	1.00E+00							2.05E-06						2.43E-02	2.43E-02	2.50E-03
310256.7	3917372.82	1.48E-02	1.00E+00							2.43E-06						2.88E-02	2.88E-02	2.96E-03
310229.56	3917386.39	1.60E-02	1.00E+00							2.63E-06						3.11E-02	3.11E-02	3.20E-03
310194.41	3917397.5	1.82E-02	1.00E+00							2.99E-06						3.54E-02	3.54E-02	3.64E-03
310180.22	3917367.89	2.27E-02	1.00E+00							3.73E-06						4.41E-02	4.41E-02	4.54E-03
310217.23	3917356.17	1.95E-02	1.00E+00							3.20E-06						3.79E-02	3.79E-02	3.90E-03
310250.53	3917337.67	1.77E-02	1.00E+00							2.92E-06						3.45E-02	3.45E-02	3.55E-03
310237.58	3917307.45	2.20E-02	1.00E+00							3.62E-06						4.28E-02	4.28E-02	4.40E-03
310204.89	3917317.93	2.53E-02	1.00E+00							4.15E-06						4.92E-02	4.92E-02	5.05E-03
310165.42	3917336.44	2.93E-02	1.00E+00							4.81E-06						5.70E-02	5.70E-02	5.86E-03
310157.4	3917311.15	3.59E-02	1.00E+00							5.91E-06						7.00E-02	7.00E-02	7.19E-03
310214.14	3917281.54	2.91E-02	1.00E+00							4.78E-06						5.66E-02	5.66E-02	5.82E-03
310153.55	3917200.69	8.15E-02	1.00E+00							1.34E-05						1.59E-01	1.59E-01	1.63E-02
310102.75	3917212.51	1.50E-01	1.00E+00							2.46E-05						2.91E-01	2.91E-01	2.99E-02
310085.02	3917249.14	1.32E-01	1.00E+00							2.16E-05						2.56E-01	2.56E-01	2.63E-02
309698.03	3917026.59	3.10E-02	1.00E+00							5.10E-06						6.04E-02	6.04E-02	6.20E-03
309662.85	3917024.31	2.80E-02	1.00E+00							4.60E-06						5.45E-02	5.45E-02	5.60E-03
309636.35	3917025.68	2.65E-02	1.00E+00							4.35E-06						5.15E-02	5.15E-02	5.29E-03
309564.62	3917163.2	3.92E-02	1.00E+00							6.44E-06						7.63E-02	7.63E-02	7.84E-03
309385.36	3917044.63	1.65E-02	1.00E+00							2.72E-06						3.22E-02	3.22E-02	3.31E-03
309401.55	3917154.82	2.31E-02	1.00E+00							3.80E-06						4.50E-02	4.50E-02	4.62E-03
309389.38	3917154.82	2.23E-02	1.00E+00							3.67E-06						4.35E-02	4.35E-02	4.47E-03
309377.7	3917155.78	2.17E-02	1.00E+00							3.56E-06						4.21E-02	4.21E-02	4.33E-03
309365.77	3917155.78	2.10E-02	1.00E+00							3.45E-06						4.08E-02	4.08E-02	4.19E-03
309540.5	3917300.46	5.17E-02	1.00E+00							8.50E-06						1.01E-01	1.01E-01	1.03E-02
309540.17	3917307.06	5.24E-02	1.00E+00							8.62E-06						1.02E-01	1.02E-01	1.05E-02
309540.5	3917317.29	5.38E-02	1.00E+00							8.85E-06						1.05E-01	1.05E-01	1.08E-02
309540.83	3917327.2	5.53E-02	1.00E+00							9.09E-06						1.08E-01	1.08E-01	1.11E-02
309548.42	3917229.81	4.51E-02	1.00E+00							7.42E-06						8.78E-02	8.78E-02	9.02E-03
309496.59	3917195.15	3.43E-02	1.00E+00							5.63E-06						6.67E-02	6.67E-02	6.85E-03

Year 2 Risks

Schedule and Duration

Activity Schedule Information

Year	Start Date	End Date	Workday Duration		Construction Workdays	Annual Workdays	Annual Duration
Year 1	########	12/28/2026	8 Hours/Day		206	261	0.79
Year 2	1/4/2027	7/23/2027	8 Hours/Day		145	261	0.56
Year 3	1/0/1900	1/0/1900	8 Hours/Day			260	0.00
Year 4	1/0/1900	1/0/1900	8 Hours/Day			261	0.00
Year 5	1/0/1900	1/0/1900	8 Hours/Day			261	0.00
Year 6	1/0/1900	1/0/1900	8 Hours/Day			261	0.00
Year 7	1/0/1900	1/0/1900	8 Hours/Day			262	0.00
Year 8	1/0/1900	1/0/1900	8 Hours/Day			260	0.00
Year 9	1/0/1900	1/0/1900	8 Hours/Day			260	0.00
Year 10	1/0/1900	1/0/1900	8 Hours/Day			261	0.00
						Total	1.34

Assumptions:

Exposure Duration (ED) is derived by dividing project workdays by total annual workdays (260), assuming 5 workdays a week.

For Annual Workdays

Beginning	End
1/1/2026	12/31/2026
1/1/2027	12/31/2027
1/1/2028	12/31/2028
1/1/2029	12/31/2029
1/1/2030	12/31/2030
1/1/2031	12/31/2031
1/1/2032	12/31/2032
1/1/2033	12/31/2033
1/1/2034	12/31/2034
1/1/2035	12/31/2035

	OEHHA age bin	9<16 years	16<30 years
	exposure year(s)	2026-2027	2028-2033
Dose Exposure Factors:	exposure frequency (days/year)	180	250
	inhalation rate (L/kg-day) [2]	520	240
	inhalation absorption factor	1	1
	conversion factor (mg/µg; m^3/L)	1.0E-06	1.0E-06
Risk Calculation Factors:	age sensitivity factor	3	1
	averaging time (years)	70	70
	per million	1.0E+06	1.0E+06

exposure durations (year) [3]					
Construction Year	3rd Trimester	0 < 2 years	9 < 16 years	16 < 30 years	Total
Year 1				0.79	0.79
Year 2				0.56	0.56
Year 3				0.00	0.00
Year 4				0.00	0.00
Year 5				0.00	0.00
Year 6				0.00	0.00
Year 7				0.00	0.00
Year 8				0.00	0.00
Year 9				0.00	0.00
Year 10				0.00	0.00
	0.00	**0.00**	**0.00**	**1.34**	**1.34**

[1] Chronic Hazards for DPM using the chronic reference exposure level (REL) for the Respiratory Toxicological Endpoint.

[2] Inhalation rate taken as the 95th percentile breathing rates (OEHHA, 2015).

[3] Construction durations determined for each year to adjust receptor exposures to the exposure durations for each construction year (see App A - Construction Emissions).

Receptor		MEIR	Weight	Contaminant			Dose (by age bin)					Carcinogenic Risks (by age bin)					**Total Cancer Risk**	**Chronic Hazards [1]**	
		Conc.	Fraction		URF	CPF	3rd Trimester	0 < 2 years	2 < 9 years	9<16 years	16<30 years	3rd Trimester	0 < 2 years	2 < 9 years	9<16 years	16<30 years		Chronic REL	RESP
X	Y	($\mu g/m^3$)			$(\mu g/m^3)^{-1}$	$(mg/kg/day)^{-1}$	(mg/kg-day)	(mg/kg-day)	(mg/kg-day)	(mg/kg-day)	(mg/kg-day)	per million	per million	per million	per million	per million	per million	($\mu g/m^3$)	
		(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)
309205.37	3917534.6	8.35E-04	1.00E+00	DPM	3.0E-04	1.1E+00					1.37E-07					1.14E-03	1.14E-03	5.0E+00	1.67E-04
309128.13	3917544.38	6.84E-04	1.00E+00								1.13E-07					9.38E-04	9.38E-04		1.37E-04
309126.28	3917515.4	6.73E-04	1.00E+00								1.11E-07					9.21E-04	9.21E-04		1.35E-04
309126.9	3917484.57	6.69E-04	1.00E+00								1.10E-07					9.16E-04	9.16E-04		1.34E-04
309109.63	3917481.49	6.39E-04	1.00E+00								1.05E-07					8.75E-04	8.75E-04		1.28E-04
309109.63	3917515.4	6.45E-04	1.00E+00								1.06E-07					8.83E-04	8.83E-04		1.29E-04
309109.63	3917544.38	6.54E-04	1.00E+00								1.08E-07					8.96E-04	8.96E-04		1.31E-04
309057.22	3917531.43	5.73E-04	1.00E+00								9.42E-08					7.85E-04	7.85E-04		1.15E-04
309056.6	3917490.74	5.61E-04	1.00E+00								9.22E-08					7.68E-04	7.68E-04		1.12E-04
309055.37	3917467.92	5.54E-04	1.00E+00								9.11E-08					7.59E-04	7.59E-04		1.11E-04
309058.45	3917445.72	5.53E-04	1.00E+00								9.09E-08					7.57E-04	7.57E-04		1.11E-04
309018.37	3917425.37	4.94E-04	1.00E+00								8.12E-08					6.77E-04	6.77E-04		9.88E-05
309016.52	3917440.17	4.97E-04	1.00E+00								8.17E-08					6.81E-04	6.81E-04		9.94E-05
309017.75	3917461.75	5.04E-04	1.00E+00								8.29E-08					6.91E-04	6.91E-04		1.01E-04
309015.9	3917479.02	5.07E-04	1.00E+00								8.33E-08					6.94E-04	6.94E-04		1.01E-04
309015.29	3917527.73	5.20E-04	1.00E+00								8.54E-08					7.12E-04	7.12E-04		1.04E-04
309014.05	3917551.78	5.31E-04	1.00E+00								8.72E-08					7.27E-04	7.27E-04		1.06E-04
309056.59	3917294.28	4.62E-04	1.00E+00								7.59E-08					6.33E-04	6.33E-04		9.24E-05
309044.36	3917294.28	4.47E-04	1.00E+00								7.34E-08					6.12E-04	6.12E-04		8.93E-05
309012.17	3917196.11	3.14E-04	1.00E+00								5.17E-08					4.31E-04	4.31E-04		6.29E-05
308992.22	3917193.21	2.96E-04	1.00E+00								4.87E-08					4.06E-04	4.06E-04		5.93E-05
308786.69	3917561.72	3.35E-04	1.00E+00								5.51E-08					4.59E-04	4.59E-04		6.70E-05
308879.07	3917651.09	4.02E-04	1.00E+00								6.60E-08					5.50E-04	5.50E-04		8.03E-05
309014.69	3917652.32	5.12E-04	1.00E+00								8.41E-08					7.01E-04	7.01E-04		1.02E-04

309095.56	3917655.22	6.00E-04	1.00E+00							9.86E-08						8.21E-04	8.21E-04	1.20E-04			
309196.25	3917644.08	7.59E-04	1.00E+00							1.25E-07						1.04E-03	1.04E-03	1.52E-04			
309269.32	3917636.06	9.10E-04	1.00E+00							1.50E-07						1.25E-03	1.25E-03	1.82E-04			
309269.32	3917651.66	8.82E-04	1.00E+00							1.45E-07						1.21E-03	1.21E-03	1.76E-04			
309274.22	3917668.14	8.66E-04	1.00E+00							1.42E-07						1.19E-03	1.19E-03	1.73E-04			
309351.75	3917632.05	1.10E-03	1.00E+00							1.81E-07						1.51E-03	1.51E-03	2.20E-04			
309351.75	3917652.1	1.05E-03	1.00E+00							1.72E-07						1.43E-03	1.43E-03	2.09E-04			
309395.86	3917637.4	1.18E-03	1.00E+00							1.94E-07						1.62E-03	1.62E-03	2.36E-04			
309394.97	3917651.66	1.13E-03	1.00E+00							1.86E-07						1.55E-03	1.55E-03	2.27E-04			
309576.3	3917651.21	1.30E-03	1.00E+00							2.14E-07						1.79E-03	1.79E-03	2.61E-04			
309661.85	3917626.71	1.38E-03	1.00E+00							2.27E-07						1.89E-03	1.89E-03	2.76E-04			
309739.32	3917632.76	1.19E-03	1.00E+00							1.96E-07						1.64E-03	1.64E-03	2.39E-04			
309775.71	3917630.91	1.13E-03	1.00E+00							1.86E-07						1.55E-03	1.55E-03	2.26E-04			
309827.51	3917626.59	1.05E-03	1.00E+00							1.72E-07						1.43E-03	1.43E-03	2.09E-04			
309880.55	3917636.46	8.99E-04	1.00E+00							1.48E-07						1.23E-03	1.23E-03	1.80E-04			
309925.57	3917718.48	6.13E-04	1.00E+00							1.01E-07						8.40E-04	8.40E-04	1.23E-04			
309924.33	3917740.07	5.71E-04	1.00E+00							9.38E-08						7.82E-04	7.82E-04	1.14E-04			
309889.8	3917811.61	4.68E-04	1.00E+00							7.70E-08						6.42E-04	6.42E-04	9.37E-05			
309900.9	3917844.29	4.23E-04	1.00E+00							6.96E-08						5.80E-04	5.80E-04	8.47E-05			
309846.63	3917860.94	4.22E-04	1.00E+00							6.93E-08						5.78E-04	5.78E-04	8.43E-05			
309831.83	3917825.79	4.75E-04	1.00E+00							7.80E-08						6.50E-04	6.50E-04	9.49E-05			
309807.77	3917847.38	4.56E-04	1.00E+00							7.50E-08						6.25E-04	6.25E-04	9.13E-05			
309928.2	3917921.64	3.48E-04	1.00E+00							5.72E-08						4.77E-04	4.77E-04	6.96E-05			
309774.55	3917848.23	4.73E-04	1.00E+00							7.78E-08						6.48E-04	6.48E-04	9.47E-05			
309786.51	3917884.94	4.18E-04	1.00E+00							6.88E-08						5.73E-04	5.73E-04	8.37E-05			
309754.92	3917890.91	4.27E-04	1.00E+00							7.01E-08						5.84E-04	5.84E-04	8.53E-05			
309742.12	3917853.35	4.86E-04	1.00E+00							7.99E-08						6.66E-04	6.66E-04	9.72E-05			
309709.68	3917861.04	4.96E-04	1.00E+00							8.16E-08						6.80E-04	6.80E-04	9.92E-05			
309710.54	3917938.71	3.94E-04	1.00E+00							6.48E-08						5.40E-04	5.40E-04	7.88E-05			
309657.61	3917939.57	4.22E-04	1.00E+00							6.93E-08						5.78E-04	5.78E-04	8.44E-05			
309599.57	3917937	4.60E-04	1.00E+00							7.56E-08						6.30E-04	6.30E-04	9.20E-05			
309703.71	3917900.3	4.44E-04	1.00E+00							7.29E-08						6.08E-04	6.08E-04	8.87E-05			
309655.05	3917900.3	4.75E-04	1.00E+00							7.81E-08						6.51E-04	6.51E-04	9.50E-05			
309601.28	3917903.71	5.06E-04	1.00E+00							8.33E-08						6.94E-04	6.94E-04	1.01E-04			
309592.74	3917863.6	5.80E-04	1.00E+00							9.54E-08						7.95E-04	7.95E-04	1.16E-04			
309667.86	3917861.04	5.27E-04	1.00E+00							8.67E-08						7.22E-04	7.22E-04	1.05E-04			
309366.54	3917791.89	7.72E-04	1.00E+00							1.27E-07						1.06E-03	1.06E-03	1.54E-04			
309364.83	3917812.38	7.34E-04	1.00E+00							1.21E-07						1.01E-03	1.01E-03	1.47E-04			
309363.98	3917840.55	6.86E-04	1.00E+00							1.13E-07						9.40E-04	9.40E-04	1.37E-04			
309307.64	3917853.35	6.44E-04	1.00E+00							1.06E-07						8.82E-04	8.82E-04	1.29E-04			
309301.67	3917820.92	6.83E-04	1.00E+00							1.12E-07						9.36E-04	9.36E-04	1.37E-04			
309311.91	3917795.31	7.27E-04	1.00E+00							1.20E-07						9.96E-04	9.96E-04	1.45E-04			
309235.94	3917791.89	6.63E-04	1.00E+00							1.09E-07						9.08E-04	9.08E-04	1.33E-04			
309239.36	3917822.62	6.34E-04	1.00E+00							1.04E-07						8.69E-04	8.69E-04	1.27E-04			
309239.36	3917858.47	5.98E-04	1.00E+00							9.82E-08						8.19E-04	8.19E-04	1.20E-04			
309205.21	3917802.14	6.23E-04	1.00E+00							1.02E-07						8.54E-04	8.54E-04	1.25E-04			
309104.49	3917811.53	5.25E-04	1.00E+00							8.63E-08						7.19E-04	7.19E-04	1.05E-04			
309104.49	3917846.52	5.07E-04	1.00E+00							8.33E-08						6.94E-04	6.94E-04	1.01E-04			
309075.47	3917846.52	4.84E-04	1.00E+00							7.96E-08						6.64E-04	6.64E-04	9.69E-05			
309078.03	3917812.38	5.02E-04	1.00E+00							8.25E-08						6.88E-04	6.88E-04	1.00E-04			
309059.04	3917808.04	4.88E-04	1.00E+00							8.02E-08						6.68E-04	6.68E-04	9.76E-05			
309059.04	3917822.71	4.82E-04	1.00E+00							7.92E-08						6.60E-04	6.60E-04	9.64E-05			
309042.26	3917825.86	4.68E-04	1.00E+00							7.69E-08						6.41E-04	6.41E-04	9.36E-05			
309041.74	3917847.88	4.59E-04	1.00E+00							7.55E-08						6.29E-04	6.29E-04	9.18E-05			
309041.74	3917865.7	4.52E-04	1.00E+00							7.44E-08						6.20E-04	6.20E-04	9.05E-05			
309021.3	3917811.18	4.57E-04	1.00E+00							7.51E-08						6.26E-04	6.26E-04	9.14E-05			
309021.82	3917840.01	4.48E-04	1.00E+00							7.36E-08						6.13E-04	6.13E-04	8.95E-05			
309021.3	3917867.8	4.38E-04	1.00E+00							7.20E-08						6.00E-04	6.00E-04	8.76E-05			
309020.25	3917885.62	4.31E-04	1.00E+00							7.08E-08						5.90E-04	5.90E-04	8.62E-05			
308987.74	3917886.67	4.10E-04	1.00E+00							6.75E-08						5.62E-04	5.62E-04	8.21E-05			
308984.6	3917865.18	4.15E-04	1.00E+00							6.82E-08						5.68E-04	5.68E-04	8.29E-05			
308988.27	3917843.68	4.23E-04	1.00E+00							6.96E-08						5.80E-04	5.80E-04	8.46E-05			
308984.6	3917813.8	4.29E-04	1.00E+00							7.05E-08						5.88E-04	5.88E-04	8.58E-05			
308946.86	3917813.28	4.03E-04	1.00E+00							6.63E-08						5.52E-04	5.52E-04	8.06E-05			
308948.95	3917844.21	3.98E-04	1.00E+00							6.54E-08						5.45E-04	5.45E-04	7.95E-05			
308952.62	3917868.32	3.94E-04	1.00E+00							6.48E-08						5.40E-04	5.40E-04	7.88E-05			
308946.33	3917888.77	3.86E-04	1.00E+00							6.34E-08						5.28E-04	5.28E-04	7.71E-05			
308911.21	3917891.39	3.66E-04	1.00E+00							6.01E-08						5.01E-04	5.01E-04	7.31E-05			
308911.21	3917863.08	3.71E-04	1.00E+00							6.10E-08						5.08E-04	5.08E-04	7.42E-05			
308911.21	3917843.16	3.75E-04	1.00E+00							6.16E-08						5.14E-04	5.14E-04	7.50E-05			
308907.01	3917814.85	3.78E-04	1.00E+00							6.21E-08						5.17E-04	5.17E-04	7.55E-05			
308825.76	3917655.49	3.64E-04	1.00E+00							5.98E-08						4.98E-04	4.98E-04	7.28E-05			

308831	3917707.91	3.49E-04	1.00E+00							5.74E-08						4.78E-04	4.78E-04	6.98E-05	
310062.7	3917617.91	6.72E-04	1.00E+00							1.11E-07						9.21E-04	9.21E-04	1.34E-04	
310057.97	3917649.81	6.01E-04	1.00E+00							9.88E-08						8.24E-04	8.24E-04	1.20E-04	
310065.54	3917531.61	9.24E-04	1.00E+00							1.52E-07						1.27E-03	1.27E-03	1.85E-04	
310076.02	3917532.66	8.93E-04	1.00E+00							1.47E-07						1.22E-03	1.22E-03	1.79E-04	
310091.22	3917531.09	8.58E-04	1.00E+00							1.41E-07						1.18E-03	1.18E-03	1.72E-04	
310134.21	3917531.09	7.62E-04	1.00E+00							1.25E-07						1.04E-03	1.04E-03	1.52E-04	
310150.46	3917529.51	7.34E-04	1.00E+00							1.21E-07						1.01E-03	1.01E-03	1.47E-04	
310173.53	3917530.04	6.92E-04	1.00E+00							1.14E-07						9.48E-04	9.48E-04	1.38E-04	
310123.73	3917492.29	8.95E-04	1.00E+00							1.47E-07						1.23E-03	1.23E-03	1.79E-04	
310156.75	3917498.06	7.97E-04	1.00E+00							1.31E-07						1.09E-03	1.09E-03	1.59E-04	
310174.05	3917499.63	7.57E-04	1.00E+00							1.24E-07						1.04E-03	1.04E-03	1.51E-04	
310237.49	3917521.12	6.09E-04	1.00E+00							1.00E-07						8.35E-04	8.35E-04	1.22E-04	
310251.12	3917488.1	6.51E-04	1.00E+00							1.07E-07						8.92E-04	8.92E-04	1.30E-04	
310300.92	3917510.64	5.47E-04	1.00E+00							8.99E-08						7.49E-04	7.49E-04	1.09E-04	
310211.68	3917430.8	9.09E-04	1.00E+00							1.49E-07						1.25E-03	1.25E-03	1.82E-04	
310241.9	3917417.85	8.85E-04	1.00E+00							1.46E-07						1.21E-03	1.21E-03	1.77E-04	
310269.65	3917401.2	8.79E-04	1.00E+00							1.44E-07						1.20E-03	1.20E-03	1.76E-04	
310256.7	3917372.82	1.03E-03	1.00E+00							1.70E-07						1.42E-03	1.42E-03	2.07E-04	
310229.56	3917386.39	1.06E-03	1.00E+00							1.74E-07						1.45E-03	1.45E-03	2.12E-04	
310194.41	3917397.5	1.13E-03	1.00E+00							1.85E-07						1.54E-03	1.54E-03	2.26E-04	
310180.22	3917367.89	1.39E-03	1.00E+00							2.28E-07						1.90E-03	1.90E-03	2.77E-04	
310217.23	3917356.17	1.28E-03	1.00E+00							2.10E-07						1.75E-03	1.75E-03	2.56E-04	
310250.53	3917337.67	1.23E-03	1.00E+00							2.03E-07						1.69E-03	1.69E-03	2.46E-04	
310237.58	3917307.45	1.48E-03	1.00E+00							2.44E-07						2.03E-03	2.03E-03	2.97E-04	
310204.89	3917317.93	1.63E-03	1.00E+00							2.67E-07						2.23E-03	2.23E-03	3.25E-04	
310165.42	3917336.44	1.76E-03	1.00E+00							2.89E-07						2.40E-03	2.40E-03	3.51E-04	
310157.4	3917311.15	2.11E-03	1.00E+00							3.47E-07						2.89E-03	2.89E-03	4.22E-04	
310214.14	3917281.54	1.86E-03	1.00E+00							3.05E-07						2.54E-03	2.54E-03	3.71E-04	
310153.55	3917200.69	3.93E-03	1.00E+00							6.46E-07						5.39E-03	5.39E-03	7.86E-04	
310102.75	3917212.51	5.56E-03	1.00E+00							9.14E-07						7.62E-03	7.62E-03	1.11E-03	
310085.02	3917249.14	5.05E-03	1.00E+00							8.31E-07						6.92E-03	6.92E-03	1.01E-03	
309698.03	3917026.59	4.80E-03	1.00E+00							7.89E-07						6.57E-03	6.57E-03	9.59E-04	
309662.85	3917024.31	2.45E-03	1.00E+00							4.02E-07						3.35E-03	3.35E-03	4.89E-04	
309636.35	3917025.68	1.81E-03	1.00E+00							2.98E-07						2.48E-03	2.48E-03	3.62E-04	
309564.62	3917163.2	3.88E-03	1.00E+00							6.38E-07						5.32E-03	5.32E-03	7.76E-04	
309385.36	3917044.63	5.23E-04	1.00E+00							8.59E-08						7.16E-04	7.16E-04	1.05E-04	
309401.55	3917154.82	1.05E-03	1.00E+00							1.72E-07						1.44E-03	1.44E-03	2.10E-04	
309389.38	3917154.82	9.84E-04	1.00E+00							1.62E-07						1.35E-03	1.35E-03	1.97E-04	
309377.7	3917155.78	9.32E-04	1.00E+00							1.53E-07						1.28E-03	1.28E-03	1.86E-04	
309365.77	3917155.78	8.79E-04	1.00E+00							1.44E-07						1.20E-03	1.20E-03	1.76E-04	
309540.5	3917300.46	4.41E-03	1.00E+00							7.25E-07						6.05E-03	6.05E-03	8.83E-04	
309540.17	3917307.06	4.36E-03	1.00E+00							7.17E-07						5.98E-03	5.98E-03	8.73E-04	
309540.5	3917317.29	4.30E-03	1.00E+00							7.07E-07						5.89E-03	5.89E-03	8.61E-04	
309540.83	3917327.2	4.23E-03	1.00E+00							6.95E-07						5.79E-03	5.79E-03	8.46E-04	
309548.42	3917229.81	4.60E-03	1.00E+00							7.56E-07						6.30E-03	6.30E-03	9.20E-04	
309496.59	3917195.15	2.47E-03	1.00E+00							4.07E-07						3.39E-03	3.39E-03	4.95E-04	

Risk Summary

MEIR	
310102.75	3917212.51

				MAX=	0.29902		MAX=	0.031059
				MIN=	0.00000		MIN=	0
Receptor		Cancer Risk			Chronic Hazards			
x	y	Year 1	Year 2	Total	Year 1	Year 2	Total	
309205.37	3917534.6	5.20E-02	1.14E-03	**0.05314**	5.34E-03	1.67E-04	**0.00551**	
309128.13	3917544.38	3.47E-02	9.38E-04	**0.03561**	3.56E-03	1.37E-04	**0.00370**	
309126.28	3917515.4	3.44E-02	9.21E-04	**0.03527**	3.53E-03	1.35E-04	**0.00366**	
309126.9	3917484.57	3.41E-02	9.16E-04	**0.03502**	3.50E-03	1.34E-04	**0.00364**	
309109.63	3917481.49	3.16E-02	8.75E-04	**0.03243**	3.24E-03	1.28E-04	**0.00337**	
309109.63	3917515.4	3.22E-02	8.83E-04	**0.03313**	3.31E-03	1.29E-04	**0.00344**	
309109.63	3917544.38	3.25E-02	8.96E-04	**0.03338**	3.34E-03	1.31E-04	**0.00347**	
309057.22	3917531.43	2.77E-02	7.85E-04	**0.02846**	2.84E-03	1.15E-04	**0.00296**	
309056.6	3917490.74	2.70E-02	7.68E-04	**0.02779**	2.78E-03	1.12E-04	**0.00289**	
309055.37	3917467.92	2.65E-02	7.59E-04	**0.02728**	2.73E-03	1.11E-04	**0.00284**	
309058.45	3917445.72	2.63E-02	7.57E-04	**0.02703**	2.70E-03	1.11E-04	**0.00281**	
309018.37	3917425.37	2.38E-02	6.77E-04	**0.02448**	2.45E-03	9.88E-05	**0.00254**	
309016.52	3917440.17	2.39E-02	6.81E-04	**0.02459**	2.46E-03	9.94E-05	**0.00256**	
309017.75	3917461.75	2.43E-02	6.91E-04	**0.02497**	2.50E-03	1.01E-04	**0.00260**	
309015.9	3917479.02	2.44E-02	6.94E-04	**0.02511**	2.51E-03	1.01E-04	**0.00261**	
309015.29	3917527.73	2.50E-02	7.12E-04	**0.02569**	2.57E-03	1.04E-04	**0.00267**	
309014.05	3917551.78	2.51E-02	7.27E-04	**0.02587**	2.58E-03	1.06E-04	**0.00269**	
309056.59	3917294.28	2.38E-02	6.33E-04	**0.02447**	2.45E-03	9.24E-05	**0.00254**	
309044.36	3917294.28	2.33E-02	6.12E-04	**0.02391**	2.39E-03	8.93E-05	**0.00248**	
309012.17	3917196.11	2.03E-02	4.31E-04	**0.02077**	2.09E-03	6.29E-05	**0.00215**	
308992.22	3917193.21	1.96E-02	4.06E-04	**0.02002**	2.02E-03	5.93E-05	**0.00207**	
308786.69	3917561.72	1.68E-02	4.59E-04	**0.01723**	1.72E-03	6.70E-05	**0.00179**	
308879.07	3917651.09	1.94E-02	5.50E-04	**0.01993**	1.99E-03	8.03E-05	**0.00207**	
309014.69	3917652.32	2.47E-02	7.01E-04	**0.02537**	2.54E-03	1.02E-04	**0.00264**	
309095.56	3917655.22	2.95E-02	8.21E-04	**0.03027**	3.03E-03	1.20E-04	**0.00315**	
309196.25	3917644.08	3.97E-02	1.04E-03	**0.04075**	4.08E-03	1.52E-04	**0.00423**	
309269.32	3917636.06	4.92E-02	1.25E-03	**0.05042**	5.05E-03	1.82E-04	**0.00524**	
309269.32	3917651.66	4.58E-02	1.21E-03	**0.04698**	4.70E-03	1.76E-04	**0.00488**	
309274.22	3917668.14	4.32E-02	1.19E-03	**0.04440**	4.44E-03	1.73E-04	**0.00461**	
309351.75	3917632.05	5.75E-02	1.51E-03	**0.05905**	5.91E-03	2.20E-04	**0.00613**	
309351.75	3917652.1	5.20E-02	1.43E-03	**0.05345**	5.35E-03	2.09E-04	**0.00555**	
309395.86	3917637.4	5.95E-02	1.62E-03	**0.06116**	6.12E-03	2.36E-04	**0.00636**	
309394.97	3917651.66	5.55E-02	1.55E-03	**0.05702**	5.70E-03	2.27E-04	**0.00593**	
309576.3	3917651.21	1.02E-01	1.79E-03	**0.10339**	1.04E-02	2.61E-04	**0.01070**	
309661.85	3917626.71	2.49E-01	1.89E-03	**0.25053**	2.56E-02	2.76E-04	**0.02583**	
309739.32	3917632.76	1.45E-01	1.64E-03	**0.14693**	1.49E-02	2.39E-04	**0.01517**	
309775.71	3917630.91	1.08E-01	1.55E-03	**0.10968**	1.11E-02	2.26E-04	**0.01134**	
309827.51	3917626.59	7.77E-02	1.43E-03	**0.07916**	7.99E-03	2.09E-04	**0.00820**	
309880.55	3917636.46	5.08E-02	1.23E-03	**0.05207**	5.22E-03	1.80E-04	**0.00540**	
309925.57	3917718.48	2.32E-02	8.40E-04	**0.02399**	2.38E-03	1.23E-04	**0.00250**	
309924.33	3917740.07	2.06E-02	7.82E-04	**0.02141**	2.12E-03	1.14E-04	**0.00223**	
309889.8	3917811.61	1.62E-02	6.42E-04	**0.01680**	1.66E-03	9.37E-05	**0.00175**	
309900.9	3917844.29	1.36E-02	5.80E-04	**0.01416**	1.40E-03	8.47E-05	**0.00148**	
309846.63	3917860.94	1.48E-02	5.78E-04	**0.01536**	1.52E-03	8.43E-05	**0.00160**	
309831.83	3917825.79	1.81E-02	6.50E-04	**0.01875**	1.86E-03	9.49E-05	**0.00196**	
309807.77	3917847.38	1.76E-02	6.25E-04	**0.01820**	1.81E-03	9.13E-05	**0.00190**	
309928.2	3917921.64	9.60E-03	4.77E-04	**0.01008**	9.87E-04	6.96E-05	**0.00106**	
309774.55	3917848.23	1.92E-02	6.48E-04	**0.01985**	1.97E-03	9.47E-05	**0.00207**	
309786.51	3917884.94	1.57E-02	5.73E-04	**0.01630**	1.62E-03	8.37E-05	**0.00170**	
309754.92	3917890.91	1.66E-02	5.84E-04	**0.01717**	1.70E-03	8.53E-05	**0.00179**	
309742.12	3917853.35	2.04E-02	6.66E-04	**0.02103**	2.09E-03	9.72E-05	**0.00219**	
309709.68	3917861.04	2.12E-02	6.80E-04	**0.02183**	2.17E-03	9.92E-05	**0.00227**	
309710.54	3917938.71	1.50E-02	5.40E-04	**0.01549**	1.54E-03	7.88E-05	**0.00162**	
309657.61	3917939.57	1.65E-02	5.78E-04	**0.01708**	1.70E-03	8.44E-05	**0.00178**	
309599.57	3917937	1.85E-02	6.30E-04	**0.01909**	1.90E-03	9.20E-05	**0.00199**	

309703.71	3917900.3	1.78E-02	6.08E-04	**0.01844**	1.83E-03	8.87E-05	**0.00192**
309655.05	3917900.3	1.97E-02	6.51E-04	**0.02031**	2.02E-03	9.50E-05	**0.00211**
309601.28	3917903.71	2.13E-02	6.94E-04	**0.02196**	2.19E-03	1.01E-04	**0.00229**
309592.74	3917863.6	2.61E-02	7.95E-04	**0.02687**	2.68E-03	1.16E-04	**0.00280**
309667.86	3917861.04	2.31E-02	7.22E-04	**0.02385**	2.38E-03	1.05E-04	**0.00248**
309366.54	3917791.89	3.26E-02	1.06E-03	**0.03363**	3.35E-03	1.54E-04	**0.00350**
309364.83	3917812.38	3.05E-02	1.01E-03	**0.03155**	3.14E-03	1.47E-04	**0.00329**
309363.98	3917840.55	2.80E-02	9.40E-04	**0.02898**	2.88E-03	1.37E-04	**0.00302**
309307.64	3917853.35	2.58E-02	8.82E-04	**0.02671**	2.65E-03	1.29E-04	**0.00278**
309301.67	3917820.92	2.81E-02	9.36E-04	**0.02903**	2.89E-03	1.37E-04	**0.00302**
309311.91	3917795.31	3.05E-02	9.96E-04	**0.03148**	3.13E-03	1.45E-04	**0.00328**
309235.94	3917791.89	2.85E-02	9.08E-04	**0.02937**	2.92E-03	1.33E-04	**0.00306**
309239.36	3917822.62	2.64E-02	8.69E-04	**0.02728**	2.71E-03	1.27E-04	**0.00284**
309239.36	3917858.47	2.41E-02	8.19E-04	**0.02496**	2.48E-03	1.20E-04	**0.00260**
309205.21	3917802.14	2.69E-02	8.54E-04	**0.02771**	2.76E-03	1.25E-04	**0.00288**
309104.49	3917811.53	2.34E-02	7.19E-04	**0.02416**	2.41E-03	1.05E-04	**0.00251**
309104.49	3917846.52	2.19E-02	6.94E-04	**0.02261**	2.25E-03	1.01E-04	**0.00235**
309075.47	3917846.52	2.12E-02	6.64E-04	**0.02190**	2.18E-03	9.69E-05	**0.00228**
309078.03	3917812.38	2.26E-02	6.88E-04	**0.02333**	2.33E-03	1.00E-04	**0.00243**
309059.04	3917808.04	2.22E-02	6.68E-04	**0.02292**	2.29E-03	9.76E-05	**0.00238**
309059.04	3917822.71	2.17E-02	6.60E-04	**0.02238**	2.23E-03	9.64E-05	**0.00233**
309042.26	3917825.86	2.12E-02	6.41E-04	**0.02180**	2.17E-03	9.36E-05	**0.00227**
309041.74	3917847.88	2.04E-02	6.29E-04	**0.02104**	2.10E-03	9.18E-05	**0.00219**
309041.74	3917865.7	1.98E-02	6.20E-04	**0.02043**	2.04E-03	9.05E-05	**0.00213**
309021.3	3917811.18	2.11E-02	6.26E-04	**0.02169**	2.16E-03	9.14E-05	**0.00226**
309021.82	3917840.01	2.02E-02	6.13E-04	**0.02080**	2.08E-03	8.95E-05	**0.00216**
309021.3	3917867.8	1.93E-02	6.00E-04	**0.01992**	1.99E-03	8.76E-05	**0.00207**
309020.25	3917885.62	1.88E-02	5.90E-04	**0.01934**	1.93E-03	8.62E-05	**0.00201**
308987.74	3917886.67	1.81E-02	5.62E-04	**0.01868**	1.86E-03	8.21E-05	**0.00194**
308984.6	3917865.18	1.86E-02	5.68E-04	**0.01920**	1.92E-03	8.29E-05	**0.00200**
308988.27	3917843.68	1.93E-02	5.80E-04	**0.01988**	1.98E-03	8.46E-05	**0.00207**
308984.6	3917813.8	2.00E-02	5.88E-04	**0.02058**	2.06E-03	8.58E-05	**0.00214**
308946.86	3917813.28	1.91E-02	5.52E-04	**0.01960**	1.96E-03	8.06E-05	**0.00204**
308948.95	3917844.21	1.84E-02	5.45E-04	**0.01895**	1.89E-03	7.95E-05	**0.00197**
308952.62	3917868.32	1.79E-02	5.40E-04	**0.01845**	1.84E-03	7.88E-05	**0.00192**
308946.33	3917888.77	1.73E-02	5.28E-04	**0.01784**	1.78E-03	7.71E-05	**0.00186**
308911.21	3917891.39	1.66E-02	5.01E-04	**0.01714**	1.71E-03	7.31E-05	**0.00178**
308911.21	3917863.08	1.72E-02	5.08E-04	**0.01773**	1.77E-03	7.42E-05	**0.00184**
308911.21	3917843.16	1.76E-02	5.14E-04	**0.01814**	1.81E-03	7.50E-05	**0.00189**
308907.01	3917814.85	1.81E-02	5.17E-04	**0.01859**	1.86E-03	7.55E-05	**0.00193**
308825.76	3917655.49	1.78E-02	4.98E-04	**0.01830**	1.83E-03	7.28E-05	**0.00190**
308831	3917707.91	1.76E-02	4.78E-04	**0.01804**	1.80E-03	6.98E-05	**0.00187**
310062.7	3917617.91	2.25E-02	9.21E-04	**0.02342**	2.31E-03	1.34E-04	**0.00245**
310057.97	3917649.81	1.97E-02	8.24E-04	**0.02053**	2.03E-03	1.20E-04	**0.00215**
310065.54	3917531.61	3.45E-02	1.27E-03	**0.03580**	3.55E-03	1.85E-04	**0.00373**
310076.02	3917532.66	3.23E-02	1.22E-03	**0.03354**	3.32E-03	1.79E-04	**0.00350**
310091.22	3917531.09	3.00E-02	1.18E-03	**0.03114**	3.08E-03	1.72E-04	**0.00325**
310134.21	3917531.09	2.43E-02	1.04E-03	**0.02537**	2.50E-03	1.52E-04	**0.00265**
310150.46	3917529.51	2.29E-02	1.01E-03	**0.02388**	2.35E-03	1.47E-04	**0.00250**
310173.53	3917530.04	2.09E-02	9.48E-04	**0.02181**	2.14E-03	1.38E-04	**0.00228**
310123.73	3917492.29	3.07E-02	1.23E-03	**0.03194**	3.16E-03	1.79E-04	**0.00334**
310156.75	3917498.06	2.57E-02	1.09E-03	**0.02677**	2.64E-03	1.59E-04	**0.00280**
310174.05	3917499.63	2.38E-02	1.04E-03	**0.02481**	2.44E-03	1.51E-04	**0.00259**
310237.49	3917521.12	1.74E-02	8.35E-04	**0.01825**	1.79E-03	1.22E-04	**0.00191**
310251.12	3917488.1	1.88E-02	8.92E-04	**0.01972**	1.93E-03	1.30E-04	**0.00207**
310300.92	3917510.64	1.48E-02	7.49E-04	**0.01555**	1.52E-03	1.09E-04	**0.00163**
310211.68	3917430.8	2.79E-02	1.25E-03	**0.02915**	2.87E-03	1.82E-04	**0.00305**
310241.9	3917417.85	2.58E-02	1.21E-03	**0.02699**	2.65E-03	1.77E-04	**0.00283**
310269.65	3917401.2	2.43E-02	1.20E-03	**0.02550**	2.50E-03	1.76E-04	**0.00267**
310256.7	3917372.82	2.88E-02	1.42E-03	**0.03023**	2.96E-03	2.07E-04	**0.00317**
310229.56	3917386.39	3.11E-02	1.45E-03	**0.03257**	3.20E-03	2.12E-04	**0.00341**
310194.41	3917397.5	3.54E-02	1.54E-03	**0.03693**	3.64E-03	2.26E-04	**0.00386**
310180.22	3917367.89	4.41E-02	1.90E-03	**0.04604**	4.54E-03	2.77E-04	**0.00481**
310217.23	3917356.17	3.79E-02	1.75E-03	**0.03966**	3.90E-03	2.56E-04	**0.00415**
310250.53	3917337.67	3.45E-02	1.69E-03	**0.03622**	3.55E-03	2.46E-04	**0.00380**

310237.58	3917307.45	4.28E-02	2.03E-03	**0.04486**	4.40E-03	2.97E-04	**0.00470**
310204.89	3917317.93	4.92E-02	2.23E-03	**0.05140**	5.05E-03	3.25E-04	**0.00538**
310165.42	3917336.44	5.70E-02	2.40E-03	**0.05938**	5.86E-03	3.51E-04	**0.00621**
310157.4	3917311.15	7.00E-02	2.89E-03	**0.07284**	7.19E-03	4.22E-04	**0.00761**
310214.14	3917281.54	5.66E-02	2.54E-03	**0.05914**	5.82E-03	3.71E-04	**0.00619**
310153.55	3917200.69	1.59E-01	5.39E-03	**0.16397**	1.63E-02	7.86E-04	**0.01708**
310102.75	3917212.51	2.91E-01	7.62E-03	**0.29902**	2.99E-02	1.11E-03	**0.03106**
310085.02	3917249.14	2.56E-01	6.92E-03	**0.26304**	2.63E-02	1.01E-03	**0.02733**
309698.03	3917026.59	6.04E-02	6.57E-03	**0.06694**	6.20E-03	9.59E-04	**0.00716**
309662.85	3917024.31	5.45E-02	3.35E-03	**0.05785**	5.60E-03	4.89E-04	**0.00609**
309636.35	3917025.68	5.15E-02	2.48E-03	**0.05399**	5.29E-03	3.62E-04	**0.00566**
309564.62	3917163.2	7.63E-02	5.32E-03	**0.08159**	7.84E-03	7.76E-04	**0.00861**
309385.36	3917044.63	3.22E-02	7.16E-04	**0.03288**	3.31E-03	1.05E-04	**0.00341**
309401.55	3917154.82	4.50E-02	1.44E-03	**0.04644**	4.62E-03	2.10E-04	**0.00483**
309389.38	3917154.82	4.35E-02	1.35E-03	**0.04482**	4.47E-03	1.97E-04	**0.00466**
309377.7	3917155.78	4.21E-02	1.28E-03	**0.04342**	4.33E-03	1.86E-04	**0.00452**
309365.77	3917155.78	4.08E-02	1.20E-03	**0.04200**	4.19E-03	1.76E-04	**0.00437**
309540.5	3917300.46	1.01E-01	6.05E-03	**0.10662**	1.03E-02	8.83E-04	**0.01122**
309540.17	3917307.06	1.02E-01	5.98E-03	**0.10804**	1.05E-02	8.73E-04	**0.01136**
309540.5	3917317.29	1.05E-01	5.89E-03	**0.11064**	1.08E-02	8.61E-04	**0.01163**
309540.83	3917327.2	1.08E-01	5.79E-03	**0.11342**	1.11E-02	8.46E-04	**0.01191**
309548.42	3917229.81	8.78E-02	6.30E-03	**0.09411**	9.02E-03	9.20E-04	**0.00994**
309496.59	3917195.15	6.67E-02	3.39E-03	**0.07008**	6.85E-03	4.95E-04	**0.00735**

Appendix D2. Air Dispersion Model Output

```
*** AERMOD - VERSION 24142  ***   *** Health Risk Assessment                                                    ***        02/08/26
*** AERMET - VERSION  21112 ***   *** Rosedale and Coffee Project                                               ***        23:16:05
                                                                                                                        PAGE   1
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                          ***     MODEL SETUP OPTIONS SUMMARY       ***
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

** Model Options Selected:
     * Model Uses Regulatory DEFAULT Options
     * Model Is Setup For Calculation of Average CONCentration Values.
     * NO GAS DEPOSITION Data Provided.
     * NO PARTICLE DEPOSITION Data Provided.
     * Model Uses NO DRY DEPLETION. DDPLETE  =  F
     * Model Uses NO WET DEPLETION. WETDPLT  =  F
     * Stack-tip Downwash.
     * Model Accounts for ELEVated Terrain Effects.
     * Use Calms Processing Routine.
     * Use Missing Data Processing Routine.
     * No Exponential Decay.
     * Model Uses URBAN Dispersion Algorithm for the SBL for    89 Source(s),
       for Total of    1 Urban Area(s):
  Urban Population =    917673.0 ;  Urban Roughness Length =  1.000 m
     * Urban Roughness Length of 1.0 Meter Used.
     * ADJ_U*   - Use ADJ_U* option for SBL in AERMET
     * CCVR_Sub - Meteorological data includes CCVR substitutions
     * TEMP_Sub - Meteorological data includes TEMP substitutions
     * Model Assumes No FLAGPOLE Receptor Heights.
     * The User Specified a Pollutant Type of: OTHER

**Model Calculates PERIOD Averages Only

**This Run Includes:     89 Source(s);       4 Source Group(s); and     848 Receptor(s)

               with:      0 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:     85 VOLUME source(s)
                and:      4 AREA type source(s)
                and:      0 LINE source(s)
                and:      0 RLINE/RLINEXT source(s)
                and:      0 OPENPIT source(s)
                and:      0 BUOYANT LINE source(s) with a total of     0 line(s)
                and:      0 SWPOINT source(s)


**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date:  21112

**Output Options Selected:
```

```
         Model Outputs Tables of PERIOD Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   150.00 ;  Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                              ;  Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =      3.8 MB of RAM.

**Input Runstream File:          aermod.inp
**Output Print File:             aermod.out

**Detailed Error/Message File:   LOKH-01.err
**File for Summary of Results:   LOKH-01.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000381	0	0.12250E-01	308769.5	3917609.4	116.4	4.15	16.28	3.26	YES	HRDOW	NO
L0000382	0	0.12250E-01	308804.5	3917608.4	116.4	4.15	16.28	3.26	YES	HRDOW	NO
L0000383	0	0.12250E-01	308839.5	3917607.5	116.2	4.15	16.28	3.26	YES	HRDOW	NO
L0000384	0	0.12250E-01	308874.5	3917606.5	116.1	4.15	16.28	3.26	YES	HRDOW	NO
L0000385	0	0.12250E-01	308909.5	3917605.5	116.1	4.15	16.28	3.26	YES	HRDOW	NO
L0000386	0	0.12250E-01	308944.5	3917604.6	116.1	4.15	16.28	3.26	YES	HRDOW	NO
L0000387	0	0.12250E-01	308979.5	3917603.6	116.1	4.15	16.28	3.26	YES	HRDOW	NO
L0000388	0	0.12250E-01	309014.4	3917602.6	116.1	4.15	16.28	3.26	YES	HRDOW	NO
L0000389	0	0.12250E-01	309049.4	3917601.7	116.0	4.15	16.28	3.26	YES	HRDOW	NO
L0000390	0	0.12250E-01	309084.4	3917600.7	115.8	4.15	16.28	3.26	YES	HRDOW	NO
L0000391	0	0.12250E-01	309119.4	3917599.7	115.8	4.15	16.28	3.26	YES	HRDOW	NO
L0000392	0	0.12250E-01	309154.4	3917598.7	115.8	4.15	16.28	3.26	YES	HRDOW	NO
L0000393	0	0.12250E-01	309189.4	3917597.8	115.5	4.15	16.28	3.26	YES	HRDOW	NO
L0000394	0	0.12250E-01	309224.4	3917596.8	115.6	4.15	16.28	3.26	YES	HRDOW	NO
L0000395	0	0.12250E-01	309259.3	3917595.8	115.8	4.15	16.28	3.26	YES	HRDOW	NO
L0000396	0	0.12250E-01	309294.3	3917594.9	115.8	4.15	16.28	3.26	YES	HRDOW	NO
L0000397	0	0.12250E-01	309329.3	3917593.9	115.8	4.15	16.28	3.26	YES	HRDOW	NO
L0000398	0	0.12250E-01	309364.3	3917592.9	115.8	4.15	16.28	3.26	YES	HRDOW	NO
L0000399	0	0.12250E-01	309399.3	3917592.0	115.9	4.15	16.28	3.26	YES	HRDOW	NO
L0000400	0	0.12250E-01	309434.3	3917591.0	115.9	4.15	16.28	3.26	YES	HRDOW	NO
L0000401	0	0.12250E-01	309469.3	3917590.0	116.2	4.15	16.28	3.26	YES	HRDOW	NO
L0000402	0	0.12250E-01	309504.2	3917589.1	116.6	4.15	16.28	3.26	YES	HRDOW	NO
L0000403	0	0.12250E-01	309539.2	3917588.1	116.9	4.15	16.28	3.26	YES	HRDOW	NO
L0000404	0	0.12250E-01	309574.2	3917587.1	117.0	4.15	16.28	3.26	YES	HRDOW	NO
L0000405	0	0.12250E-01	309609.2	3917586.1	117.0	4.15	16.28	3.26	YES	HRDOW	NO
L0000406	0	0.12250E-01	309644.2	3917585.2	117.2	4.15	16.28	3.26	YES	HRDOW	NO
L0000407	0	0.12250E-01	309679.2	3917584.2	117.3	4.15	16.28	3.26	YES	HRDOW	NO
L0000408	0	0.12250E-01	309714.2	3917583.2	117.3	4.15	16.28	3.26	YES	HRDOW	NO
L0000409	0	0.12250E-01	309749.2	3917582.3	117.3	4.15	16.28	3.26	YES	HRDOW	NO
L0000410	0	0.12250E-01	309784.1	3917581.3	117.5	4.15	16.28	3.26	YES	HRDOW	NO
L0000411	0	0.12250E-01	309819.1	3917580.3	117.6	4.15	16.28	3.26	YES	HRDOW	NO
L0000412	0	0.12250E-01	309854.1	3917579.4	118.0	4.15	16.28	3.26	YES	HRDOW	NO
L0000413	0	0.12250E-01	309889.1	3917578.4	118.5	4.15	16.28	3.26	YES	HRDOW	NO
L0000414	0	0.12250E-01	309924.1	3917577.4	118.8	4.15	16.28	3.26	YES	HRDOW	NO
L0000415	0	0.12250E-01	309959.1	3917576.5	118.8	4.15	16.28	3.26	YES	HRDOW	NO
L0000416	0	0.12250E-01	309994.1	3917575.5	118.8	4.15	16.28	3.26	YES	HRDOW	NO
L0000417	0	0.12250E-01	310029.0	3917574.5	118.8	4.15	16.28	3.26	YES	HRDOW	NO

L0000418	0	0.12250E-01	310064.0	3917573.5	118.8	4.15	16.28	3.26	YES	HRDOW	NO
L0000419	0	0.12250E-01	310099.0	3917572.6	118.8	4.15	16.28	3.26	YES	HRDOW	NO
L0000420	0	0.12250E-01	310134.0	3917571.6	119.0	4.15	16.28	3.26	YES	HRDOW	NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000421	0	0.12250E-01	310169.0	3917570.6	119.1	4.15	16.28	3.26	YES	HRDOW	NO
L0000422	0	0.12250E-01	310204.0	3917569.7	119.1	4.15	16.28	3.26	YES	HRDOW	NO
L0000423	0	0.12250E-01	310239.0	3917568.7	118.9	4.15	16.28	3.26	YES	HRDOW	NO
L0000424	0	0.12250E-01	310274.0	3917567.7	118.9	4.15	16.28	3.26	YES	HRDOW	NO
L0000425	0	0.12250E-01	310308.9	3917566.8	118.9	4.15	16.28	3.26	YES	HRDOW	NO
L0000426	0	0.11219E-01	309966.5	3917958.8	117.4	4.15	14.88	3.26	YES	HRDOW	NO
L0000427	0	0.11219E-01	309969.3	3917927.0	117.3	4.15	14.88	3.26	YES	HRDOW	NO
L0000428	0	0.11219E-01	309972.1	3917895.1	117.4	4.15	14.88	3.26	YES	HRDOW	NO
L0000429	0	0.11219E-01	309974.0	3917863.2	117.6	4.15	14.88	3.26	YES	HRDOW	NO
L0000430	0	0.11219E-01	309973.1	3917831.2	117.7	4.15	14.88	3.26	YES	HRDOW	NO
L0000431	0	0.11219E-01	309972.1	3917799.2	117.7	4.15	14.88	3.26	YES	HRDOW	NO
L0000432	0	0.11219E-01	309971.2	3917767.2	117.8	4.15	14.88	3.26	YES	HRDOW	NO
L0000433	0	0.11219E-01	309970.2	3917735.2	118.0	4.15	14.88	3.26	YES	HRDOW	NO
L0000434	0	0.11219E-01	309969.3	3917703.2	118.0	4.15	14.88	3.26	YES	HRDOW	NO
L0000435	0	0.11219E-01	309968.3	3917671.3	118.1	4.15	14.88	3.26	YES	HRDOW	NO
L0000436	0	0.11219E-01	309967.4	3917639.3	118.3	4.15	14.88	3.26	YES	HRDOW	NO
L0000437	0	0.11219E-01	309966.4	3917607.3	118.5	4.15	14.88	3.26	YES	HRDOW	NO
L0000438	0	0.11219E-01	309965.5	3917575.3	118.8	4.15	14.88	3.26	YES	HRDOW	NO
L0000439	0	0.11219E-01	309964.5	3917543.3	119.1	4.15	14.88	3.26	YES	HRDOW	NO
L0000440	0	0.11219E-01	309963.6	3917511.3	118.9	4.15	14.88	3.26	YES	HRDOW	NO
L0000441	0	0.11219E-01	309962.6	3917479.3	118.5	4.15	14.88	3.26	YES	HRDOW	NO
L0000442	0	0.11219E-01	309961.7	3917447.4	117.9	4.15	14.88	3.26	YES	HRDOW	NO
L0000443	0	0.11219E-01	309960.7	3917415.4	117.6	4.15	14.88	3.26	YES	HRDOW	NO
L0000444	0	0.11219E-01	309959.8	3917383.4	117.5	4.15	14.88	3.26	YES	HRDOW	NO
L0000445	0	0.11219E-01	309958.8	3917351.4	117.6	4.15	14.88	3.26	YES	HRDOW	NO
L0000446	0	0.11219E-01	309957.9	3917319.4	117.6	4.15	14.88	3.26	YES	HRDOW	NO
L0000447	0	0.11219E-01	309956.9	3917287.4	117.7	4.15	14.88	3.26	YES	HRDOW	NO
L0000448	0	0.11219E-01	309955.6	3917255.5	118.0	4.15	14.88	3.26	YES	HRDOW	NO
L0000449	0	0.11219E-01	309949.3	3917224.1	118.0	4.15	14.88	3.26	YES	HRDOW	NO
L0000450	0	0.11219E-01	309943.1	3917192.7	118.0	4.15	14.88	3.26	YES	HRDOW	NO
L0000451	0	0.11219E-01	309935.8	3917161.7	117.9	4.15	14.88	3.26	YES	HRDOW	NO
L0000452	0	0.11219E-01	309923.5	3917132.1	117.8	4.15	14.88	3.26	YES	HRDOW	NO
L0000453	0	0.11219E-01	309911.1	3917102.6	117.7	4.15	14.88	3.26	YES	HRDOW	NO
L0000454	0	0.11219E-01	309898.8	3917073.1	117.6	4.15	14.88	3.26	YES	HRDOW	NO
L0000455	0	0.11219E-01	309886.5	3917043.5	117.6	4.15	14.88	3.26	YES	HRDOW	NO
L0000456	0	0.11219E-01	309874.1	3917014.0	117.6	4.15	14.88	3.26	YES	HRDOW	NO
L0000457	0	0.11219E-01	309861.8	3916984.5	117.5	4.15	14.88	3.26	YES	HRDOW	NO

L0000458	0	0.11219E-01	309850.0	3916954.8	117.5	4.15	14.88	3.26	YES	HRDOW	NO
L0000459	0	0.11219E-01	309840.9	3916924.1	117.6	4.15	14.88	3.26	YES	HRDOW	NO
L0000460	0	0.11219E-01	309831.8	3916893.4	117.8	4.15	14.88	3.26	YES	HRDOW	NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000461	0	0.11219E-01	309822.7	3916862.7	118.2	4.15	14.88	3.26	YES	HRDOW	NO
L0000462	0	0.11219E-01	309814.5	3916831.9	118.7	4.15	14.88	3.26	YES	HRDOW	NO
L0000463	0	0.11219E-01	309812.3	3916800.0	118.9	4.15	14.88	3.26	YES	HRDOW	NO
L0000464	0	0.11219E-01	309810.0	3916768.0	118.8	4.15	14.88	3.26	YES	HRDOW	NO
L0000465	0	0.11219E-01	309807.7	3916736.1	118.5	4.15	14.88	3.26	YES	HRDOW	NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
ONSITE	0	0.14667E-04	309232.9	3917569.9	115.8	4.15	20	1.93	YES	HRDOW	NO
ONSITE2	0	0.48828E-04	309679.2	3917205.3	117.1	4.15	13	1.93	YES	HRDOW	NO
ONSITE3	0	0.10976E-02	309743.3	3917581.8	117.3	4.15	4	1.93	YES	HRDOW	NO
ONSITE4	0	0.20373E-01	309970.3	3917236.3	118.0	4.15	6	1.93	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
HAUL	L0000381 , L0000382 , L0000383 , L0000384 , L0000385 , L0000386 , L0000387 , L0000388 ,
	L0000389 , L0000390 , L0000391 , L0000392 , L0000393 , L0000394 , L0000395 , L0000396 ,
	L0000397 , L0000398 , L0000399 , L0000400 , L0000401 , L0000402 , L0000403 , L0000404 ,
	L0000405 , L0000406 , L0000407 , L0000408 , L0000409 , L0000410 , L0000411 , L0000412 ,
	L0000413 , L0000414 , L0000415 , L0000416 , L0000417 , L0000418 , L0000419 , L0000420 ,
	L0000421 , L0000422 , L0000423 , L0000424 , L0000425 , L0000426 , L0000427 , L0000428 ,
	L0000429 , L0000430 , L0000431 , L0000432 , L0000433 , L0000434 , L0000435 , L0000436 ,
	L0000437 , L0000438 , L0000439 , L0000440 , L0000441 , L0000442 , L0000443 , L0000444 ,
	L0000445 , L0000446 , L0000447 , L0000448 , L0000449 , L0000450 , L0000451 , L0000452 ,
	L0000453 , L0000454 , L0000455 , L0000456 , L0000457 , L0000458 , L0000459 , L0000460 ,
	L0000461 , L0000462 , L0000463 , L0000464 , L0000465 ,
PHASE1	ONSITE , ONSITE3 , ONSITE4 ,
PHASE2	ONSITE2 ,
ALLAREA	ONSITE , ONSITE2 , ONSITE3 , ONSITE4 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	917673.	ONSITE , ONSITE2 , ONSITE3 , ONSITE4 , L0000381 , L0000382 , L0000383 , L0000384 ,
		L0000385 , L0000386 , L0000387 , L0000388 , L0000389 , L0000390 , L0000391 , L0000392 ,
		L0000393 , L0000394 , L0000395 , L0000396 , L0000397 , L0000398 , L0000399 , L0000400 ,
		L0000401 , L0000402 , L0000403 , L0000404 , L0000405 , L0000406 , L0000407 , L0000408 ,
		L0000409 , L0000410 , L0000411 , L0000412 , L0000413 , L0000414 , L0000415 , L0000416 ,
		L0000417 , L0000418 , L0000419 , L0000420 , L0000421 , L0000422 , L0000423 , L0000424 ,
		L0000425 , L0000426 , L0000427 , L0000428 , L0000429 , L0000430 , L0000431 , L0000432 ,
		L0000433 , L0000434 , L0000435 , L0000436 , L0000437 , L0000438 , L0000439 , L0000440 ,
		L0000441 , L0000442 , L0000443 , L0000444 , L0000445 , L0000446 , L0000447 , L0000448 ,
		L0000449 , L0000450 , L0000451 , L0000452 , L0000453 , L0000454 , L0000455 , L0000456 ,
		L0000457 , L0000458 , L0000459 , L0000460 , L0000461 , L0000462 , L0000463 , L0000464 ,
		L0000465 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = ONSITE ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = ONSITE2 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = ONSITE3 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
						DAY OF WEEK = WEEKDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						DAY OF WEEK = SATURDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						DAY OF WEEK = SUNDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000381-L0000465 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

1 1 1

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*** AERMOD - VERSION 24142  ***   *** Health Risk Assessment                                          ***        02/08/26
*** AERMET - VERSION  21112 ***   *** Rosedale and Coffee Project                                     ***        23:16:05
                                                                                                               PAGE 108
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                  *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

  Surface file:   Met Data\Bakersfield_18-22.SFC                                          Met Version:  21112
  Profile file:   Met Data\Bakersfield_18-22.PFL
  Surface format: FREE
  Profile format: FREE
  Surface station no.:    23155                 Upper air station no.:    23230
                Name: UNKNOWN                                 Name: OAKLAND/WSO_AP
                Year:   2018                                  Year:   2018

 First 24 hours of scalar data
 YR MO DY JDY HR     H0     U*     W*  DT/DZ ZICNV ZIMCH  M-O LEN    Z0  BOWEN ALBEDO  REF WS   WD     HT  REF TA     HT
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 18 01 01   1 01 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.03   0.94   1.00    0.00    0.   10.0  280.4    2.0
 18 01 01   1 02 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.03   0.94   1.00    0.00    0.   10.0  279.9    2.0
 18 01 01   1 03   -5.6  0.097 -9.000 -9.000 -999.   72.     14.5  0.03   0.94   1.00    1.59  113.   10.0  280.9    2.0
 18 01 01   1 04   -4.7  0.088 -9.000 -9.000 -999.   63.     13.2  0.03   0.94   1.00    1.45  116.   10.0  279.2    2.0
 18 01 01   1 05 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.03   0.94   1.00    0.00    0.   10.0  278.1    2.0
 18 01 01   1 06   -3.3  0.075 -9.000 -9.000 -999.   50.     11.6  0.03   0.94   1.00    1.20   93.   10.0  278.8    2.0
 18 01 01   1 07   -7.3  0.111 -9.000 -9.000 -999.   89.     16.9  0.03   0.94   1.00    1.76  137.   10.0  277.5    2.0
 18 01 01   1 08  -18.2  0.193 -9.000 -9.000 -999.  204.     41.1  0.03   0.94   0.60    2.93  126.   10.0  279.2    2.0
 18 01 01   1 09    0.3  0.172  0.033  0.006    5.  171.  -1605.1  0.03   0.94   0.34    2.52  111.   10.0  282.0    2.0
 18 01 01   1 10   12.3  0.156  0.270  0.006   57.  148.    -27.6  0.03   0.94   0.25    1.96  129.   10.0  283.8    2.0
 18 01 01   1 11   21.2  0.123  0.393  0.006  102.  103.     -7.8  0.03   0.94   0.22    1.37  145.   10.0  285.9    2.0
 18 01 01   1 12   26.1  0.141  0.530  0.006  204.  126.     -9.5  0.02   0.94   0.21    1.77  282.   10.0  288.1    2.0
 18 01 01   1 13   26.9  0.211  0.635  0.011  340.  232.    -31.2  0.02   0.94   0.21    2.93  280.   10.0  290.4    2.0
 18 01 01   1 14   22.9  0.232  0.647  0.014  422.  267.    -48.5  0.02   0.94   0.22    3.30  297.   10.0  290.9    2.0
 18 01 01   1 15   14.6  0.228  0.572  0.015  458.  262.    -73.1  0.03   0.94   0.25    3.22  303.   10.0  290.9    2.0
 18 01 01   1 16    2.7  0.170  0.327  0.015  461.  169.   -161.9  0.02   0.94   0.34    2.54  289.   10.0  290.4    2.0
 18 01 01   1 17   -6.1  0.106 -9.000 -9.000 -999.   84.     17.6  0.02   0.94   0.60    1.81  286.   10.0  288.8    2.0
 18 01 01   1 18   -4.2  0.084 -9.000 -9.000 -999.   58.     12.7  0.03   0.94   1.00    1.40  314.   10.0  287.5    2.0
 18 01 01   1 19   -5.3  0.093 -9.000 -9.000 -999.   68.     13.9  0.02   0.94   1.00    1.60  349.   10.0  285.9    2.0
 18 01 01   1 20  -10.6  0.136 -9.000 -9.000 -999.  121.     21.5  0.04   0.94   1.00    2.10   27.   10.0  285.4    2.0
 18 01 01   1 21   -5.6  0.097 -9.000 -9.000 -999.   73.     14.8  0.03   0.94   1.00    1.57   33.   10.0  283.8    2.0
 18 01 01   1 22   -5.2  0.093 -9.000 -9.000 -999.   68.     13.7  0.02   0.94   1.00    1.59   61.   10.0  283.1    2.0
 18 01 01   1 23   -7.9  0.116 -9.000 -9.000 -999.   95.     17.7  0.03   0.94   1.00    1.89  112.   10.0  284.2    2.0
 18 01 01   1 24   -6.4  0.104 -9.000 -9.000 -999.   80.     15.6  0.03   0.94   1.00    1.70   95.   10.0  281.4    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 18 01 01 01   10.0 1 -999.  -99.00   280.4   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAUL ***
INCLUDING SOURCE(S): L0000381 , L0000382 , L0000383 , L0000384 , L0000385 ,
L0000386 , L0000387 , L0000388 , L0000389 , L0000390 , L0000391 , L0000392 , L0000393 ,
L0000394 , L0000395 , L0000396 , L0000397 , L0000398 , L0000399 , L0000400 , L0000401 ,
L0000402 , L0000403 , L0000404 , L0000405 , L0000406 , L0000407 , L0000408 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
309008.97	3917020.62	0.05472	309018.97	3917020.62	0.05584
309028.97	3917020.62	0.05699	309038.97	3917020.62	0.05816
309048.97	3917020.62	0.05936	309058.97	3917020.62	0.06060
309068.97	3917020.62	0.06186	309078.97	3917020.62	0.06314
309088.97	3917020.62	0.06446	309098.97	3917020.62	0.06581
309108.97	3917020.62	0.06718	309118.97	3917020.62	0.06858
309128.97	3917020.62	0.07002	309008.97	3917030.62	0.05610
309018.97	3917030.62	0.05726	309028.97	3917030.62	0.05845
309038.97	3917030.62	0.05967	309048.97	3917030.62	0.06092
309058.97	3917030.62	0.06220	309068.97	3917030.62	0.06351
309078.97	3917030.62	0.06485	309088.97	3917030.62	0.06621
309098.97	3917030.62	0.06761	309108.97	3917030.62	0.06903
309118.97	3917030.62	0.07049	309128.97	3917030.62	0.07197
309008.97	3917040.62	0.05754	309018.97	3917040.62	0.05875
309028.97	3917040.62	0.05999	309038.97	3917040.62	0.06126
309048.97	3917040.62	0.06256	309058.97	3917040.62	0.06389
309068.97	3917040.62	0.06525	309078.97	3917040.62	0.06663
309088.97	3917040.62	0.06805	309098.97	3917040.62	0.06950
309108.97	3917040.62	0.07098	309118.97	3917040.62	0.07248
309128.97	3917040.62	0.07402	308938.97	3917060.62	0.05231
308948.97	3917060.62	0.05341	308958.97	3917060.62	0.05454
308968.97	3917060.62	0.05569	308978.97	3917060.62	0.05688
308988.97	3917060.62	0.05810	308998.97	3917060.62	0.05935
309008.97	3917060.62	0.06063	309018.97	3917060.62	0.06194
309028.97	3917060.62	0.06328	309038.97	3917060.62	0.06466
309048.97	3917060.62	0.06607	309058.97	3917060.62	0.06750
309068.97	3917060.62	0.06897	309078.97	3917060.62	0.07047
309088.97	3917060.62	0.07200	309098.97	3917060.62	0.07356
309108.97	3917060.62	0.07515	309118.97	3917060.62	0.07677
309128.97	3917060.62	0.07841	308938.97	3917070.62	0.05362
308948.97	3917070.62	0.05476	308958.97	3917070.62	0.05594
308968.97	3917070.62	0.05714	308978.97	3917070.62	0.05838
308988.97	3917070.62	0.05965	308998.97	3917070.62	0.06095

309008.97	3917070.62	0.06229	309018.97	3917070.62	0.06366
309028.97	3917070.62	0.06506	309038.97	3917070.62	0.06649
309048.97	3917070.62	0.06795	309058.97	3917070.62	0.06945
309068.97	3917070.62	0.07098	309078.97	3917070.62	0.07254
309088.97	3917070.62	0.07413	309098.97	3917070.62	0.07575
309108.97	3917070.62	0.07740	309118.97	3917070.62	0.07908
309128.97	3917070.62	0.08078	308938.97	3917080.62	0.05498

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAUL ***
INCLUDING SOURCE(S): L0000381 , L0000382 , L0000383 , L0000384 , L0000385 ,
L0000386 , L0000387 , L0000388 , L0000389 , L0000390 , L0000391 , L0000392 , L0000393 ,
L0000394 , L0000395 , L0000396 , L0000397 , L0000398 , L0000399 , L0000400 , L0000401 ,
L0000402 , L0000403 , L0000404 , L0000405 , L0000406 , L0000407 , L0000408 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
308948.97	3917080.62	0.05617	308958.97	3917080.62	0.05740
308968.97	3917080.62	0.05866	308978.97	3917080.62	0.05996
308988.97	3917080.62	0.06128	308998.97	3917080.62	0.06264
309008.97	3917080.62	0.06403	309018.97	3917080.62	0.06546
309028.97	3917080.62	0.06692	309038.97	3917080.62	0.06841
309048.97	3917080.62	0.06994	309058.97	3917080.62	0.07150
309068.97	3917080.62	0.07308	309078.97	3917080.62	0.07471
309088.97	3917080.62	0.07636	309098.97	3917080.62	0.07805
309108.97	3917080.62	0.07976	309118.97	3917080.62	0.08150
309128.97	3917080.62	0.08328	308938.97	3917090.62	0.05640
308948.97	3917090.62	0.05765	308958.97	3917090.62	0.05894
308968.97	3917090.62	0.06026	308978.97	3917090.62	0.06161
308988.97	3917090.62	0.06299	308998.97	3917090.62	0.06441
309008.97	3917090.62	0.06587	309018.97	3917090.62	0.06736
309028.97	3917090.62	0.06888	309038.97	3917090.62	0.07044
309048.97	3917090.62	0.07203	309058.97	3917090.62	0.07366
309068.97	3917090.62	0.07530	309078.97	3917090.62	0.07699
309088.97	3917090.62	0.07872	309098.97	3917090.62	0.08047
309108.97	3917090.62	0.08225	309118.97	3917090.62	0.08406
309128.97	3917090.62	0.08591	308888.97	3917100.62	0.05189
308898.97	3917100.62	0.05303	308908.97	3917100.62	0.05420
308918.97	3917100.62	0.05540	308938.97	3917100.62	0.05791
308948.97	3917100.62	0.05921	308958.97	3917100.62	0.06056
308968.97	3917100.62	0.06194	308978.97	3917100.62	0.06335
308988.97	3917100.62	0.06480	308998.97	3917100.62	0.06628
309008.97	3917100.62	0.06780	309018.97	3917100.62	0.06936
309028.97	3917100.62	0.07095	309038.97	3917100.62	0.07258
309048.97	3917100.62	0.07424	309058.97	3917100.62	0.07593
309068.97	3917100.62	0.07765	309078.97	3917100.62	0.07942
309088.97	3917100.62	0.08121	309098.97	3917100.62	0.08303
309108.97	3917100.62	0.08489	309118.97	3917100.62	0.08677
309128.97	3917100.62	0.08868	308888.97	3917110.62	0.05320
308898.97	3917110.62	0.05439	308908.97	3917110.62	0.05561

308918.97	3917110.62	0.05687	308938.97	3917110.62	0.05949
308948.97	3917110.62	0.06085	308958.97	3917110.62	0.06226
308968.97	3917110.62	0.06370	308978.97	3917110.62	0.06518
308988.97	3917110.62	0.06669	308998.97	3917110.62	0.06825
309008.97	3917110.62	0.06984	309018.97	3917110.62	0.07147
309028.97	3917110.62	0.07313	309038.97	3917110.62	0.07483
309048.97	3917110.62	0.07657	309058.97	3917110.62	0.07834

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAUL ***
INCLUDING SOURCE(S): L0000381 , L0000382 , L0000383 , L0000384 , L0000385 ,
L0000386 , L0000387 , L0000388 , L0000389 , L0000390 , L0000391 , L0000392 , L0000393 ,
L0000394 , L0000395 , L0000396 , L0000397 , L0000398 , L0000399 , L0000400 , L0000401 ,
L0000402 , L0000403 , L0000404 , L0000405 , L0000406 , L0000407 , L0000408 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
309068.97	3917110.62	0.08014	309078.97	3917110.62	0.08198
309088.97	3917110.62	0.08384	309098.97	3917110.62	0.08574
309108.97	3917110.62	0.08767	309118.97	3917110.62	0.08963
309128.97	3917110.62	0.09161	308888.97	3917120.62	0.05457
308898.97	3917120.62	0.05581	308908.97	3917120.62	0.05710
308918.97	3917120.62	0.05841	308938.97	3917120.62	0.06116
308948.97	3917120.62	0.06259	308958.97	3917120.62	0.06405
308968.97	3917120.62	0.06556	308978.97	3917120.62	0.06711
308988.97	3917120.62	0.06870	308998.97	3917120.62	0.07033
309008.97	3917120.62	0.07199	309018.97	3917120.62	0.07370
309028.97	3917120.62	0.07544	309038.97	3917120.62	0.07722
309048.97	3917120.62	0.07904	309058.97	3917120.62	0.08089
309068.97	3917120.62	0.08277	309078.97	3917120.62	0.08469
309088.97	3917120.62	0.08664	309098.97	3917120.62	0.08861
309108.97	3917120.62	0.09062	309118.97	3917120.62	0.09266
309128.97	3917120.62	0.09472	308838.97	3917150.62	0.05254
308848.97	3917150.62	0.05378	308858.97	3917150.62	0.05506
308868.97	3917150.62	0.05638	308878.97	3917150.62	0.05773
308888.97	3917150.62	0.05913	308898.97	3917150.62	0.06056
308908.97	3917150.62	0.06204	308918.97	3917150.62	0.06356
308928.97	3917150.62	0.06513	308938.97	3917150.62	0.06674
308948.97	3917150.62	0.06840	308958.97	3917150.62	0.07010
308968.97	3917150.62	0.07185	308978.97	3917150.62	0.07365
308988.97	3917150.62	0.07549	308998.97	3917150.62	0.07737
309008.97	3917150.62	0.07930	309018.97	3917150.62	0.08127
309028.97	3917150.62	0.08328	309038.97	3917150.62	0.08533
309048.97	3917150.62	0.08741	309058.97	3917150.62	0.08953
309068.97	3917150.62	0.09168	309078.97	3917150.62	0.09387
309088.97	3917150.62	0.09608	309098.97	3917150.62	0.09833
309108.97	3917150.62	0.10060	309118.97	3917150.62	0.10289
309128.97	3917150.62	0.10521	308838.97	3917160.62	0.05391
308848.97	3917160.62	0.05521	308858.97	3917160.62	0.05655
308868.97	3917160.62	0.05793	308878.97	3917160.62	0.05935

308888.97	3917160.62	0.06082	308898.97	3917160.62	0.06233
308908.97	3917160.62	0.06388	308918.97	3917160.62	0.06549
308928.97	3917160.62	0.06714	308938.97	3917160.62	0.06883
308948.97	3917160.62	0.07058	308958.97	3917160.62	0.07237
308968.97	3917160.62	0.07422	308978.97	3917160.62	0.07611
308988.97	3917160.62	0.07804	308998.97	3917160.62	0.08003
309008.97	3917160.62	0.08205	309018.97	3917160.62	0.08412

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAUL ***
INCLUDING SOURCE(S): L0000381 , L0000382 , L0000383 , L0000384 , L0000385 ,
L0000386 , L0000387 , L0000388 , L0000389 , L0000390 , L0000391 , L0000392 , L0000393 ,
L0000394 , L0000395 , L0000396 , L0000397 , L0000398 , L0000399 , L0000400 , L0000401 ,
L0000402 , L0000403 , L0000404 , L0000405 , L0000406 , L0000407 , L0000408 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
309028.97	3917160.62	0.08624	309038.97	3917160.62	0.08838
309048.97	3917160.62	0.09057	309058.97	3917160.62	0.09279
309068.97	3917160.62	0.09505	309078.97	3917160.62	0.09733
309088.97	3917160.62	0.09965	309098.97	3917160.62	0.10199
309108.97	3917160.62	0.10435	309118.97	3917160.62	0.10674
309128.97	3917160.62	0.10915	308838.97	3917170.62	0.05534
308848.97	3917170.62	0.05671	308858.97	3917170.62	0.05812
308868.97	3917170.62	0.05957	308878.97	3917170.62	0.06107
308888.97	3917170.62	0.06261	308898.97	3917170.62	0.06420
308908.97	3917170.62	0.06584	308918.97	3917170.62	0.06753
308928.97	3917170.62	0.06927	308938.97	3917170.62	0.07106
308948.97	3917170.62	0.07290	308958.97	3917170.62	0.07479
308968.97	3917170.62	0.07673	308978.97	3917170.62	0.07873
308988.97	3917170.62	0.08077	308998.97	3917170.62	0.08286
309008.97	3917170.62	0.08499	309018.97	3917170.62	0.08717
309028.97	3917170.62	0.08939	309038.97	3917170.62	0.09165
309048.97	3917170.62	0.09395	309058.97	3917170.62	0.09628
309068.97	3917170.62	0.09864	309078.97	3917170.62	0.10103
309088.97	3917170.62	0.10345	309098.97	3917170.62	0.10590
309108.97	3917170.62	0.10836	309118.97	3917170.62	0.11085
309128.97	3917170.62	0.11336	308838.97	3917180.62	0.05686
308848.97	3917180.62	0.05830	308858.97	3917180.62	0.05978
308868.97	3917180.62	0.06131	308878.97	3917180.62	0.06288
308888.97	3917180.62	0.06451	308898.97	3917180.62	0.06618
308908.97	3917180.62	0.06791	308918.97	3917180.62	0.06970
308928.97	3917180.62	0.07153	308938.97	3917180.62	0.07343
308948.97	3917180.62	0.07537	308958.97	3917180.62	0.07737
308968.97	3917180.62	0.07942	308978.97	3917180.62	0.08153
308988.97	3917180.62	0.08369	308998.97	3917180.62	0.08589
309008.97	3917180.62	0.08814	309018.97	3917180.62	0.09043
309028.97	3917180.62	0.09277	309038.97	3917180.62	0.09515
309048.97	3917180.62	0.09756	309058.97	3917180.62	0.10000
309068.97	3917180.62	0.10248	309078.97	3917180.62	0.10499

309088.97	3917180.62	0.10752	309098.97	3917180.62	0.11007
309108.97	3917180.62	0.11265	309118.97	3917180.62	0.11524
309128.97	3917180.62	0.11785	308758.97	3917300.62	0.06487
308768.97	3917300.62	0.06699	308778.97	3917300.62	0.06923
308788.97	3917300.62	0.07158	308798.97	3917300.62	0.07403
308758.97	3917310.62	0.06704	308768.97	3917310.62	0.06932
308778.97	3917310.62	0.07172	308788.97	3917310.62	0.07423

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAUL ***
INCLUDING SOURCE(S): L0000381 , L0000382 , L0000383 , L0000384 , L0000385 ,
L0000386 , L0000387 , L0000388 , L0000389 , L0000390 , L0000391 , L0000392 , L0000393 ,
L0000394 , L0000395 , L0000396 , L0000397 , L0000398 , L0000399 , L0000400 , L0000401 ,
L0000402 , L0000403 , L0000404 , L0000405 , L0000406 , L0000407 , L0000408 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
308798.97	3917310.62	0.07688	308758.97	3917320.62	0.06938
308768.97	3917320.62	0.07182	308778.97	3917320.62	0.07440
308788.97	3917320.62	0.07711	308798.97	3917320.62	0.07996
308758.97	3917330.62	0.07190	308768.97	3917330.62	0.07453
308778.97	3917330.62	0.07730	308788.97	3917330.62	0.08023
308798.97	3917330.62	0.08332	308758.97	3917340.62	0.07462
308768.97	3917340.62	0.07746	308778.97	3917340.62	0.08046
308788.97	3917340.62	0.08364	308798.97	3917340.62	0.08699
308758.97	3917350.62	0.07756	308768.97	3917350.62	0.08064
308778.97	3917350.62	0.08390	308788.97	3917350.62	0.08736
308798.97	3917350.62	0.09102	308758.97	3917360.62	0.08077
308768.97	3917360.62	0.08411	308778.97	3917360.62	0.08766
308788.97	3917360.62	0.09144	308798.97	3917360.62	0.09546
308758.97	3917370.62	0.08426	308768.97	3917370.62	0.08791
308778.97	3917370.62	0.09180	308788.97	3917370.62	0.09595
308798.97	3917370.62	0.10036	308808.97	3917370.62	0.10506
308818.97	3917370.62	0.11004	308828.97	3917370.62	0.11532
308838.97	3917370.62	0.12091	308848.97	3917370.62	0.12679
308858.97	3917370.62	0.13298	308868.97	3917370.62	0.13944
308888.97	3917370.62	0.15314	308898.97	3917370.62	0.16032
308908.97	3917370.62	0.16768	308918.97	3917370.62	0.17518
308928.97	3917370.62	0.18278	308938.97	3917370.62	0.19045
308948.97	3917370.62	0.19813	308758.97	3917380.62	0.08808
308768.97	3917380.62	0.09208	308778.97	3917380.62	0.09636
308788.97	3917380.62	0.10094	308798.97	3917380.62	0.10583
308808.97	3917380.62	0.11103	308818.97	3917380.62	0.11658
308828.97	3917380.62	0.12246	308838.97	3917380.62	0.12870
308848.97	3917380.62	0.13527	308858.97	3917380.62	0.14218
308868.97	3917380.62	0.14940	308888.97	3917380.62	0.16467
308898.97	3917380.62	0.17264	308908.97	3917380.62	0.18079
308918.97	3917380.62	0.18906	308928.97	3917380.62	0.19742
308938.97	3917380.62	0.20580	308948.97	3917380.62	0.21418
308758.97	3917390.62	0.09229	308768.97	3917390.62	0.09670

308778.97	3917390.62	0.10143	308788.97	3917390.62	0.10650
308798.97	3917390.62	0.11194	308808.97	3917390.62	0.11775
308818.97	3917390.62	0.12395	308828.97	3917390.62	0.13054
308838.97	3917390.62	0.13754	308848.97	3917390.62	0.14493
308858.97	3917390.62	0.15269	308868.97	3917390.62	0.16079
308938.97	3917390.62	0.22329	308948.97	3917390.62	0.23242
308758.97	3917400.62	0.09694	308768.97	3917400.62	0.10182

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAUL ***
INCLUDING SOURCE(S): L0000381 , L0000382 , L0000383 , L0000384 , L0000385 ,
L0000386 , L0000387 , L0000388 , L0000389 , L0000390 , L0000391 , L0000392 , L0000393 ,
L0000394 , L0000395 , L0000396 , L0000397 , L0000398 , L0000399 , L0000400 , L0000401 ,
L0000402 , L0000403 , L0000404 , L0000405 , L0000406 , L0000407 , L0000408 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
308778.97	3917400.62	0.10707	308788.97	3917400.62	0.11273
308798.97	3917400.62	0.11882	308808.97	3917400.62	0.12534
308818.97	3917400.62	0.13232	308838.97	3917400.62	0.14766
308848.97	3917400.62	0.15600	308858.97	3917400.62	0.16476
308868.97	3917400.62	0.17389	308888.97	3917400.62	0.19306
308898.97	3917400.62	0.20297	308908.97	3917400.62	0.21302
308918.97	3917400.62	0.22312	308938.97	3917400.62	0.24328
308948.97	3917400.62	0.25322	308758.97	3917410.62	0.10211
308768.97	3917410.62	0.10753	308778.97	3917410.62	0.11341
308788.97	3917410.62	0.11976	308798.97	3917410.62	0.12662
308808.97	3917410.62	0.13399	308818.97	3917410.62	0.14190
308838.97	3917410.62	0.15932	308848.97	3917410.62	0.16880
308858.97	3917410.62	0.17873	308868.97	3917410.62	0.18908
308888.97	3917410.62	0.21067	308898.97	3917410.62	0.22176
308908.97	3917410.62	0.23293	308918.97	3917410.62	0.24412
308938.97	3917410.62	0.26623	308948.97	3917410.62	0.27703
308758.97	3917420.62	0.10788	308768.97	3917420.62	0.11395
308778.97	3917420.62	0.12057	308788.97	3917420.62	0.12775
308798.97	3917420.62	0.13553	308808.97	3917420.62	0.14392
308818.97	3917420.62	0.15295	308838.97	3917420.62	0.17288
308848.97	3917420.62	0.18371	308858.97	3917420.62	0.19504
308868.97	3917420.62	0.20681	308888.97	3917420.62	0.23120
308898.97	3917420.62	0.24362	308908.97	3917420.62	0.25607
308918.97	3917420.62	0.26844	308938.97	3917420.62	0.29267
308948.97	3917420.62	0.30440	308758.97	3917430.62	0.11436
308768.97	3917430.62	0.12121	308778.97	3917430.62	0.12871
308788.97	3917430.62	0.13689	308798.97	3917430.62	0.14579
308808.97	3917430.62	0.15543	308818.97	3917430.62	0.16583
308838.97	3917430.62	0.18879	308848.97	3917430.62	0.20125
308858.97	3917430.62	0.21424	308868.97	3917430.62	0.22767
308888.97	3917430.62	0.25528	308898.97	3917430.62	0.26921
308908.97	3917430.62	0.28308	308918.97	3917430.62	0.29676
308938.97	3917430.62	0.32326	308948.97	3917430.62	0.33596

308758.97	3917440.62	0.12169	308768.97	3917440.62	0.12948
308778.97	3917440.62	0.13805	308788.97	3917440.62	0.14746
308798.97	3917440.62	0.15773	308808.97	3917440.62	0.16891
308818.97	3917440.62	0.18098	308838.97	3917440.62	0.20765
308848.97	3917440.62	0.22207	308858.97	3917440.62	0.23703
308868.97	3917440.62	0.25241	308888.97	3917440.62	0.28370
308898.97	3917440.62	0.29934	308908.97	3917440.62	0.31478

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAUL ***
INCLUDING SOURCE(S): L0000381 , L0000382 , L0000383 , L0000384 , L0000385 ,
L0000386 , L0000387 , L0000388 , L0000389 , L0000390 , L0000391 , L0000392 , L0000393 ,
L0000394 , L0000395 , L0000396 , L0000397 , L0000398 , L0000399 , L0000400 , L0000401 ,
L0000402 , L0000403 , L0000404 , L0000405 , L0000406 , L0000407 , L0000408 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
308918.97	3917440.62	0.32989	308938.97	3917440.62	0.35880
308948.97	3917440.62	0.37249	308758.97	3917450.62	0.13005
308768.97	3917450.62	0.13899	308778.97	3917450.62	0.14888
308788.97	3917450.62	0.15979	308798.97	3917450.62	0.17178
308808.97	3917450.62	0.18486	308818.97	3917450.62	0.19902
308838.97	3917450.62	0.23023	308848.97	3917450.62	0.24701
308858.97	3917450.62	0.26433	308868.97	3917450.62	0.28198
308888.97	3917450.62	0.31749	308898.97	3917450.62	0.33503
308908.97	3917450.62	0.35218	308918.97	3917450.62	0.36883
308938.97	3917450.62	0.40026	308948.97	3917450.62	0.41498
308758.97	3917460.62	0.13966	308768.97	3917460.62	0.15001
308778.97	3917460.62	0.16154	308788.97	3917460.62	0.17435
308798.97	3917460.62	0.18850	308808.97	3917460.62	0.20398
308818.97	3917460.62	0.22075	308838.97	3917460.62	0.25758
308848.97	3917460.62	0.27722	308858.97	3917460.62	0.29733
308868.97	3917460.62	0.31765	308888.97	3917460.62	0.35794
308898.97	3917460.62	0.37756	308908.97	3917460.62	0.39656
308918.97	3917460.62	0.41483	308938.97	3917460.62	0.44885
308948.97	3917460.62	0.46459	308758.97	3917470.62	0.15082
308768.97	3917470.62	0.16293	308778.97	3917470.62	0.17655
308788.97	3917470.62	0.19178	308798.97	3917470.62	0.20868
308808.97	3917470.62	0.22723	308818.97	3917470.62	0.24731
308838.97	3917470.62	0.29110	308848.97	3917470.62	0.31419
308858.97	3917470.62	0.33761	308868.97	3917470.62	0.36101
308888.97	3917470.62	0.40664	308898.97	3917470.62	0.42853
308908.97	3917470.62	0.44950	308918.97	3917470.62	0.46945
308938.97	3917470.62	0.50609	308948.97	3917470.62	0.52283
308758.97	3917480.62	0.16394	308768.97	3917480.62	0.17831
308778.97	3917480.62	0.19461	308788.97	3917480.62	0.21300
308798.97	3917480.62	0.23349	308808.97	3917480.62	0.25601
308818.97	3917480.62	0.28031	308838.97	3917480.62	0.33277
308848.97	3917480.62	0.36001	308858.97	3917480.62	0.38730
308868.97	3917480.62	0.41424	308938.97	3917480.62	0.57390

308948.97	3917480.62	0.59161	308758.97	3917490.62	0.17958
308768.97	3917490.62	0.19690	308778.97	3917490.62	0.21676
308788.97	3917490.62	0.23933	308798.97	3917490.62	0.26458
308808.97	3917490.62	0.29230	308818.97	3917490.62	0.32206
308838.97	3917490.62	0.38529	308848.97	3917490.62	0.41748
308858.97	3917490.62	0.44926	308868.97	3917490.62	0.48016
308878.97	3917490.62	0.50983	308888.97	3917490.62	0.53804

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAUL ***
INCLUDING SOURCE(S): L0000381 , L0000382 , L0000383 , L0000384 , L0000385 ,
L0000386 , L0000387 , L0000388 , L0000389 , L0000390 , L0000391 , L0000392 , L0000393 ,
L0000394 , L0000395 , L0000396 , L0000397 , L0000398 , L0000399 , L0000400 , L0000401 ,
L0000402 , L0000403 , L0000404 , L0000405 , L0000406 , L0000407 , L0000408 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
308898.97	3917490.62	0.56473	308908.97	3917490.62	0.58974
308918.97	3917490.62	0.61307	308938.97	3917490.62	0.65478
308948.97	3917490.62	0.67342	308758.97	3917500.62	0.19849
308768.97	3917500.62	0.21974	308778.97	3917500.62	0.24440
308788.97	3917500.62	0.27265	308798.97	3917500.62	0.30431
308808.97	3917500.62	0.33892	308818.97	3917500.62	0.37572
308838.97	3917500.62	0.45225	308848.97	3917500.62	0.49026
308858.97	3917500.62	0.52714	308868.97	3917500.62	0.56241
308878.97	3917500.62	0.59575	308888.97	3917500.62	0.62698
308898.97	3917500.62	0.65610	308908.97	3917500.62	0.68307
308918.97	3917500.62	0.70797	308938.97	3917500.62	0.75204
308948.97	3917500.62	0.77155	308758.97	3917510.62	0.22176
308768.97	3917510.62	0.24840	308778.97	3917510.62	0.27975
308788.97	3917510.62	0.31587	308798.97	3917510.62	0.35631
308808.97	3917510.62	0.40009	308818.97	3917510.62	0.44597
308838.97	3917510.62	0.53874	308848.97	3917510.62	0.58343
308858.97	3917510.62	0.62597	308868.97	3917510.62	0.66592
308878.97	3917510.62	0.70304	308888.97	3917510.62	0.73732
308898.97	3917510.62	0.76881	308908.97	3917510.62	0.79765
308918.97	3917510.62	0.82404	308938.97	3917510.62	0.87036
308948.97	3917510.62	0.89069	308758.97	3917520.62	0.25104
308768.97	3917520.62	0.28535	308778.97	3917520.62	0.32627
308788.97	3917520.62	0.37360	308798.97	3917520.62	0.42617
308808.97	3917520.62	0.48221	308818.97	3917520.62	0.53970
308838.97	3917520.62	0.65188	308848.97	3917520.62	0.70404
308858.97	3917520.62	0.75265	308868.97	3917520.62	0.79742
308878.97	3917520.62	0.83833	308888.97	3917520.62	0.87557
308898.97	3917520.62	0.90937	308908.97	3917520.62	0.94001
308918.97	3917520.62	0.96784	308938.97	3917520.62	1.01629
308948.97	3917520.62	1.03745	308758.97	3917530.62	0.28885
308768.97	3917530.62	0.33447	308778.97	3917530.62	0.38959
308788.97	3917530.62	0.45313	308798.97	3917530.62	0.52255
308808.97	3917530.62	0.59475	308818.97	3917530.62	0.66679

308838.97	3917530.62	0.80143	308848.97	3917530.62	0.86163
308858.97	3917530.62	0.91650	308868.97	3917530.62	0.96603
308878.97	3917530.62	1.01058	308888.97	3917530.62	1.05065
308898.97	3917530.62	1.08661	308908.97	3917530.62	1.11892
308918.97	3917530.62	1.14815	308938.97	3917530.62	1.19880
308948.97	3917530.62	1.22089	308808.97	3917540.62	0.75191
308818.97	3917540.62	0.84143	308838.97	3917540.62	1.00054

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAUL ***
INCLUDING SOURCE(S): L0000381 , L0000382 , L0000383 , L0000384 , L0000385 ,
L0000386 , L0000387 , L0000388 , L0000389 , L0000390 , L0000391 , L0000392 , L0000393 ,
L0000394 , L0000395 , L0000396 , L0000397 , L0000398 , L0000399 , L0000400 , L0000401 ,
L0000402 , L0000403 , L0000404 , L0000405 , L0000406 , L0000407 , L0000408 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
308848.97	3917540.62	1.06901	308858.97	3917540.62	1.13006
308868.97	3917540.62	1.18406	308878.97	3917540.62	1.23205
308888.97	3917540.62	1.27488	308898.97	3917540.62	1.31287
308908.97	3917540.62	1.34677	308918.97	3917540.62	1.37756
308938.97	3917540.62	1.43066	308948.97	3917540.62	1.45394
308808.97	3917550.62	0.97495	308818.97	3917550.62	1.08368
308838.97	3917550.62	1.26730	308848.97	3917550.62	1.34400
308858.97	3917550.62	1.41085	308868.97	3917550.62	1.46881
308878.97	3917550.62	1.52024	308888.97	3917550.62	1.56597
308898.97	3917550.62	1.60583	308908.97	3917550.62	1.64143
308918.97	3917550.62	1.67432	308938.97	3917550.62	1.73033
308948.97	3917550.62	1.75550	308808.97	3917560.62	1.29479
308818.97	3917560.62	1.42280	308838.97	3917560.62	1.62779
308848.97	3917560.62	1.71250	308858.97	3917560.62	1.78448
308868.97	3917560.62	1.84585	308878.97	3917560.62	1.90140
308938.97	3917560.62	2.12520	308948.97	3917560.62	2.15363
308808.97	3917570.62	1.75006	308818.97	3917570.62	1.89253
308838.97	3917570.62	2.11569	308848.97	3917570.62	2.20562
308858.97	3917570.62	2.27891	308868.97	3917570.62	2.34608
308878.97	3917570.62	2.40671	308938.97	3917570.62	2.07091
308948.97	3917570.62	1.91160	308868.97	3917580.62	2.14097
308878.97	3917580.62	1.94620	308880.66	3917999.48	0.12181
308899.60	3917993.17	0.12599	308916.74	3917994.97	0.12716
308930.26	3918002.19	0.12596	308942.89	3918005.79	0.12594
308962.73	3918009.40	0.12652	308978.07	3918012.11	0.12692
309000.61	3918017.52	0.12692	309058.33	3918014.81	0.13218
309088.10	3918016.62	0.13367	309139.50	3918013.91	0.13834
309199.93	3917986.85	0.15348	309254.04	3917983.25	0.15925
309291.92	3917983.25	0.16230	309336.12	3917988.66	0.16365
309363.17	3917989.56	0.16571	309426.81	3917993.10	0.17058
309454.30	3917999.38	0.17092	309511.26	3918008.32	0.17446
309539.51	3918027.62	0.17054	309131.94	3917360.12	0.29554
309109.35	3917304.34	0.20227	309205.37	3917534.60	1.62485

309128.13	3917544.38	1.83806	309126.28	3917515.40	1.17107
309126.90	3917484.57	0.80853	309109.63	3917481.49	0.77105
309109.63	3917515.40	1.15702	309109.63	3917544.38	1.81391
309057.22	3917531.43	1.40212	309056.60	3917490.74	0.81079
309055.37	3917467.92	0.63090	309058.45	3917445.72	0.50993
309018.37	3917425.37	0.39195	309016.52	3917440.17	0.44821
309017.75	3917461.75	0.55785	309015.90	3917479.02	0.67121

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAUL ***
INCLUDING SOURCE(S): L0000381 , L0000382 , L0000383 , L0000384 , L0000385 ,
L0000386 , L0000387 , L0000388 , L0000389 , L0000390 , L0000391 , L0000392 , L0000393 ,
L0000394 , L0000395 , L0000396 , L0000397 , L0000398 , L0000399 , L0000400 , L0000401 ,
L0000402 , L0000403 , L0000404 , L0000405 , L0000406 , L0000407 , L0000408 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
309015.29	3917527.73	1.27112	309014.05	3917551.78	1.92392
309056.59	3917294.28	0.16889	309044.36	3917294.28	0.16352
309012.17	3917196.11	0.09426	308992.22	3917193.21	0.08842
308786.69	3917561.72	0.98290	308879.07	3917651.09	1.55424
309014.69	3917652.32	1.50054	309095.56	3917655.22	1.38870
309196.25	3917644.08	1.66989	309269.32	3917636.06	1.91551
309269.32	3917651.66	1.39867	309274.22	3917668.14	1.06407
309351.75	3917632.05	2.00887	309351.75	3917652.10	1.34607
309395.86	3917637.40	1.74806	309394.97	3917651.66	1.33532
309576.30	3917651.21	1.27872	309661.85	3917626.71	1.94755
309739.32	3917632.76	1.72377	309775.71	3917630.91	1.79588
309827.51	3917626.59	1.99945	309880.55	3917636.46	1.92911
309925.57	3917718.48	1.71547	309924.33	3917740.07	1.58372
309889.80	3917811.61	0.86529	309900.90	3917844.29	0.91653
309846.63	3917860.94	0.54872	309831.83	3917825.79	0.55285
309807.77	3917847.38	0.46640	309928.20	3917921.64	1.29555
309774.55	3917848.23	0.41357	309786.51	3917884.94	0.38770
309754.92	3917890.91	0.34517	309742.12	3917853.35	0.37311
309709.68	3917861.04	0.33997	309710.54	3917938.71	0.27212
309657.61	3917939.57	0.24682	309599.57	3917937.00	0.23034
309703.71	3917900.30	0.29838	309655.05	3917900.30	0.27514
309601.28	3917903.71	0.25468	309592.74	3917863.60	0.28858
309667.86	3917861.04	0.31744	309366.54	3917791.89	0.35313
309364.83	3917812.38	0.31643	309363.98	3917840.55	0.27679
309307.64	3917853.35	0.25603	309301.67	3917820.92	0.29755
309311.91	3917795.31	0.34198	309235.94	3917791.89	0.34303
309239.36	3917822.62	0.28999	309239.36	3917858.47	0.24467
309205.21	3917802.14	0.32108	309104.49	3917811.53	0.29547
309104.49	3917846.52	0.24661	309075.47	3917846.52	0.24358
309078.03	3917812.38	0.29114	309059.04	3917808.04	0.29610
309059.04	3917822.71	0.27286	309042.26	3917825.86	0.26623
309041.74	3917847.88	0.23812	309041.74	3917865.70	0.21925
309021.30	3917811.18	0.28577	309021.82	3917840.01	0.24494

309021.30	3917867.80	0.21483	309020.25	3917885.62	0.19894
308987.74	3917886.67	0.19424	308984.60	3917865.18	0.21265
308988.27	3917843.68	0.23591	308984.60	3917813.80	0.27589
308946.86	3917813.28	0.26985	308948.95	3917844.21	0.22912
308952.62	3917868.32	0.20514	308946.33	3917888.77	0.18711
308911.21	3917891.39	0.17983	308911.21	3917863.08	0.20311
308911.21	3917843.16	0.22333	308907.01	3917814.85	0.25876

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAUL ***
INCLUDING SOURCE(S): L0000381 , L0000382 , L0000383 , L0000384 , L0000385 ,
L0000386 , L0000387 , L0000388 , L0000389 , L0000390 , L0000391 , L0000392 , L0000393 ,
L0000394 , L0000395 , L0000396 , L0000397 , L0000398 , L0000399 , L0000400 , L0000401 ,
L0000402 , L0000403 , L0000404 , L0000405 , L0000406 , L0000407 , L0000408 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
308825.76	3917655.49	1.32701	308831.00	3917707.91	0.56315
310062.70	3917617.91	2.91725	310057.97	3917649.81	2.24779
310065.54	3917531.61	3.50691	310076.02	3917532.66	3.44806
310091.22	3917531.09	3.24401	310134.21	3917531.09	3.01726
310150.46	3917529.51	2.88558	310173.53	3917530.04	2.84686
310123.73	3917492.29	1.90705	310156.75	3917498.06	1.87999
310174.05	3917499.63	1.85909	310237.49	3917521.12	2.34987
310251.12	3917488.10	1.47538	310300.92	3917510.64	1.84185
310211.68	3917430.80	1.00734	310241.90	3917417.85	0.88145
310269.65	3917401.20	0.76707	310256.70	3917372.82	0.70159
310229.56	3917386.39	0.78694	310194.41	3917397.50	0.90001
310180.22	3917367.89	0.84759	310217.23	3917356.17	0.73176
310250.53	3917337.67	0.63471	310237.58	3917307.45	0.60686
310204.89	3917317.93	0.68479	310165.42	3917336.44	0.82009
310157.40	3917311.15	0.80058	310214.14	3917281.54	0.61428
310153.55	3917200.69	0.67597	310102.75	3917212.51	0.90256
310085.02	3917249.14	1.07615	309698.03	3917026.59	0.36374
309662.85	3917024.31	0.29896	309636.35	3917025.68	0.26280
309564.62	3917163.20	0.25237	309385.36	3917044.63	0.12701
309401.55	3917154.82	0.17891	309389.38	3917154.82	0.17530
309377.70	3917155.78	0.17246	309365.77	3917155.78	0.16901
309540.50	3917300.46	0.35099	309540.17	3917307.06	0.35918
309540.50	3917317.29	0.37311	309540.83	3917327.20	0.38774
309548.42	3917229.81	0.28601	309496.59	3917195.15	0.23794

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE1 ***
INCLUDING SOURCE(S): ONSITE , ONSITE3 , ONSITE4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
309008.97	3917020.62	2.13216	309018.97	3917020.62	2.16145
309028.97	3917020.62	2.19145	309038.97	3917020.62	2.22311
309048.97	3917020.62	2.25597	309058.97	3917020.62	2.28932
309068.97	3917020.62	2.32277	309078.97	3917020.62	2.35633
309088.97	3917020.62	2.39140	309098.97	3917020.62	2.42799
309108.97	3917020.62	2.46571	309118.97	3917020.62	2.50385
309128.97	3917020.62	2.54249	309008.97	3917030.62	2.16515
309018.97	3917030.62	2.19620	309028.97	3917030.62	2.22842
309038.97	3917030.62	2.26111	309048.97	3917030.62	2.29388
309058.97	3917030.62	2.32709	309068.97	3917030.62	2.36134
309078.97	3917030.62	2.39699	309088.97	3917030.62	2.43391
309098.97	3917030.62	2.47158	309108.97	3917030.62	2.50958
309118.97	3917030.62	2.54888	309128.97	3917030.62	2.58965
309008.97	3917040.62	2.19946	309018.97	3917040.62	2.23144
309028.97	3917040.62	2.26400	309038.97	3917040.62	2.29692
309048.97	3917040.62	2.33065	309058.97	3917040.62	2.36524
309068.97	3917040.62	2.40134	309078.97	3917040.62	2.43846
309088.97	3917040.62	2.47599	309098.97	3917040.62	2.51453
309108.97	3917040.62	2.55449	309118.97	3917040.62	2.59563
309128.97	3917040.62	2.63780	308938.97	3917060.62	2.05174
308948.97	3917060.62	2.08043	308958.97	3917060.62	2.10956
308968.97	3917060.62	2.13954	308978.97	3917060.62	2.17028
308988.97	3917060.62	2.20183	308998.97	3917060.62	2.23391
309008.97	3917060.62	2.26644	309018.97	3917060.62	2.29973
309028.97	3917060.62	2.33415	309038.97	3917060.62	2.36986
309048.97	3917060.62	2.40675	309058.97	3917060.62	2.44421
309068.97	3917060.62	2.48219	309078.97	3917060.62	2.52045
309088.97	3917060.62	2.55988	309098.97	3917060.62	2.60091
309108.97	3917060.62	2.64385	309118.97	3917060.62	2.68825
309128.97	3917060.62	2.73335	308938.97	3917070.62	2.07959
308948.97	3917070.62	2.10931	308958.97	3917070.62	2.13941
308968.97	3917070.62	2.17005	308978.97	3917070.62	2.20111
308988.97	3917070.62	2.23291	308998.97	3917070.62	2.26569
309008.97	3917070.62	2.29949	309018.97	3917070.62	2.33440
309028.97	3917070.62	2.37042	309038.97	3917070.62	2.40705
309048.97	3917070.62	2.44414	309058.97	3917070.62	2.48161

309068.97	3917070.62	2.52049	309078.97	3917070.62	2.56071
309088.97	3917070.62	2.60272	309098.97	3917070.62	2.64594
309108.97	3917070.62	2.69015	309118.97	3917070.62	2.73525
309128.97	3917070.62	2.78150	308938.97	3917080.62	2.10831

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE1 ***
INCLUDING SOURCE(S): ONSITE , ONSITE3 , ONSITE4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
308948.97	3917080.62	2.13852	308958.97	3917080.62	2.16882
308968.97	3917080.62	2.19975	308978.97	3917080.62	2.23154
308988.97	3917080.62	2.26450	308998.97	3917080.62	2.29886
309008.97	3917080.62	2.33384	309018.97	3917080.62	2.36941
309028.97	3917080.62	2.40515	309038.97	3917080.62	2.44183
309048.97	3917080.62	2.48006	309058.97	3917080.62	2.51987
309068.97	3917080.62	2.56168	309078.97	3917080.62	2.60380
309088.97	3917080.62	2.64670	309098.97	3917080.62	2.69010
309108.97	3917080.62	2.73465	309118.97	3917080.62	2.78071
309128.97	3917080.62	2.82845	308938.97	3917090.62	2.13502
308948.97	3917090.62	2.16569	308958.97	3917090.62	2.19704
308968.97	3917090.62	2.22944	308978.97	3917090.62	2.26250
308988.97	3917090.62	2.29637	308998.97	3917090.62	2.33102
309008.97	3917090.62	2.36621	309018.97	3917090.62	2.40229
309028.97	3917090.62	2.43962	309038.97	3917090.62	2.47836
309048.97	3917090.62	2.51892	309058.97	3917090.62	2.56013
309068.97	3917090.62	2.60223	309078.97	3917090.62	2.64432
309088.97	3917090.62	2.68758	309098.97	3917090.62	2.73211
309108.97	3917090.62	2.77855	309118.97	3917090.62	2.82628
309128.97	3917090.62	2.87569	308888.97	3917100.62	2.01438
308898.97	3917100.62	2.04245	308908.97	3917100.62	2.07096
308918.97	3917100.62	2.10034	308938.97	3917100.62	2.16181
308948.97	3917100.62	2.19379	308958.97	3917100.62	2.22622
308968.97	3917100.62	2.25926	308978.97	3917100.62	2.29271
308988.97	3917100.62	2.32729	308998.97	3917100.62	2.36286
309008.97	3917100.62	2.39956	309018.97	3917100.62	2.43741
309028.97	3917100.62	2.47623	309038.97	3917100.62	2.51560
309048.97	3917100.62	2.55608	309058.97	3917100.62	2.59726
309068.97	3917100.62	2.63968	309078.97	3917100.62	2.68312
309088.97	3917100.62	2.72827	309098.97	3917100.62	2.77506
309108.97	3917100.62	2.82335	309118.97	3917100.62	2.87301
309128.97	3917100.62	2.92402	308888.97	3917110.62	2.03611
308898.97	3917110.62	2.06521	308908.97	3917110.62	2.09531
308918.97	3917110.62	2.12605	308938.97	3917110.62	2.18903
308948.97	3917110.62	2.22146	308958.97	3917110.62	2.25462
308968.97	3917110.62	2.28839	308978.97	3917110.62	2.32325

308988.97	3917110.62	2.35897	308998.97	3917110.62	2.39543
309008.97	3917110.62	2.43276	309018.97	3917110.62	2.47076
309028.97	3917110.62	2.50993	309038.97	3917110.62	2.54995
309048.97	3917110.62	2.59154	309058.97	3917110.62	2.63419

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE1 ***
INCLUDING SOURCE(S): ONSITE , ONSITE3 , ONSITE4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
309068.97	3917110.62	2.67844	309078.97	3917110.62	2.72386
309088.97	3917110.62	2.77073	309098.97	3917110.62	2.81888
309108.97	3917110.62	2.86833	309118.97	3917110.62	2.91874
309128.97	3917110.62	2.97033	308888.97	3917120.62	2.06007
308898.97	3917120.62	2.09002	308908.97	3917120.62	2.12041
308918.97	3917120.62	2.15118	308938.97	3917120.62	2.21456
308948.97	3917120.62	2.24748	308958.97	3917120.62	2.28137
308968.97	3917120.62	2.31610	308978.97	3917120.62	2.35183
308988.97	3917120.62	2.38834	308998.97	3917120.62	2.42563
309008.97	3917120.62	2.46407	309018.97	3917120.62	2.50355
309028.97	3917120.62	2.54408	309038.97	3917120.62	2.58570
309048.97	3917120.62	2.62852	309058.97	3917120.62	2.67253
309068.97	3917120.62	2.71778	309078.97	3917120.62	2.76403
309088.97	3917120.62	2.81161	309098.97	3917120.62	2.86035
309108.97	3917120.62	2.91026	309118.97	3917120.62	2.96173
309128.97	3917120.62	3.01518	308838.97	3917150.62	1.97785
308848.97	3917150.62	2.00600	308858.97	3917150.62	2.03478
308868.97	3917150.62	2.06416	308878.97	3917150.62	2.09437
308888.97	3917150.62	2.12525	308898.97	3917150.62	2.15675
308908.97	3917150.62	2.18881	308918.97	3917150.62	2.22153
308928.97	3917150.62	2.25505	308938.97	3917150.62	2.28932
308948.97	3917150.62	2.32432	308958.97	3917150.62	2.36037
308968.97	3917150.62	2.39737	308978.97	3917150.62	2.43526
308988.97	3917150.62	2.47423	308998.97	3917150.62	2.51417
309008.97	3917150.62	2.55524	309018.97	3917150.62	2.59743
309028.97	3917150.62	2.64082	309038.97	3917150.62	2.68530
309048.97	3917150.62	2.73143	309058.97	3917150.62	2.77878
309068.97	3917150.62	2.82715	309078.97	3917150.62	2.87709
309088.97	3917150.62	2.92865	309098.97	3917150.62	2.98166
309108.97	3917150.62	3.03636	309118.97	3917150.62	3.09277
309128.97	3917150.62	3.15097	308838.97	3917160.62	1.99539
308848.97	3917160.62	2.02415	308858.97	3917160.62	2.05335
308868.97	3917160.62	2.08307	308878.97	3917160.62	2.11343
308888.97	3917160.62	2.14456	308898.97	3917160.62	2.17637
308908.97	3917160.62	2.20898	308918.97	3917160.62	2.24250
308928.97	3917160.62	2.27687	308938.97	3917160.62	2.31215

308948.97	3917160.62	2.34829	308958.97	3917160.62	2.38528
308968.97	3917160.62	2.42333	308978.97	3917160.62	2.46231
308988.97	3917160.62	2.50224	308998.97	3917160.62	2.54317
309008.97	3917160.62	2.58520	309018.97	3917160.62	2.62848

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE1 ***
INCLUDING SOURCE(S): ONSITE , ONSITE3 , ONSITE4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
309028.97	3917160.62	2.67298	309038.97	3917160.62	2.71844
309048.97	3917160.62	2.76515	309058.97	3917160.62	2.81334
309068.97	3917160.62	2.86262	309078.97	3917160.62	2.91345
309088.97	3917160.62	2.96582	309098.97	3917160.62	3.01973
309108.97	3917160.62	3.07549	309118.97	3917160.62	3.13313
309128.97	3917160.62	3.19249	308838.97	3917170.62	2.01294
308848.97	3917170.62	2.04201	308858.97	3917170.62	2.07158
308868.97	3917170.62	2.10174	308878.97	3917170.62	2.13265
308888.97	3917170.62	2.16444	308898.97	3917170.62	2.19708
308908.97	3917170.62	2.23049	308918.97	3917170.62	2.26473
308928.97	3917170.62	2.29985	308938.97	3917170.62	2.33578
308948.97	3917170.62	2.37265	308958.97	3917170.62	2.41019
308968.97	3917170.62	2.44867	308978.97	3917170.62	2.48827
308988.97	3917170.62	2.52887	308998.97	3917170.62	2.57049
309008.97	3917170.62	2.61324	309018.97	3917170.62	2.65704
309028.97	3917170.62	2.70203	309038.97	3917170.62	2.74820
309048.97	3917170.62	2.79573	309058.97	3917170.62	2.84467
309068.97	3917170.62	2.89498	309078.97	3917170.62	2.94696
309088.97	3917170.62	3.00077	309098.97	3917170.62	3.05639
309108.97	3917170.62	3.11367	309118.97	3917170.62	3.17267
309128.97	3917170.62	3.23378	308838.97	3917180.62	2.02979
308848.97	3917180.62	2.05925	308858.97	3917180.62	2.08937
308868.97	3917180.62	2.12021	308878.97	3917180.62	2.15185
308888.97	3917180.62	2.18428	308898.97	3917180.62	2.21747
308908.97	3917180.62	2.25139	308918.97	3917180.62	2.28608
308928.97	3917180.62	2.32168	308938.97	3917180.62	2.35807
308948.97	3917180.62	2.39549	308958.97	3917180.62	2.43382
308968.97	3917180.62	2.47316	308978.97	3917180.62	2.51358
308988.97	3917180.62	2.55488	308998.97	3917180.62	2.59722
309008.97	3917180.62	2.64079	309018.97	3917180.62	2.68552
309028.97	3917180.62	2.73142	309038.97	3917180.62	2.77853
309048.97	3917180.62	2.82710	309058.97	3917180.62	2.87745
309068.97	3917180.62	2.92939	309078.97	3917180.62	2.98292
309088.97	3917180.62	3.03825	309098.97	3917180.62	3.09527
309108.97	3917180.62	3.15390	309118.97	3917180.62	3.21468
309128.97	3917180.62	3.27761	308758.97	3917300.62	1.94767

308768.97	3917300.62	1.97564	308778.97	3917300.62	2.00452
308788.97	3917300.62	2.03408	308798.97	3917300.62	2.06430
308758.97	3917310.62	1.95716	308768.97	3917310.62	1.98514
308778.97	3917310.62	2.01399	308788.97	3917310.62	2.04350

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE1 ***
INCLUDING SOURCE(S): ONSITE , ONSITE3 , ONSITE4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
308798.97	3917310.62	2.07369	308758.97	3917320.62	1.96568
308768.97	3917320.62	1.99392	308778.97	3917320.62	2.02295
308788.97	3917320.62	2.05262	308798.97	3917320.62	2.08302
308758.97	3917330.62	1.97302	308768.97	3917330.62	2.00133
308778.97	3917330.62	2.03039	308788.97	3917330.62	2.06011
308798.97	3917330.62	2.09042	308758.97	3917340.62	1.98210
308768.97	3917340.62	2.01055	308778.97	3917340.62	2.03968
308788.97	3917340.62	2.06960	308798.97	3917340.62	2.10029
308758.97	3917350.62	1.98905	308768.97	3917350.62	2.01777
308778.97	3917350.62	2.04702	308788.97	3917350.62	2.07708
308798.97	3917350.62	2.10787	308758.97	3917360.62	1.99715
308768.97	3917360.62	2.02594	308778.97	3917360.62	2.05546
308788.97	3917360.62	2.08564	308798.97	3917360.62	2.11655
308758.97	3917370.62	2.00445	308768.97	3917370.62	2.03342
308778.97	3917370.62	2.06305	308788.97	3917370.62	2.09344
308798.97	3917370.62	2.12468	308808.97	3917370.62	2.15680
308818.97	3917370.62	2.18976	308828.97	3917370.62	2.22352
308838.97	3917370.62	2.25806	308848.97	3917370.62	2.29320
308858.97	3917370.62	2.32912	308868.97	3917370.62	2.36611
308888.97	3917370.62	2.44348	308898.97	3917370.62	2.48390
308908.97	3917370.62	2.52550	308918.97	3917370.62	2.56821
308928.97	3917370.62	2.61178	308938.97	3917370.62	2.65648
308948.97	3917370.62	2.70247	308758.97	3917380.62	2.01195
308768.97	3917380.62	2.04130	308778.97	3917380.62	2.07122
308788.97	3917380.62	2.10169	308798.97	3917380.62	2.13270
308808.97	3917380.62	2.16448	308818.97	3917380.62	2.19718
308828.97	3917380.62	2.23083	308838.97	3917380.62	2.26590
308848.97	3917380.62	2.30208	308858.97	3917380.62	2.33915
308868.97	3917380.62	2.37671	308888.97	3917380.62	2.45431
308898.97	3917380.62	2.49437	308908.97	3917380.62	2.53587
308918.97	3917380.62	2.57863	308928.97	3917380.62	2.62302
308938.97	3917380.62	2.66848	308948.97	3917380.62	2.71521
308758.97	3917390.62	2.01902	308768.97	3917390.62	2.04807
308778.97	3917390.62	2.07808	308788.97	3917390.62	2.10892
308798.97	3917390.62	2.14062	308808.97	3917390.62	2.17305
308818.97	3917390.62	2.20605	308828.97	3917390.62	2.23978

308838.97	3917390.62	2.27458	308848.97	3917390.62	2.31033
308858.97	3917390.62	2.34716	308868.97	3917390.62	2.38491
308938.97	3917390.62	2.67891	308948.97	3917390.62	2.72609
308758.97	3917400.62	2.02702	308768.97	3917400.62	2.05633

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE1 ***
INCLUDING SOURCE(S): ONSITE , ONSITE3 , ONSITE4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
308778.97	3917400.62	2.08624	308788.97	3917400.62	2.11686
308798.97	3917400.62	2.14830	308808.97	3917400.62	2.18057
308818.97	3917400.62	2.21388	308838.97	3917400.62	2.28355
308848.97	3917400.62	2.31972	308858.97	3917400.62	2.35658
308868.97	3917400.62	2.39428	308888.97	3917400.62	2.47313
308898.97	3917400.62	2.51433	308908.97	3917400.62	2.55691
308918.97	3917400.62	2.60051	308938.97	3917400.62	2.69057
308948.97	3917400.62	2.73740	308758.97	3917410.62	2.03318
308768.97	3917410.62	2.06288	308778.97	3917410.62	2.09335
308788.97	3917410.62	2.12462	308798.97	3917410.62	2.15655
308808.97	3917410.62	2.18913	308818.97	3917410.62	2.22226
308838.97	3917410.62	2.29129	308848.97	3917410.62	2.32741
308858.97	3917410.62	2.36478	308868.97	3917410.62	2.40336
308888.97	3917410.62	2.48299	308898.97	3917410.62	2.52386
308908.97	3917410.62	2.56617	308918.97	3917410.62	2.61004
308938.97	3917410.62	2.70262	308948.97	3917410.62	2.75082
308758.97	3917420.62	2.04115	308768.97	3917420.62	2.07051
308778.97	3917420.62	2.10065	308788.97	3917420.62	2.13152
308798.97	3917420.62	2.16332	308808.97	3917420.62	2.19624
308818.97	3917420.62	2.23010	308838.97	3917420.62	2.30017
308848.97	3917420.62	2.33634	308858.97	3917420.62	2.37333
308868.97	3917420.62	2.41191	308888.97	3917420.62	2.49297
308898.97	3917420.62	2.53498	308908.97	3917420.62	2.57762
308918.97	3917420.62	2.62112	308938.97	3917420.62	2.71247
308948.97	3917420.62	2.76098	308758.97	3917430.62	2.04748
308768.97	3917430.62	2.07773	308778.97	3917430.62	2.10850
308788.97	3917430.62	2.13983	308798.97	3917430.62	2.17180
308808.97	3917430.62	2.20441	308818.97	3917430.62	2.23796
308838.97	3917430.62	2.30808	308848.97	3917430.62	2.34478
308858.97	3917430.62	2.38233	308868.97	3917430.62	2.42098
308888.97	3917430.62	2.50146	308898.97	3917430.62	2.54370
308908.97	3917430.62	2.58765	308918.97	3917430.62	2.63274
308938.97	3917430.62	2.72524	308948.97	3917430.62	2.77310
308758.97	3917440.62	2.05423	308768.97	3917440.62	2.08415
308778.97	3917440.62	2.11467	308788.97	3917440.62	2.14632
308798.97	3917440.62	2.17895	308808.97	3917440.62	2.21236

308818.97	3917440.62	2.24642	308838.97	3917440.62	2.31697
308848.97	3917440.62	2.35338	308858.97	3917440.62	2.39096
308868.97	3917440.62	2.42998	308888.97	3917440.62	2.51077
308898.97	3917440.62	2.55284	308908.97	3917440.62	2.59624

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE1 ***
INCLUDING SOURCE(S): ONSITE , ONSITE3 , ONSITE4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
308918.97	3917440.62	2.64135	308938.97	3917440.62	2.73654
308948.97	3917440.62	2.78633	308758.97	3917450.62	2.06166
308768.97	3917450.62	2.09180	308778.97	3917450.62	2.12278
308788.97	3917450.62	2.15417	308798.97	3917450.62	2.18617
308808.97	3917450.62	2.21903	308818.97	3917450.62	2.25319
308838.97	3917450.62	2.32461	308848.97	3917450.62	2.36179
308858.97	3917450.62	2.39965	308868.97	3917450.62	2.43850
308888.97	3917450.62	2.52003	308898.97	3917450.62	2.56343
308908.97	3917450.62	2.60783	308918.97	3917450.62	2.65308
308938.97	3917450.62	2.74675	308948.97	3917450.62	2.79657
308758.97	3917460.62	2.06738	308768.97	3917460.62	2.09760
308778.97	3917460.62	2.12894	308788.97	3917460.62	2.16107
308798.97	3917460.62	2.19394	308808.97	3917460.62	2.22752
308818.97	3917460.62	2.26164	308838.97	3917460.62	2.33232
308848.97	3917460.62	2.36930	308858.97	3917460.62	2.40767
308868.97	3917460.62	2.44702	308888.97	3917460.62	2.52892
308898.97	3917460.62	2.57219	308908.97	3917460.62	2.61718
308918.97	3917460.62	2.66364	308938.97	3917460.62	2.75922
308948.97	3917460.62	2.80884	308758.97	3917470.62	2.07447
308768.97	3917470.62	2.10479	308778.97	3917470.62	2.13562
308788.97	3917470.62	2.16724	308798.97	3917470.62	2.19974
308808.97	3917470.62	2.23332	308818.97	3917470.62	2.26818
308838.97	3917470.62	2.34074	308848.97	3917470.62	2.37822
308858.97	3917470.62	2.41637	308868.97	3917470.62	2.45585
308888.97	3917470.62	2.53834	308898.97	3917470.62	2.58175
308908.97	3917470.62	2.62641	308918.97	3917470.62	2.67278
308938.97	3917470.62	2.76983	308948.97	3917470.62	2.82102
308758.97	3917480.62	2.08000	308768.97	3917480.62	2.11080
308778.97	3917480.62	2.14237	308788.97	3917480.62	2.17485
308798.97	3917480.62	2.20801	308808.97	3917480.62	2.24178
308818.97	3917480.62	2.27601	308838.97	3917480.62	2.34787
308848.97	3917480.62	2.38557	308858.97	3917480.62	2.42434
308868.97	3917480.62	2.46404	308938.97	3917480.62	2.77985
308948.97	3917480.62	2.83129	308758.97	3917490.62	2.08707
308768.97	3917490.62	2.11762	308778.97	3917490.62	2.14878
308788.97	3917490.62	2.18082	308798.97	3917490.62	2.21401

308808.97	3917490.62	2.24812	308818.97	3917490.62	2.28315
308838.97	3917490.62	2.35590	308848.97	3917490.62	2.39349
308858.97	3917490.62	2.43235	308868.97	3917490.62	2.47231
308878.97	3917490.62	2.51344	308888.97	3917490.62	2.55577

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE1 ***
INCLUDING SOURCE(S): ONSITE , ONSITE3 , ONSITE4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
308898.97	3917490.62	2.59970	308908.97	3917490.62	2.64535
308918.97	3917490.62	2.69279	308938.97	3917490.62	2.79111
308948.97	3917490.62	2.84245	308758.97	3917500.62	2.09259
308768.97	3917500.62	2.12359	308778.97	3917500.62	2.15553
308788.97	3917500.62	2.18805	308798.97	3917500.62	2.22116
308808.97	3917500.62	2.25494	308818.97	3917500.62	2.28977
308838.97	3917500.62	2.36285	308848.97	3917500.62	2.40101
308858.97	3917500.62	2.44005	308868.97	3917500.62	2.48036
308878.97	3917500.62	2.52196	308888.97	3917500.62	2.56479
308898.97	3917500.62	2.60888	308908.97	3917500.62	2.65428
308918.97	3917500.62	2.70119	308938.97	3917500.62	2.80068
308948.97	3917500.62	2.85323	308758.97	3917510.62	2.09857
308768.97	3917510.62	2.12924	308778.97	3917510.62	2.16064
308788.97	3917510.62	2.19316	308798.97	3917510.62	2.22673
308808.97	3917510.62	2.26129	308818.97	3917510.62	2.29665
308838.97	3917510.62	2.36962	308848.97	3917510.62	2.40788
308858.97	3917510.62	2.44729	308868.97	3917510.62	2.48786
308878.97	3917510.62	2.52947	308888.97	3917510.62	2.57249
308898.97	3917510.62	2.61724	308908.97	3917510.62	2.66316
308918.97	3917510.62	2.71049	308938.97	3917510.62	2.80961
308948.97	3917510.62	2.86237	308758.97	3917520.62	2.10370
308768.97	3917520.62	2.13495	308778.97	3917520.62	2.16689
308788.97	3917520.62	2.19943	308798.97	3917520.62	2.23268
308808.97	3917520.62	2.26697	308818.97	3917520.62	2.30239
308838.97	3917520.62	2.37646	308848.97	3917520.62	2.41492
308858.97	3917520.62	2.45428	308868.97	3917520.62	2.49497
308878.97	3917520.62	2.53684	308888.97	3917520.62	2.58007
308898.97	3917520.62	2.62442	308908.97	3917520.62	2.67037
308918.97	3917520.62	2.71829	308938.97	3917520.62	2.81902
308948.97	3917520.62	2.87156	308758.97	3917530.62	2.10852
308768.97	3917530.62	2.13946	308778.97	3917530.62	2.17154
308788.97	3917530.62	2.20460	308798.97	3917530.62	2.23861
308808.97	3917530.62	2.27331	308818.97	3917530.62	2.30848
308838.97	3917530.62	2.38189	308848.97	3917530.62	2.42050
308858.97	3917530.62	2.46030	308868.97	3917530.62	2.50108
308878.97	3917530.62	2.54322	308888.97	3917530.62	2.58677

308898.97	3917530.62	2.63161	308908.97	3917530.62	2.67780
308918.97	3917530.62	2.72545	308938.97	3917530.62	2.82651
308948.97	3917530.62	2.88012	308808.97	3917540.62	2.27717
308818.97	3917540.62	2.31311	308838.97	3917540.62	2.38750

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE1 ***
INCLUDING SOURCE(S): ONSITE , ONSITE3 , ONSITE4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
308848.97	3917540.62	2.42591	308858.97	3917540.62	2.46550
308868.97	3917540.62	2.50642	308878.97	3917540.62	2.54883
308888.97	3917540.62	2.59226	308898.97	3917540.62	2.63716
308908.97	3917540.62	2.68392	308918.97	3917540.62	2.73192
308938.97	3917540.62	2.83303	308948.97	3917540.62	2.88660
308808.97	3917550.62	2.28207	308818.97	3917550.62	2.31700
308838.97	3917550.62	2.39106	308848.97	3917550.62	2.43027
308858.97	3917550.62	2.47030	308868.97	3917550.62	2.51126
308878.97	3917550.62	2.55333	308888.97	3917550.62	2.59678
308898.97	3917550.62	2.64200	308908.97	3917550.62	2.68859
308918.97	3917550.62	2.73687	308938.97	3917550.62	2.83893
308948.97	3917550.62	2.89260	308808.97	3917560.62	2.28554
308818.97	3917560.62	2.32161	308838.97	3917560.62	2.39517
308848.97	3917560.62	2.43331	308858.97	3917560.62	2.47307
308868.97	3917560.62	2.51450	308878.97	3917560.62	2.55719
308938.97	3917560.62	2.84274	308948.97	3917560.62	2.89689
308808.97	3917570.62	2.28832	308818.97	3917570.62	2.32324
308838.97	3917570.62	2.39796	308848.97	3917570.62	2.43723
308858.97	3917570.62	2.47705	308868.97	3917570.62	2.51768
308878.97	3917570.62	2.55959	308938.97	3917570.62	2.84581
308948.97	3917570.62	2.89940	308868.97	3917580.62	2.52002
308878.97	3917580.62	2.56259	308880.66	3917999.48	1.85617
308899.60	3917993.17	1.89940	308916.74	3917994.97	1.91844
308930.26	3918002.19	1.91537	308942.89	3918005.79	1.92165
308962.73	3918009.40	1.93610	308978.07	3918012.11	1.94743
309000.61	3918017.52	1.95746	309058.33	3918014.81	2.03385
309088.10	3918016.62	2.05861	309139.50	3918013.91	2.12025
309199.93	3917986.85	2.30743	309254.04	3917983.25	2.37676
309291.92	3917983.25	2.40552	309336.12	3917988.66	2.39301
309363.17	3917989.56	2.39066	309426.81	3917993.10	2.33977
309454.30	3917999.38	2.26184	309511.26	3918008.32	2.09143
309539.51	3918027.62	1.89239	309131.94	3917360.12	3.86035
309109.35	3917304.34	3.53538	309205.37	3917534.60	6.87280
309128.13	3917544.38	4.56953	309126.28	3917515.40	4.53927
309126.90	3917484.57	4.51203	309109.63	3917481.49	4.17556
309109.63	3917515.40	4.25962	309109.63	3917544.38	4.28011

309057.22	3917531.43	3.64872	309056.60	3917490.74	3.57236
309055.37	3917467.92	3.50922	309058.45	3917445.72	3.47813
309018.37	3917425.37	3.15215	309016.52	3917440.17	3.16600
309017.75	3917461.75	3.21304	309015.90	3917479.02	3.22938

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE1 ***
INCLUDING SOURCE(S): ONSITE , ONSITE3 , ONSITE4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
309015.29	3917527.73	3.29278	309014.05	3917551.78	3.30429
309056.59	3917294.28	3.16174	309044.36	3917294.28	3.08939
309012.17	3917196.11	2.69788	308992.22	3917193.21	2.60178
308786.69	3917561.72	2.20917	308879.07	3917651.09	2.54579
309014.69	3917652.32	3.24860	309095.56	3917655.22	3.88491
309196.25	3917644.08	5.24224	309269.32	3917636.06	6.49414
309269.32	3917651.66	6.05064	309274.22	3917668.14	5.71740
309351.75	3917632.05	7.60252	309351.75	3917652.10	6.88075
309395.86	3917637.40	7.87286	309394.97	3917651.66	7.33896
309576.30	3917651.21	13.46372	309661.85	3917626.71	32.96800
309739.32	3917632.76	19.25547	309775.71	3917630.91	14.32127
309827.51	3917626.59	10.28278	309880.55	3917636.46	6.71447
309925.57	3917718.48	3.04290	309924.33	3917740.07	2.71053
309889.80	3917811.61	2.12976	309900.90	3917844.29	1.78587
309846.63	3917860.94	1.95248	309831.83	3917825.79	2.39332
309807.77	3917847.38	2.32401	309928.20	3917921.64	1.25168
309774.55	3917848.23	2.54130	309786.51	3917884.94	2.08082
309754.92	3917890.91	2.19523	309742.12	3917853.35	2.69671
309709.68	3917861.04	2.80160	309710.54	3917938.71	1.98007
309657.61	3917939.57	2.18674	309599.57	3917937.00	2.44583
309703.71	3917900.30	2.36217	309655.05	3917900.30	2.60417
309601.28	3917903.71	2.81839	309592.74	3917863.60	3.45592
309667.86	3917861.04	3.06478	309366.54	3917791.89	4.31777
309364.83	3917812.38	4.04889	309363.98	3917840.55	3.71700
309307.64	3917853.35	3.42349	309301.67	3917820.92	3.72360
309311.91	3917795.31	4.04071	309235.94	3917791.89	3.77154
309239.36	3917822.62	3.50081	309239.36	3917858.47	3.20029
309205.21	3917802.14	3.55886	309104.49	3917811.53	3.10606
309104.49	3917846.52	2.90447	309075.47	3917846.52	2.81479
309078.03	3917812.38	2.99972	309059.04	3917808.04	2.94801
309059.04	3917822.71	2.87782	309042.26	3917825.86	2.80397
309041.74	3917847.88	2.70475	309041.74	3917865.70	2.62595
309021.30	3917811.18	2.79116	309021.82	3917840.01	2.67584
309021.30	3917867.80	2.56126	309020.25	3917885.62	2.48553
308987.74	3917886.67	2.40105	308984.60	3917865.18	2.46997
308988.27	3917843.68	2.55771	308984.60	3917813.80	2.64950

308946.86	3917813.28	2.52398	308948.95	3917844.21	2.43942
308952.62	3917868.32	2.37415	308946.33	3917888.77	2.29418
308911.21	3917891.39	2.20560	308911.21	3917863.08	2.28286
308911.21	3917843.16	2.33526	308907.01	3917814.85	2.39452

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE1 ***
INCLUDING SOURCE(S): ONSITE , ONSITE3 , ONSITE4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
308825.76	3917655.49	2.33976	308831.00	3917707.91	2.32055
310062.70	3917617.91	2.93521	310057.97	3917649.81	2.57688
310065.54	3917531.61	4.52303	310076.02	3917532.66	4.22903
310091.22	3917531.09	3.92010	310134.21	3917531.09	3.17617
310150.46	3917529.51	2.98528	310173.53	3917530.04	2.71963
310123.73	3917492.29	4.04360	310156.75	3917498.06	3.37508
310174.05	3917499.63	3.12236	310237.49	3917521.12	2.27013
310251.12	3917488.10	2.47341	310300.92	3917510.64	1.93250
310211.68	3917430.80	3.68689	310241.90	3917417.85	3.40634
310269.65	3917401.20	3.21166	310256.70	3917372.82	3.81295
310229.56	3917386.39	4.11619	310194.41	3917397.50	4.68084
310180.22	3917367.89	5.84356	310217.23	3917356.17	5.01854
310250.53	3917337.67	4.57270	310237.58	3917307.45	5.67348
310204.89	3917317.93	6.51496	310165.42	3917336.44	7.54822
310157.40	3917311.15	9.27118	310214.14	3917281.54	7.50156
310153.55	3917200.69	21.03744	310102.75	3917212.51	38.66352
310085.02	3917249.14	33.97646	309698.03	3917026.59	8.00700
309662.85	3917024.31	7.22902	309636.35	3917025.68	6.83252
309564.62	3917163.20	10.11904	309385.36	3917044.63	4.26674
309401.55	3917154.82	5.97006	309389.38	3917154.82	5.76762
309377.70	3917155.78	5.59063	309365.77	3917155.78	5.41156
309540.50	3917300.46	13.34384	309540.17	3917307.06	13.54089
309540.50	3917317.29	13.89734	309540.83	3917327.20	14.27892
309548.42	3917229.81	11.64952	309496.59	3917195.15	8.84832

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE2 ***
INCLUDING SOURCE(S): ONSITE2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
309008.97	3917020.62	0.05737	309018.97	3917020.62	0.05854
309028.97	3917020.62	0.05975	309038.97	3917020.62	0.06101
309048.97	3917020.62	0.06231	309058.97	3917020.62	0.06366
309068.97	3917020.62	0.06505	309078.97	3917020.62	0.06650
309088.97	3917020.62	0.06800	309098.97	3917020.62	0.06955
309108.97	3917020.62	0.07117	309118.97	3917020.62	0.07285
309128.97	3917020.62	0.07460	309008.97	3917030.62	0.05893
309018.97	3917030.62	0.06014	309028.97	3917030.62	0.06139
309038.97	3917030.62	0.06269	309048.97	3917030.62	0.06403
309058.97	3917030.62	0.06542	309068.97	3917030.62	0.06686
309078.97	3917030.62	0.06835	309088.97	3917030.62	0.06990
309098.97	3917030.62	0.07151	309108.97	3917030.62	0.07318
309118.97	3917030.62	0.07492	309128.97	3917030.62	0.07673
309008.97	3917040.62	0.06064	309018.97	3917040.62	0.06189
309028.97	3917040.62	0.06318	309038.97	3917040.62	0.06452
309048.97	3917040.62	0.06591	309058.97	3917040.62	0.06735
309068.97	3917040.62	0.06884	309078.97	3917040.62	0.07039
309088.97	3917040.62	0.07200	309098.97	3917040.62	0.07367
309108.97	3917040.62	0.07540	309118.97	3917040.62	0.07721
309128.97	3917040.62	0.07909	308938.97	3917060.62	0.05621
308948.97	3917060.62	0.05729	308958.97	3917060.62	0.05839
308968.97	3917060.62	0.05954	308978.97	3917060.62	0.06072
308988.97	3917060.62	0.06194	308998.97	3917060.62	0.06320
309008.97	3917060.62	0.06451	309018.97	3917060.62	0.06586
309028.97	3917060.62	0.06727	309038.97	3917060.62	0.06872
309048.97	3917060.62	0.07022	309058.97	3917060.62	0.07178
309068.97	3917060.62	0.07340	309078.97	3917060.62	0.07508
309088.97	3917060.62	0.07683	309098.97	3917060.62	0.07864
309108.97	3917060.62	0.08053	309118.97	3917060.62	0.08250
309128.97	3917060.62	0.08455	308938.97	3917070.62	0.05803
308948.97	3917070.62	0.05915	308958.97	3917070.62	0.06030
308968.97	3917070.62	0.06149	308978.97	3917070.62	0.06272
308988.97	3917070.62	0.06400	308998.97	3917070.62	0.06532
309008.97	3917070.62	0.06668	309018.97	3917070.62	0.06809
309028.97	3917070.62	0.06956	309038.97	3917070.62	0.07108
309048.97	3917070.62	0.07266	309058.97	3917070.62	0.07429

309068.97	3917070.62	0.07599	309078.97	3917070.62	0.07775
309088.97	3917070.62	0.07957	309098.97	3917070.62	0.08147
309108.97	3917070.62	0.08345	309118.97	3917070.62	0.08551
309128.97	3917070.62	0.08766	308938.97	3917080.62	0.05996

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE2 ***
INCLUDING SOURCE(S): ONSITE2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
308948.97	3917080.62	0.06113	308958.97	3917080.62	0.06233
308968.97	3917080.62	0.06357	308978.97	3917080.62	0.06485
308988.97	3917080.62	0.06619	308998.97	3917080.62	0.06757
309008.97	3917080.62	0.06900	309018.97	3917080.62	0.07048
309028.97	3917080.62	0.07202	309038.97	3917080.62	0.07361
309048.97	3917080.62	0.07527	309058.97	3917080.62	0.07699
309068.97	3917080.62	0.07878	309078.97	3917080.62	0.08062
309088.97	3917080.62	0.08254	309098.97	3917080.62	0.08453
309108.97	3917080.62	0.08661	309118.97	3917080.62	0.08877
309128.97	3917080.62	0.09102	308938.97	3917090.62	0.06198
308948.97	3917090.62	0.06321	308958.97	3917090.62	0.06447
308968.97	3917090.62	0.06577	308978.97	3917090.62	0.06712
308988.97	3917090.62	0.06852	308998.97	3917090.62	0.06997
309008.97	3917090.62	0.07147	309018.97	3917090.62	0.07303
309028.97	3917090.62	0.07464	309038.97	3917090.62	0.07631
309048.97	3917090.62	0.07806	309058.97	3917090.62	0.07987
309068.97	3917090.62	0.08175	309078.97	3917090.62	0.08369
309088.97	3917090.62	0.08571	309098.97	3917090.62	0.08781
309108.97	3917090.62	0.09000	309118.97	3917090.62	0.09228
309128.97	3917090.62	0.09465	308888.97	3917100.62	0.05827
308898.97	3917100.62	0.05937	308908.97	3917100.62	0.06050
308918.97	3917100.62	0.06166	308938.97	3917100.62	0.06411
308948.97	3917100.62	0.06540	308958.97	3917100.62	0.06673
308968.97	3917100.62	0.06810	308978.97	3917100.62	0.06952
308988.97	3917100.62	0.07099	308998.97	3917100.62	0.07251
309008.97	3917100.62	0.07409	309018.97	3917100.62	0.07573
309028.97	3917100.62	0.07743	309038.97	3917100.62	0.07919
309048.97	3917100.62	0.08102	309058.97	3917100.62	0.08292
309068.97	3917100.62	0.08490	309078.97	3917100.62	0.08695
309088.97	3917100.62	0.08908	309098.97	3917100.62	0.09130
309108.97	3917100.62	0.09361	309118.97	3917100.62	0.09602
309128.97	3917100.62	0.09853	308888.97	3917110.62	0.06021
308898.97	3917110.62	0.06136	308908.97	3917110.62	0.06255
308918.97	3917110.62	0.06377	308938.97	3917110.62	0.06635
308948.97	3917110.62	0.06770	308958.97	3917110.62	0.06910
308968.97	3917110.62	0.07054	308978.97	3917110.62	0.07203

308988.97	3917110.62	0.07358	308998.97	3917110.62	0.07519
309008.97	3917110.62	0.07685	309018.97	3917110.62	0.07858
309028.97	3917110.62	0.08036	309038.97	3917110.62	0.08222
309048.97	3917110.62	0.08415	309058.97	3917110.62	0.08615

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE2 ***
INCLUDING SOURCE(S): ONSITE2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
309068.97	3917110.62	0.08824	309078.97	3917110.62	0.09040
309088.97	3917110.62	0.09266	309098.97	3917110.62	0.09500
309108.97	3917110.62	0.09744	309118.97	3917110.62	0.09999
309128.97	3917110.62	0.10265	308888.97	3917120.62	0.06224
308898.97	3917120.62	0.06344	308908.97	3917120.62	0.06469
308918.97	3917120.62	0.06597	308938.97	3917120.62	0.06868
308948.97	3917120.62	0.07010	308958.97	3917120.62	0.07156
308968.97	3917120.62	0.07308	308978.97	3917120.62	0.07466
308988.97	3917120.62	0.07629	308998.97	3917120.62	0.07798
309008.97	3917120.62	0.07973	309018.97	3917120.62	0.08155
309028.97	3917120.62	0.08343	309038.97	3917120.62	0.08539
309048.97	3917120.62	0.08743	309058.97	3917120.62	0.08954
309068.97	3917120.62	0.09174	309078.97	3917120.62	0.09403
309088.97	3917120.62	0.09641	309098.97	3917120.62	0.09890
309108.97	3917120.62	0.10148	309118.97	3917120.62	0.10418
309128.97	3917120.62	0.10700	308838.97	3917150.62	0.06236
308848.97	3917150.62	0.06355	308858.97	3917150.62	0.06477
308868.97	3917150.62	0.06603	308878.97	3917150.62	0.06734
308888.97	3917150.62	0.06868	308898.97	3917150.62	0.07007
308908.97	3917150.62	0.07151	308918.97	3917150.62	0.07300
308928.97	3917150.62	0.07453	308938.97	3917150.62	0.07612
308948.97	3917150.62	0.07777	308958.97	3917150.62	0.07947
308968.97	3917150.62	0.08124	308978.97	3917150.62	0.08307
308988.97	3917150.62	0.08497	308998.97	3917150.62	0.08694
309008.97	3917150.62	0.08899	309018.97	3917150.62	0.09112
309028.97	3917150.62	0.09333	309038.97	3917150.62	0.09563
309048.97	3917150.62	0.09802	309058.97	3917150.62	0.10051
309068.97	3917150.62	0.10310	309078.97	3917150.62	0.10580
309088.97	3917150.62	0.10862	309098.97	3917150.62	0.11156
309108.97	3917150.62	0.11464	309118.97	3917150.62	0.11785
309128.97	3917150.62	0.12121	308838.97	3917160.62	0.06432
308848.97	3917160.62	0.06556	308858.97	3917160.62	0.06684
308868.97	3917160.62	0.06816	308878.97	3917160.62	0.06953
308888.97	3917160.62	0.07094	308898.97	3917160.62	0.07239
308908.97	3917160.62	0.07390	308918.97	3917160.62	0.07546
308928.97	3917160.62	0.07707	308938.97	3917160.62	0.07874

308948.97	3917160.62	0.08046	308958.97	3917160.62	0.08225
308968.97	3917160.62	0.08411	308978.97	3917160.62	0.08603
308988.97	3917160.62	0.08803	308998.97	3917160.62	0.09010
309008.97	3917160.62	0.09226	309018.97	3917160.62	0.09449

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE2 ***
INCLUDING SOURCE(S): ONSITE2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
309028.97	3917160.62	0.09682	309038.97	3917160.62	0.09924
309048.97	3917160.62	0.10176	309058.97	3917160.62	0.10438
309068.97	3917160.62	0.10712	309078.97	3917160.62	0.10997
309088.97	3917160.62	0.11295	309098.97	3917160.62	0.11605
309108.97	3917160.62	0.11930	309118.97	3917160.62	0.12269
309128.97	3917160.62	0.12624	308838.97	3917170.62	0.06632
308848.97	3917170.62	0.06761	308858.97	3917170.62	0.06895
308868.97	3917170.62	0.07033	308878.97	3917170.62	0.07176
308888.97	3917170.62	0.07323	308898.97	3917170.62	0.07475
308908.97	3917170.62	0.07633	308918.97	3917170.62	0.07796
308928.97	3917170.62	0.07965	308938.97	3917170.62	0.08140
308948.97	3917170.62	0.08321	308958.97	3917170.62	0.08508
308968.97	3917170.62	0.08703	308978.97	3917170.62	0.08905
308988.97	3917170.62	0.09115	308998.97	3917170.62	0.09332
309008.97	3917170.62	0.09558	309018.97	3917170.62	0.09794
309028.97	3917170.62	0.10038	309038.97	3917170.62	0.10292
309048.97	3917170.62	0.10557	309058.97	3917170.62	0.10834
309068.97	3917170.62	0.11121	309078.97	3917170.62	0.11422
309088.97	3917170.62	0.11735	309098.97	3917170.62	0.12063
309108.97	3917170.62	0.12405	309118.97	3917170.62	0.12763
309128.97	3917170.62	0.13138	308838.97	3917180.62	0.06834
308848.97	3917180.62	0.06969	308858.97	3917180.62	0.07108
308868.97	3917180.62	0.07252	308878.97	3917180.62	0.07401
308888.97	3917180.62	0.07555	308898.97	3917180.62	0.07715
308908.97	3917180.62	0.07879	308918.97	3917180.62	0.08050
308928.97	3917180.62	0.08226	308938.97	3917180.62	0.08409
308948.97	3917180.62	0.08599	308958.97	3917180.62	0.08795
308968.97	3917180.62	0.08999	308978.97	3917180.62	0.09210
308988.97	3917180.62	0.09430	308998.97	3917180.62	0.09658
309008.97	3917180.62	0.09895	309018.97	3917180.62	0.10142
309028.97	3917180.62	0.10398	309038.97	3917180.62	0.10665
309048.97	3917180.62	0.10944	309058.97	3917180.62	0.11234
309068.97	3917180.62	0.11536	309078.97	3917180.62	0.11852
309088.97	3917180.62	0.12182	309098.97	3917180.62	0.12526
309108.97	3917180.62	0.12887	309118.97	3917180.62	0.13264
309128.97	3917180.62	0.13659	308758.97	3917300.62	0.07850

308768.97	3917300.62	0.08004	308778.97	3917300.62	0.08163
308788.97	3917300.62	0.08327	308798.97	3917300.62	0.08496
308758.97	3917310.62	0.08001	308768.97	3917310.62	0.08158
308778.97	3917310.62	0.08320	308788.97	3917310.62	0.08487

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE2 ***
INCLUDING SOURCE(S): ONSITE2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
308798.97	3917310.62	0.08660	308758.97	3917320.62	0.08149
308768.97	3917320.62	0.08308	308778.97	3917320.62	0.08473
308788.97	3917320.62	0.08643	308798.97	3917320.62	0.08818
308758.97	3917330.62	0.08292	308768.97	3917330.62	0.08454
308778.97	3917330.62	0.08622	308788.97	3917330.62	0.08795
308798.97	3917330.62	0.08973	308758.97	3917340.62	0.08431
308768.97	3917340.62	0.08596	308778.97	3917340.62	0.08766
308788.97	3917340.62	0.08941	308798.97	3917340.62	0.09122
308758.97	3917350.62	0.08565	308768.97	3917350.62	0.08732
308778.97	3917350.62	0.08905	308788.97	3917350.62	0.09083
308798.97	3917350.62	0.09266	308758.97	3917360.62	0.08694
308768.97	3917360.62	0.08864	308778.97	3917360.62	0.09038
308788.97	3917360.62	0.09219	308798.97	3917360.62	0.09404
308758.97	3917370.62	0.08818	308768.97	3917370.62	0.08990
308778.97	3917370.62	0.09166	308788.97	3917370.62	0.09348
308798.97	3917370.62	0.09536	308808.97	3917370.62	0.09729
308818.97	3917370.62	0.09928	308828.97	3917370.62	0.10134
308838.97	3917370.62	0.10346	308848.97	3917370.62	0.10566
308858.97	3917370.62	0.10792	308868.97	3917370.62	0.11026
308888.97	3917370.62	0.11517	308898.97	3917370.62	0.11774
308908.97	3917370.62	0.12040	308918.97	3917370.62	0.12314
308928.97	3917370.62	0.12599	308938.97	3917370.62	0.12893
308948.97	3917370.62	0.13197	308758.97	3917380.62	0.08937
308768.97	3917380.62	0.09110	308778.97	3917380.62	0.09289
308788.97	3917380.62	0.09472	308798.97	3917380.62	0.09662
308808.97	3917380.62	0.09857	308818.97	3917380.62	0.10057
308828.97	3917380.62	0.10265	308838.97	3917380.62	0.10479
308848.97	3917380.62	0.10701	308858.97	3917380.62	0.10930
308868.97	3917380.62	0.11165	308888.97	3917380.62	0.11658
308898.97	3917380.62	0.11917	308908.97	3917380.62	0.12185
308918.97	3917380.62	0.12461	308928.97	3917380.62	0.12747
308938.97	3917380.62	0.13043	308948.97	3917380.62	0.13350
308758.97	3917390.62	0.09050	308768.97	3917390.62	0.09225
308778.97	3917390.62	0.09405	308788.97	3917390.62	0.09590
308798.97	3917390.62	0.09781	308808.97	3917390.62	0.09977
308818.97	3917390.62	0.10179	308828.97	3917390.62	0.10388

308838.97	3917390.62	0.10604	308848.97	3917390.62	0.10828
308858.97	3917390.62	0.11058	308868.97	3917390.62	0.11294
308938.97	3917390.62	0.13183	308948.97	3917390.62	0.13490
308758.97	3917400.62	0.09157	308768.97	3917400.62	0.09333

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE2 ***
INCLUDING SOURCE(S): ONSITE2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
308778.97	3917400.62	0.09514	308788.97	3917400.62	0.09701
308798.97	3917400.62	0.09893	308808.97	3917400.62	0.10090
308818.97	3917400.62	0.10294	308838.97	3917400.62	0.10721
308848.97	3917400.62	0.10945	308858.97	3917400.62	0.11176
308868.97	3917400.62	0.11414	308888.97	3917400.62	0.11914
308898.97	3917400.62	0.12175	308908.97	3917400.62	0.12445
308918.97	3917400.62	0.12724	308938.97	3917400.62	0.13310
308948.97	3917400.62	0.13619	308758.97	3917410.62	0.09259
308768.97	3917410.62	0.09436	308778.97	3917410.62	0.09618
308788.97	3917410.62	0.09806	308798.97	3917410.62	0.09998
308808.97	3917410.62	0.10197	308818.97	3917410.62	0.10402
308838.97	3917410.62	0.10830	308848.97	3917410.62	0.11054
308858.97	3917410.62	0.11286	308868.97	3917410.62	0.11525
308888.97	3917410.62	0.12028	308898.97	3917410.62	0.12290
308908.97	3917410.62	0.12560	308918.97	3917410.62	0.12840
308938.97	3917410.62	0.13428	308948.97	3917410.62	0.13737
308758.97	3917420.62	0.09355	308768.97	3917420.62	0.09532
308778.97	3917420.62	0.09715	308788.97	3917420.62	0.09903
308798.97	3917420.62	0.10097	308808.97	3917420.62	0.10297
308818.97	3917420.62	0.10502	308838.97	3917420.62	0.10931
308848.97	3917420.62	0.11156	308858.97	3917420.62	0.11387
308868.97	3917420.62	0.11628	308888.97	3917420.62	0.12132
308898.97	3917420.62	0.12394	308908.97	3917420.62	0.12666
308918.97	3917420.62	0.12946	308938.97	3917420.62	0.13534
308948.97	3917420.62	0.13844	308758.97	3917430.62	0.09444
308768.97	3917430.62	0.09623	308778.97	3917430.62	0.09806
308788.97	3917430.62	0.09995	308798.97	3917430.62	0.10189
308808.97	3917430.62	0.10389	308818.97	3917430.62	0.10595
308838.97	3917430.62	0.11026	308848.97	3917430.62	0.11251
308858.97	3917430.62	0.11482	308868.97	3917430.62	0.11722
308888.97	3917430.62	0.12225	308898.97	3917430.62	0.12489
308908.97	3917430.62	0.12761	308918.97	3917430.62	0.13042
308938.97	3917430.62	0.13630	308948.97	3917430.62	0.13939
308758.97	3917440.62	0.09528	308768.97	3917440.62	0.09707
308778.97	3917440.62	0.09891	308788.97	3917440.62	0.10080
308798.97	3917440.62	0.10275	308808.97	3917440.62	0.10475

308818.97	3917440.62	0.10681	308838.97	3917440.62	0.11112
308848.97	3917440.62	0.11337	308858.97	3917440.62	0.11569
308868.97	3917440.62	0.11809	308888.97	3917440.62	0.12310
308898.97	3917440.62	0.12574	308908.97	3917440.62	0.12847

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE2 ***
INCLUDING SOURCE(S): ONSITE2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
308918.97	3917440.62	0.13128	308938.97	3917440.62	0.13716
308948.97	3917440.62	0.14024	308758.97	3917450.62	0.09606
308768.97	3917450.62	0.09785	308778.97	3917450.62	0.09969
308788.97	3917450.62	0.10158	308798.97	3917450.62	0.10353
308808.97	3917450.62	0.10554	308818.97	3917450.62	0.10760
308838.97	3917450.62	0.11191	308848.97	3917450.62	0.11416
308858.97	3917450.62	0.11648	308868.97	3917450.62	0.11887
308888.97	3917450.62	0.12387	308898.97	3917450.62	0.12651
308908.97	3917450.62	0.12924	308918.97	3917450.62	0.13205
308938.97	3917450.62	0.13792	308948.97	3917450.62	0.14100
308758.97	3917460.62	0.09678	308768.97	3917460.62	0.09857
308778.97	3917460.62	0.10041	308788.97	3917460.62	0.10231
308798.97	3917460.62	0.10425	308808.97	3917460.62	0.10626
308818.97	3917460.62	0.10832	308838.97	3917460.62	0.11262
308848.97	3917460.62	0.11487	308858.97	3917460.62	0.11719
308868.97	3917460.62	0.11957	308888.97	3917460.62	0.12457
308898.97	3917460.62	0.12721	308908.97	3917460.62	0.12992
308918.97	3917460.62	0.13273	308938.97	3917460.62	0.13858
308948.97	3917460.62	0.14165	308758.97	3917470.62	0.09744
308768.97	3917470.62	0.09923	308778.97	3917470.62	0.10107
308788.97	3917470.62	0.10296	308798.97	3917470.62	0.10491
308808.97	3917470.62	0.10691	308818.97	3917470.62	0.10897
308838.97	3917470.62	0.11326	308848.97	3917470.62	0.11551
308858.97	3917470.62	0.11782	308868.97	3917470.62	0.12020
308888.97	3917470.62	0.12519	308898.97	3917470.62	0.12781
308908.97	3917470.62	0.13053	308918.97	3917470.62	0.13333
308938.97	3917470.62	0.13916	308948.97	3917470.62	0.14222
308758.97	3917480.62	0.09805	308768.97	3917480.62	0.09984
308778.97	3917480.62	0.10168	308788.97	3917480.62	0.10356
308798.97	3917480.62	0.10551	308808.97	3917480.62	0.10751
308818.97	3917480.62	0.10956	308838.97	3917480.62	0.11385
308848.97	3917480.62	0.11609	308858.97	3917480.62	0.11839
308868.97	3917480.62	0.12077	308938.97	3917480.62	0.13965
308948.97	3917480.62	0.14270	308758.97	3917490.62	0.09861
308768.97	3917490.62	0.10039	308778.97	3917490.62	0.10223
308788.97	3917490.62	0.10412	308798.97	3917490.62	0.10605

308808.97	3917490.62	0.10804	308818.97	3917490.62	0.11009
308838.97	3917490.62	0.11437	308848.97	3917490.62	0.11661
308858.97	3917490.62	0.11891	308868.97	3917490.62	0.12127
308878.97	3917490.62	0.12371	308888.97	3917490.62	0.12623

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE2 ***
INCLUDING SOURCE(S): ONSITE2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
308898.97	3917490.62	0.12883	308908.97	3917490.62	0.13151
308918.97	3917490.62	0.13428	308938.97	3917490.62	0.14006
308948.97	3917490.62	0.14310	308758.97	3917500.62	0.09911
308768.97	3917500.62	0.10089	308778.97	3917500.62	0.10272
308788.97	3917500.62	0.10461	308798.97	3917500.62	0.10654
308808.97	3917500.62	0.10853	308818.97	3917500.62	0.11057
308838.97	3917500.62	0.11483	308848.97	3917500.62	0.11706
308858.97	3917500.62	0.11935	308868.97	3917500.62	0.12171
308878.97	3917500.62	0.12414	308888.97	3917500.62	0.12664
308898.97	3917500.62	0.12923	308908.97	3917500.62	0.13189
308918.97	3917500.62	0.13464	308938.97	3917500.62	0.14040
308948.97	3917500.62	0.14342	308758.97	3917510.62	0.09956
308768.97	3917510.62	0.10134	308778.97	3917510.62	0.10317
308788.97	3917510.62	0.10504	308798.97	3917510.62	0.10697
308808.97	3917510.62	0.10895	308818.97	3917510.62	0.11099
308838.97	3917510.62	0.11524	308848.97	3917510.62	0.11745
308858.97	3917510.62	0.11973	308868.97	3917510.62	0.12208
308878.97	3917510.62	0.12450	308888.97	3917510.62	0.12700
308898.97	3917510.62	0.12957	308908.97	3917510.62	0.13221
308918.97	3917510.62	0.13495	308938.97	3917510.62	0.14068
308948.97	3917510.62	0.14368	308758.97	3917520.62	0.09997
308768.97	3917520.62	0.10174	308778.97	3917520.62	0.10356
308788.97	3917520.62	0.10543	308798.97	3917520.62	0.10735
308808.97	3917520.62	0.10932	308818.97	3917520.62	0.11135
308838.97	3917520.62	0.11558	308848.97	3917520.62	0.11779
308858.97	3917520.62	0.12006	308868.97	3917520.62	0.12240
308878.97	3917520.62	0.12481	308888.97	3917520.62	0.12729
308898.97	3917520.62	0.12985	308908.97	3917520.62	0.13248
308918.97	3917520.62	0.13520	308938.97	3917520.62	0.14090
308948.97	3917520.62	0.14389	308758.97	3917530.62	0.10033
308768.97	3917530.62	0.10209	308778.97	3917530.62	0.10390
308788.97	3917530.62	0.10576	308798.97	3917530.62	0.10768
308808.97	3917530.62	0.10964	308818.97	3917530.62	0.11166
308838.97	3917530.62	0.11587	308848.97	3917530.62	0.11807
308858.97	3917530.62	0.12033	308868.97	3917530.62	0.12266
308878.97	3917530.62	0.12505	308888.97	3917530.62	0.12752

308898.97	3917530.62	0.13006	308908.97	3917530.62	0.13269
308918.97	3917530.62	0.13539	308938.97	3917530.62	0.14106
308948.97	3917530.62	0.14403	308808.97	3917540.62	0.10991
308818.97	3917540.62	0.11192	308838.97	3917540.62	0.11611

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE2 ***
INCLUDING SOURCE(S): ONSITE2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
308848.97	3917540.62	0.11829	308858.97	3917540.62	0.12054
308868.97	3917540.62	0.12285	308878.97	3917540.62	0.12524
308888.97	3917540.62	0.12770	308898.97	3917540.62	0.13023
308908.97	3917540.62	0.13283	308918.97	3917540.62	0.13552
308938.97	3917540.62	0.14116	308948.97	3917540.62	0.14411
308808.97	3917550.62	0.11013	308818.97	3917550.62	0.11212
308838.97	3917550.62	0.11628	308848.97	3917550.62	0.11846
308858.97	3917550.62	0.12070	308868.97	3917550.62	0.12300
308878.97	3917550.62	0.12537	308888.97	3917550.62	0.12781
308898.97	3917550.62	0.13033	308908.97	3917550.62	0.13292
308918.97	3917550.62	0.13559	308938.97	3917550.62	0.14119
308948.97	3917550.62	0.14412	308808.97	3917560.62	0.11030
308818.97	3917560.62	0.11229	308838.97	3917560.62	0.11642
308848.97	3917560.62	0.11858	308858.97	3917560.62	0.12081
308868.97	3917560.62	0.12310	308878.97	3917560.62	0.12546
308938.97	3917560.62	0.14118	308948.97	3917560.62	0.14410
308808.97	3917570.62	0.11044	308818.97	3917570.62	0.11241
308838.97	3917570.62	0.11652	308848.97	3917570.62	0.11867
308858.97	3917570.62	0.12088	308868.97	3917570.62	0.12316
308878.97	3917570.62	0.12550	308938.97	3917570.62	0.14113
308948.97	3917570.62	0.14403	308868.97	3917580.62	0.12318
308878.97	3917580.62	0.12551	308880.66	3917999.48	0.10999
308899.60	3917993.17	0.11307	308916.74	3917994.97	0.11538
308930.26	3918002.19	0.11674	308942.89	3918005.79	0.11823
308962.73	3918009.40	0.12072	308978.07	3918012.11	0.12263
309000.61	3918017.52	0.12520	309058.33	3918014.81	0.13350
309088.10	3918016.62	0.13715	309139.50	3918013.91	0.14391
309199.93	3917986.85	0.15651	309254.04	3917983.25	0.16230
309291.92	3917983.25	0.16440	309336.12	3917988.66	0.16334
309363.17	3917989.56	0.16251	309426.81	3917993.10	0.15711
309454.30	3917999.38	0.15178	309511.26	3918008.32	0.14063
309539.51	3918027.62	0.12971	309131.94	3917360.12	0.21213
309109.35	3917304.34	0.18325	309205.37	3917534.60	0.26989
309128.13	3917544.38	0.21795	309126.28	3917515.40	0.21840
309126.90	3917484.57	0.21960	309109.63	3917481.49	0.20966
309109.63	3917515.40	0.20914	309109.63	3917544.38	0.20794

309057.22	3917531.43	0.18333	309056.60	3917490.74	0.18321
309055.37	3917467.92	0.18213	309058.45	3917445.72	0.18248
309018.37	3917425.37	0.16359	309016.52	3917440.17	0.16409
309017.75	3917461.75	0.16592	309015.90	3917479.02	0.16591

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE2 ***
INCLUDING SOURCE(S): ONSITE2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
309015.29	3917527.73	0.16634	309014.05	3917551.78	0.16568
309056.59	3917294.28	0.15419	309044.36	3917294.28	0.14907
309012.17	3917196.11	0.10506	308992.22	3917193.21	0.09908
308786.69	3917561.72	0.10609	308879.07	3917651.09	0.12475
309014.69	3917652.32	0.16209	309095.56	3917655.22	0.19241
309196.25	3917644.08	0.24416	309269.32	3917636.06	0.29320
309269.32	3917651.66	0.28735	309274.22	3917668.14	0.28399
309351.75	3917632.05	0.35676	309351.75	3917652.10	0.34308
309395.86	3917637.40	0.38555	309394.97	3917651.66	0.37211
309576.30	3917651.21	0.43031	309661.85	3917626.71	0.45167
309739.32	3917632.76	0.39036	309775.71	3917630.91	0.36794
309827.51	3917626.59	0.33833	309880.55	3917636.46	0.28959
309925.57	3917718.48	0.19470	309924.33	3917740.07	0.18143
309889.80	3917811.61	0.15176	309900.90	3917844.29	0.13626
309846.63	3917860.94	0.13813	309831.83	3917825.79	0.15594
309807.77	3917847.38	0.15034	309928.20	3917921.64	0.10845
309774.55	3917848.23	0.15642	309786.51	3917884.94	0.13811
309754.92	3917890.91	0.14116	309742.12	3917853.35	0.16092
309709.68	3917861.04	0.16458	309710.54	3917938.71	0.13068
309657.61	3917939.57	0.14023	309599.57	3917937.00	0.15322
309703.71	3917900.30	0.14717	309655.05	3917900.30	0.15787
309601.28	3917903.71	0.16862	309592.74	3917863.60	0.19326
309667.86	3917861.04	0.17516	309366.54	3917791.89	0.25713
309364.83	3917812.38	0.24471	309363.98	3917840.55	0.22892
309307.64	3917853.35	0.21472	309301.67	3917820.92	0.22784
309311.91	3917795.31	0.24230	309235.94	3917791.89	0.22064
309239.36	3917822.62	0.21130	309239.36	3917858.47	0.19934
309205.21	3917802.14	0.20754	309104.49	3917811.53	0.17455
309104.49	3917846.52	0.16873	309075.47	3917846.52	0.16130
309078.03	3917812.38	0.16685	309059.04	3917808.04	0.16213
309059.04	3917822.71	0.16028	309042.26	3917825.86	0.15553
309041.74	3917847.88	0.15280	309041.74	3917865.70	0.15065
309021.30	3917811.18	0.15172	309021.82	3917840.01	0.14890
309021.30	3917867.80	0.14579	309020.25	3917885.62	0.14359
308987.74	3917886.67	0.13672	308984.60	3917865.18	0.13804
308988.27	3917843.68	0.14076	308984.60	3917813.80	0.14240

308946.86	3917813.28	0.13376	308948.95	3917844.21	0.13217
308952.62	3917868.32	0.13116	308946.33	3917888.77	0.12840
308911.21	3917891.39	0.12177	308911.21	3917863.08	0.12348
308911.21	3917843.16	0.12460	308907.01	3917814.85	0.12524

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PHASE2 ***
INCLUDING SOURCE(S): ONSITE2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
308825.76	3917655.49	0.11351	308831.00	3917707.91	0.11365
310062.70	3917617.91	0.20666	310057.97	3917649.81	0.18724
310065.54	3917531.61	0.28741	310076.02	3917532.66	0.27723
310091.22	3917531.09	0.26688	310134.21	3917531.09	0.23623
310150.46	3917529.51	0.22753	310173.53	3917530.04	0.21372
310123.73	3917492.29	0.28833	310156.75	3917498.06	0.25560
310174.05	3917499.63	0.24220	310237.49	3917521.12	0.18925
310251.12	3917488.10	0.20919	310300.92	3917510.64	0.17166
310211.68	3917430.80	0.29913	310241.90	3917417.85	0.29182
310269.65	3917401.20	0.29036	310256.70	3917372.82	0.34287
310229.56	3917386.39	0.35154	310194.41	3917397.50	0.37326
310180.22	3917367.89	0.46072	310217.23	3917356.17	0.42564
310250.53	3917337.67	0.41012	310237.58	3917307.45	0.49525
310204.89	3917317.93	0.54266	310165.42	3917336.44	0.58482
310157.40	3917311.15	0.70391	310214.14	3917281.54	0.61997
310153.55	3917200.69	1.31771	310102.75	3917212.51	1.86385
310085.02	3917249.14	1.69276	309698.03	3917026.59	1.61071
309662.85	3917024.31	0.82089	309636.35	3917025.68	0.60753
309564.62	3917163.20	1.30391	309385.36	3917044.63	0.17498
309401.55	3917154.82	0.35135	309389.38	3917154.82	0.32961
309377.70	3917155.78	0.31219	309365.77	3917155.78	0.29433
309540.50	3917300.46	1.48177	309540.17	3917307.06	1.46515
309540.50	3917317.29	1.44456	309540.83	3917327.20	1.41997
309548.42	3917229.81	1.54570	309496.59	3917195.15	0.83067

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALLAREA ***
INCLUDING SOURCE(S): ONSITE , ONSITE2 , ONSITE3 , ONSITE4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
309008.97	3917020.62	2.18953	309018.97	3917020.62	2.21999
309028.97	3917020.62	2.25120	309038.97	3917020.62	2.28412
309048.97	3917020.62	2.31828	309058.97	3917020.62	2.35298
309068.97	3917020.62	2.38783	309078.97	3917020.62	2.42283
309088.97	3917020.62	2.45940	309098.97	3917020.62	2.49755
309108.97	3917020.62	2.53689	309118.97	3917020.62	2.57671
309128.97	3917020.62	2.61709	309008.97	3917030.62	2.22408
309018.97	3917030.62	2.25634	309028.97	3917030.62	2.28981
309038.97	3917030.62	2.32380	309048.97	3917030.62	2.35791
309058.97	3917030.62	2.39251	309068.97	3917030.62	2.42820
309078.97	3917030.62	2.46534	309088.97	3917030.62	2.50381
309098.97	3917030.62	2.54309	309108.97	3917030.62	2.58276
309118.97	3917030.62	2.62380	309128.97	3917030.62	2.66638
309008.97	3917040.62	2.26010	309018.97	3917040.62	2.29333
309028.97	3917040.62	2.32718	309038.97	3917040.62	2.36145
309048.97	3917040.62	2.39656	309058.97	3917040.62	2.43259
309068.97	3917040.62	2.47018	309078.97	3917040.62	2.50885
309088.97	3917040.62	2.54798	309098.97	3917040.62	2.58819
309108.97	3917040.62	2.62990	309118.97	3917040.62	2.67284
309128.97	3917040.62	2.71688	308938.97	3917060.62	2.10795
308948.97	3917060.62	2.13771	308958.97	3917060.62	2.16795
308968.97	3917060.62	2.19908	308978.97	3917060.62	2.23099
308988.97	3917060.62	2.26377	308998.97	3917060.62	2.29711
309008.97	3917060.62	2.33095	309018.97	3917060.62	2.36559
309028.97	3917060.62	2.40142	309038.97	3917060.62	2.43858
309048.97	3917060.62	2.47697	309058.97	3917060.62	2.51600
309068.97	3917060.62	2.55559	309078.97	3917060.62	2.59554
309088.97	3917060.62	2.63670	309098.97	3917060.62	2.67955
309108.97	3917060.62	2.72438	309118.97	3917060.62	2.77076
309128.97	3917060.62	2.81790	308938.97	3917070.62	2.13762
308948.97	3917070.62	2.16846	308958.97	3917070.62	2.19971
308968.97	3917070.62	2.23154	308978.97	3917070.62	2.26383
308988.97	3917070.62	2.29691	308998.97	3917070.62	2.33101
309008.97	3917070.62	2.36617	309018.97	3917070.62	2.40249
309028.97	3917070.62	2.43998	309038.97	3917070.62	2.47812
309048.97	3917070.62	2.51680	309058.97	3917070.62	2.55591

309068.97	3917070.62	2.59648	309078.97	3917070.62	2.63846
309088.97	3917070.62	2.68230	309098.97	3917070.62	2.72741
309108.97	3917070.62	2.77360	309118.97	3917070.62	2.82076
309128.97	3917070.62	2.86915	308938.97	3917080.62	2.16827

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALLAREA ***
INCLUDING SOURCE(S): ONSITE , ONSITE2 , ONSITE3 , ONSITE4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
308948.97	3917080.62	2.19965	308958.97	3917080.62	2.23115
308968.97	3917080.62	2.26332	308978.97	3917080.62	2.29639
308988.97	3917080.62	2.33069	308998.97	3917080.62	2.36644
309008.97	3917080.62	2.40284	309018.97	3917080.62	2.43989
309028.97	3917080.62	2.47717	309038.97	3917080.62	2.51544
309048.97	3917080.62	2.55533	309058.97	3917080.62	2.59686
309068.97	3917080.62	2.64046	309078.97	3917080.62	2.68442
309088.97	3917080.62	2.72924	309098.97	3917080.62	2.77463
309108.97	3917080.62	2.82126	309118.97	3917080.62	2.86949
309128.97	3917080.62	2.91948	308938.97	3917090.62	2.19700
308948.97	3917090.62	2.22890	308958.97	3917090.62	2.26151
308968.97	3917090.62	2.29521	308978.97	3917090.62	2.32962
308988.97	3917090.62	2.36489	308998.97	3917090.62	2.40099
309008.97	3917090.62	2.43768	309018.97	3917090.62	2.47531
309028.97	3917090.62	2.51426	309038.97	3917090.62	2.55467
309048.97	3917090.62	2.59698	309058.97	3917090.62	2.63999
309068.97	3917090.62	2.68398	309078.97	3917090.62	2.72802
309088.97	3917090.62	2.77329	309098.97	3917090.62	2.81993
309108.97	3917090.62	2.86855	309118.97	3917090.62	2.91856
309128.97	3917090.62	2.97034	308888.97	3917100.62	2.07265
308898.97	3917100.62	2.10181	308908.97	3917100.62	2.13146
308918.97	3917100.62	2.16200	308938.97	3917100.62	2.22593
308948.97	3917100.62	2.25920	308958.97	3917100.62	2.29294
308968.97	3917100.62	2.32736	308978.97	3917100.62	2.36223
308988.97	3917100.62	2.39828	308998.97	3917100.62	2.43538
309008.97	3917100.62	2.47365	309018.97	3917100.62	2.51314
309028.97	3917100.62	2.55366	309038.97	3917100.62	2.59479
309048.97	3917100.62	2.63710	309058.97	3917100.62	2.68018
309068.97	3917100.62	2.72458	309078.97	3917100.62	2.77007
309088.97	3917100.62	2.81735	309098.97	3917100.62	2.86636
309108.97	3917100.62	2.91696	309118.97	3917100.62	2.96902
309128.97	3917100.62	3.02255	308888.97	3917110.62	2.09632
308898.97	3917110.62	2.12658	308908.97	3917110.62	2.15786
308918.97	3917110.62	2.18982	308938.97	3917110.62	2.25538
308948.97	3917110.62	2.28916	308958.97	3917110.62	2.32371
308968.97	3917110.62	2.35893	308978.97	3917110.62	2.39529

308988.97	3917110.62	2.43255	308998.97	3917110.62	2.47062
309008.97	3917110.62	2.50961	309018.97	3917110.62	2.54934
309028.97	3917110.62	2.59030	309038.97	3917110.62	2.63217
309048.97	3917110.62	2.67569	309058.97	3917110.62	2.72034

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALLAREA ***
INCLUDING SOURCE(S): ONSITE , ONSITE2 , ONSITE3 , ONSITE4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
309068.97	3917110.62	2.76668	309078.97	3917110.62	2.81426
309088.97	3917110.62	2.86338	309098.97	3917110.62	2.91388
309108.97	3917110.62	2.96578	309118.97	3917110.62	3.01873
309128.97	3917110.62	3.07298	308888.97	3917120.62	2.12231
308898.97	3917120.62	2.15347	308908.97	3917120.62	2.18510
308918.97	3917120.62	2.21716	308938.97	3917120.62	2.28323
308948.97	3917120.62	2.31758	308958.97	3917120.62	2.35293
308968.97	3917120.62	2.38918	308978.97	3917120.62	2.42648
308988.97	3917120.62	2.46463	308998.97	3917120.62	2.50361
309008.97	3917120.62	2.54380	309018.97	3917120.62	2.58509
309028.97	3917120.62	2.62751	309038.97	3917120.62	2.67110
309048.97	3917120.62	2.71595	309058.97	3917120.62	2.76207
309068.97	3917120.62	2.80952	309078.97	3917120.62	2.85806
309088.97	3917120.62	2.90803	309098.97	3917120.62	2.95925
309108.97	3917120.62	3.01175	309118.97	3917120.62	3.06592
309128.97	3917120.62	3.12219	308838.97	3917150.62	2.04022
308848.97	3917150.62	2.06955	308858.97	3917150.62	2.09955
308868.97	3917150.62	2.13019	308878.97	3917150.62	2.16171
308888.97	3917150.62	2.19393	308898.97	3917150.62	2.22682
308908.97	3917150.62	2.26031	308918.97	3917150.62	2.29453
308928.97	3917150.62	2.32958	308938.97	3917150.62	2.36544
308948.97	3917150.62	2.40209	308958.97	3917150.62	2.43984
308968.97	3917150.62	2.47861	308978.97	3917150.62	2.51833
308988.97	3917150.62	2.55921	308998.97	3917150.62	2.60111
309008.97	3917150.62	2.64423	309018.97	3917150.62	2.68855
309028.97	3917150.62	2.73415	309038.97	3917150.62	2.78092
309048.97	3917150.62	2.82945	309058.97	3917150.62	2.87928
309068.97	3917150.62	2.93025	309078.97	3917150.62	2.98289
309088.97	3917150.62	3.03727	309098.97	3917150.62	3.09323
309108.97	3917150.62	3.15099	309118.97	3917150.62	3.21062
309128.97	3917150.62	3.27217	308838.97	3917160.62	2.05971
308848.97	3917160.62	2.08971	308858.97	3917160.62	2.12019
308868.97	3917160.62	2.15123	308878.97	3917160.62	2.18296
308888.97	3917160.62	2.21550	308898.97	3917160.62	2.24877
308908.97	3917160.62	2.28288	308918.97	3917160.62	2.31795
308928.97	3917160.62	2.35394	308938.97	3917160.62	2.39089

308948.97	3917160.62	2.42875	308958.97	3917160.62	2.46754
308968.97	3917160.62	2.50744	308978.97	3917160.62	2.54834
308988.97	3917160.62	2.59027	308998.97	3917160.62	2.63327
309008.97	3917160.62	2.67745	309018.97	3917160.62	2.72297

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALLAREA ***
INCLUDING SOURCE(S): ONSITE , ONSITE2 , ONSITE3 , ONSITE4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
309028.97	3917160.62	2.76980	309038.97	3917160.62	2.81768
309048.97	3917160.62	2.86691	309058.97	3917160.62	2.91773
309068.97	3917160.62	2.96974	309078.97	3917160.62	3.02342
309088.97	3917160.62	3.07877	309098.97	3917160.62	3.13578
309108.97	3917160.62	3.19478	309118.97	3917160.62	3.25582
309128.97	3917160.62	3.31873	308838.97	3917170.62	2.07926
308848.97	3917170.62	2.10962	308858.97	3917170.62	2.14052
308868.97	3917170.62	2.17207	308878.97	3917170.62	2.20440
308888.97	3917170.62	2.23767	308898.97	3917170.62	2.27183
308908.97	3917170.62	2.30682	308918.97	3917170.62	2.34269
308928.97	3917170.62	2.37950	308938.97	3917170.62	2.41717
308948.97	3917170.62	2.45586	308958.97	3917170.62	2.49527
308968.97	3917170.62	2.53571	308978.97	3917170.62	2.57732
308988.97	3917170.62	2.62002	308998.97	3917170.62	2.66381
309008.97	3917170.62	2.70883	309018.97	3917170.62	2.75497
309028.97	3917170.62	2.80241	309038.97	3917170.62	2.85112
309048.97	3917170.62	2.90131	309058.97	3917170.62	2.95301
309068.97	3917170.62	3.00619	309078.97	3917170.62	3.06117
309088.97	3917170.62	3.11812	309098.97	3917170.62	3.17702
309108.97	3917170.62	3.23773	309118.97	3917170.62	3.30030
309128.97	3917170.62	3.36516	308838.97	3917180.62	2.09813
308848.97	3917180.62	2.12893	308858.97	3917180.62	2.16045
308868.97	3917180.62	2.19273	308878.97	3917180.62	2.22586
308888.97	3917180.62	2.25983	308898.97	3917180.62	2.29462
308908.97	3917180.62	2.33019	308918.97	3917180.62	2.36658
308928.97	3917180.62	2.40394	308938.97	3917180.62	2.44217
308948.97	3917180.62	2.48148	308958.97	3917180.62	2.52177
308968.97	3917180.62	2.56315	308978.97	3917180.62	2.60568
308988.97	3917180.62	2.64918	308998.97	3917180.62	2.69380
309008.97	3917180.62	2.73974	309018.97	3917180.62	2.78694
309028.97	3917180.62	2.83540	309038.97	3917180.62	2.88518
309048.97	3917180.62	2.93653	309058.97	3917180.62	2.98979
309068.97	3917180.62	3.04476	309078.97	3917180.62	3.10144
309088.97	3917180.62	3.16007	309098.97	3917180.62	3.22053
309108.97	3917180.62	3.28277	309118.97	3917180.62	3.34732
309128.97	3917180.62	3.41420	308758.97	3917300.62	2.02617

308768.97	3917300.62	2.05567	308778.97	3917300.62	2.08615
308788.97	3917300.62	2.11735	308798.97	3917300.62	2.14926
308758.97	3917310.62	2.03717	308768.97	3917310.62	2.06672
308778.97	3917310.62	2.09719	308788.97	3917310.62	2.12837

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALLAREA ***
INCLUDING SOURCE(S): ONSITE , ONSITE2 , ONSITE3 , ONSITE4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
308798.97	3917310.62	2.16029	308758.97	3917320.62	2.04716
308768.97	3917320.62	2.07700	308778.97	3917320.62	2.10768
308788.97	3917320.62	2.13905	308798.97	3917320.62	2.17120
308758.97	3917330.62	2.05594	308768.97	3917330.62	2.08588
308778.97	3917330.62	2.11661	308788.97	3917330.62	2.14805
308798.97	3917330.62	2.18015	308758.97	3917340.62	2.06641
308768.97	3917340.62	2.09651	308778.97	3917340.62	2.12734
308788.97	3917340.62	2.15901	308798.97	3917340.62	2.19151
308758.97	3917350.62	2.07470	308768.97	3917350.62	2.10509
308778.97	3917350.62	2.13607	308788.97	3917350.62	2.16791
308798.97	3917350.62	2.20053	308758.97	3917360.62	2.08409
308768.97	3917360.62	2.11458	308778.97	3917360.62	2.14584
308788.97	3917360.62	2.17782	308798.97	3917360.62	2.21059
308758.97	3917370.62	2.09264	308768.97	3917370.62	2.12332
308778.97	3917370.62	2.15471	308788.97	3917370.62	2.18692
308798.97	3917370.62	2.22004	308808.97	3917370.62	2.25409
308818.97	3917370.62	2.28904	308828.97	3917370.62	2.32485
308838.97	3917370.62	2.36153	308848.97	3917370.62	2.39886
308858.97	3917370.62	2.43705	308868.97	3917370.62	2.47637
308888.97	3917370.62	2.55865	308898.97	3917370.62	2.60164
308908.97	3917370.62	2.64590	308918.97	3917370.62	2.69135
308928.97	3917370.62	2.73776	308938.97	3917370.62	2.78540
308948.97	3917370.62	2.83444	308758.97	3917380.62	2.10132
308768.97	3917380.62	2.13241	308778.97	3917380.62	2.16411
308788.97	3917380.62	2.19641	308798.97	3917380.62	2.22931
308808.97	3917380.62	2.26305	308818.97	3917380.62	2.29776
308828.97	3917380.62	2.33347	308838.97	3917380.62	2.37069
308848.97	3917380.62	2.40909	308858.97	3917380.62	2.44845
308868.97	3917380.62	2.48836	308888.97	3917380.62	2.57090
308898.97	3917380.62	2.61354	308908.97	3917380.62	2.65771
308918.97	3917380.62	2.70325	308928.97	3917380.62	2.75050
308938.97	3917380.62	2.79891	308948.97	3917380.62	2.84871
308758.97	3917390.62	2.10952	308768.97	3917390.62	2.14032
308778.97	3917390.62	2.17213	308788.97	3917390.62	2.20482
308798.97	3917390.62	2.23843	308808.97	3917390.62	2.27282
308818.97	3917390.62	2.30785	308828.97	3917390.62	2.34366

308838.97	3917390.62	2.38062	308848.97	3917390.62	2.41861
308858.97	3917390.62	2.45774	308868.97	3917390.62	2.49785
308938.97	3917390.62	2.81073	308948.97	3917390.62	2.86099
308758.97	3917400.62	2.11859	308768.97	3917400.62	2.14966

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALLAREA ***
INCLUDING SOURCE(S): ONSITE , ONSITE2 , ONSITE3 , ONSITE4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
308778.97	3917400.62	2.18138	308788.97	3917400.62	2.21387
308798.97	3917400.62	2.24723	308808.97	3917400.62	2.28147
308818.97	3917400.62	2.31682	308838.97	3917400.62	2.39076
308848.97	3917400.62	2.42917	308858.97	3917400.62	2.46834
308868.97	3917400.62	2.50842	308888.97	3917400.62	2.59227
308898.97	3917400.62	2.63608	308908.97	3917400.62	2.68136
308918.97	3917400.62	2.72775	308938.97	3917400.62	2.82368
308948.97	3917400.62	2.87359	308758.97	3917410.62	2.12577
308768.97	3917410.62	2.15724	308778.97	3917410.62	2.18953
308788.97	3917410.62	2.22267	308798.97	3917410.62	2.25653
308808.97	3917410.62	2.29110	308818.97	3917410.62	2.32627
308838.97	3917410.62	2.39959	308848.97	3917410.62	2.43795
308858.97	3917410.62	2.47763	308868.97	3917410.62	2.51861
308888.97	3917410.62	2.60327	308898.97	3917410.62	2.64676
308908.97	3917410.62	2.69178	308918.97	3917410.62	2.73844
308938.97	3917410.62	2.83690	308948.97	3917410.62	2.88819
308758.97	3917420.62	2.13470	308768.97	3917420.62	2.16584
308778.97	3917420.62	2.19781	308788.97	3917420.62	2.23056
308798.97	3917420.62	2.26429	308808.97	3917420.62	2.29921
308818.97	3917420.62	2.33513	308838.97	3917420.62	2.40949
308848.97	3917420.62	2.44790	308858.97	3917420.62	2.48720
308868.97	3917420.62	2.52818	308888.97	3917420.62	2.61429
308898.97	3917420.62	2.65892	308908.97	3917420.62	2.70428
308918.97	3917420.62	2.75058	308938.97	3917420.62	2.84781
308948.97	3917420.62	2.89942	308758.97	3917430.62	2.14192
308768.97	3917430.62	2.17396	308778.97	3917430.62	2.20656
308788.97	3917430.62	2.23978	308798.97	3917430.62	2.27369
308808.97	3917430.62	2.30830	308818.97	3917430.62	2.34391
308838.97	3917430.62	2.41833	308848.97	3917430.62	2.45728
308858.97	3917430.62	2.49715	308868.97	3917430.62	2.53820
308888.97	3917430.62	2.62372	308898.97	3917430.62	2.66859
308908.97	3917430.62	2.71526	308918.97	3917430.62	2.76315
308938.97	3917430.62	2.86154	308948.97	3917430.62	2.91249
308758.97	3917440.62	2.14951	308768.97	3917440.62	2.18122
308778.97	3917440.62	2.21358	308788.97	3917440.62	2.24713
308798.97	3917440.62	2.28170	308808.97	3917440.62	2.31711

308818.97	3917440.62	2.35323	308838.97	3917440.62	2.42809
308848.97	3917440.62	2.46675	308858.97	3917440.62	2.50665
308868.97	3917440.62	2.54807	308888.97	3917440.62	2.63387
308898.97	3917440.62	2.67858	308908.97	3917440.62	2.72471

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALLAREA ***
INCLUDING SOURCE(S): ONSITE , ONSITE2 , ONSITE3 , ONSITE4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
308918.97	3917440.62	2.77264	308938.97	3917440.62	2.87370
308948.97	3917440.62	2.92658	308758.97	3917450.62	2.15772
308768.97	3917450.62	2.18965	308778.97	3917450.62	2.22247
308788.97	3917450.62	2.25576	308798.97	3917450.62	2.28970
308808.97	3917450.62	2.32457	308818.97	3917450.62	2.36079
308838.97	3917450.62	2.43652	308848.97	3917450.62	2.47595
308858.97	3917450.62	2.51613	308868.97	3917450.62	2.55736
308888.97	3917450.62	2.64390	308898.97	3917450.62	2.68994
308908.97	3917450.62	2.73706	308918.97	3917450.62	2.78513
308938.97	3917450.62	2.88466	308948.97	3917450.62	2.93757
308758.97	3917460.62	2.16416	308768.97	3917460.62	2.19617
308778.97	3917460.62	2.22935	308788.97	3917460.62	2.26338
308798.97	3917460.62	2.29819	308808.97	3917460.62	2.33378
308818.97	3917460.62	2.36996	308838.97	3917460.62	2.44494
308848.97	3917460.62	2.48418	308858.97	3917460.62	2.52486
308868.97	3917460.62	2.56659	308888.97	3917460.62	2.65349
308898.97	3917460.62	2.69940	308908.97	3917460.62	2.74710
308918.97	3917460.62	2.79637	308938.97	3917460.62	2.89780
308948.97	3917460.62	2.95049	308758.97	3917470.62	2.17191
308768.97	3917470.62	2.20402	308778.97	3917470.62	2.23669
308788.97	3917470.62	2.27020	308798.97	3917470.62	2.30465
308808.97	3917470.62	2.34023	308818.97	3917470.62	2.37715
308838.97	3917470.62	2.45400	308848.97	3917470.62	2.49373
308858.97	3917470.62	2.53420	308868.97	3917470.62	2.57605
308888.97	3917470.62	2.66353	308898.97	3917470.62	2.70956
308908.97	3917470.62	2.75694	308918.97	3917470.62	2.80611
308938.97	3917470.62	2.90898	308948.97	3917470.62	2.96323
308758.97	3917480.62	2.17805	308768.97	3917480.62	2.21063
308778.97	3917480.62	2.24405	308788.97	3917480.62	2.27842
308798.97	3917480.62	2.31352	308808.97	3917480.62	2.34928
308818.97	3917480.62	2.38557	308838.97	3917480.62	2.46172
308848.97	3917480.62	2.50165	308858.97	3917480.62	2.54273
308868.97	3917480.62	2.58481	308938.97	3917480.62	2.91950
308948.97	3917480.62	2.97398	308758.97	3917490.62	2.18568
308768.97	3917490.62	2.21801	308778.97	3917490.62	2.25101
308788.97	3917490.62	2.28494	308798.97	3917490.62	2.32006

308808.97	3917490.62	2.35617	308818.97	3917490.62	2.39325
308838.97	3917490.62	2.47027	308848.97	3917490.62	2.51010
308858.97	3917490.62	2.55126	308868.97	3917490.62	2.59358
308878.97	3917490.62	2.63715	308888.97	3917490.62	2.68200

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALLAREA ***
INCLUDING SOURCE(S): ONSITE , ONSITE2 , ONSITE3 , ONSITE4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
308898.97	3917490.62	2.72853	308908.97	3917490.62	2.77686
308918.97	3917490.62	2.82706	308938.97	3917490.62	2.93117
308948.97	3917490.62	2.98554	308758.97	3917500.62	2.19171
308768.97	3917500.62	2.22448	308778.97	3917500.62	2.25826
308788.97	3917500.62	2.29266	308798.97	3917500.62	2.32770
308808.97	3917500.62	2.36346	308818.97	3917500.62	2.40034
308838.97	3917500.62	2.47768	308848.97	3917500.62	2.51807
308858.97	3917500.62	2.55940	308868.97	3917500.62	2.60207
308878.97	3917500.62	2.64610	308888.97	3917500.62	2.69143
308898.97	3917500.62	2.73810	308908.97	3917500.62	2.78617
308918.97	3917500.62	2.83583	308938.97	3917500.62	2.94108
308948.97	3917500.62	2.99665	308758.97	3917510.62	2.19814
308768.97	3917510.62	2.23058	308778.97	3917510.62	2.26381
308788.97	3917510.62	2.29821	308798.97	3917510.62	2.33370
308808.97	3917510.62	2.37024	308818.97	3917510.62	2.40764
308838.97	3917510.62	2.48486	308848.97	3917510.62	2.52533
308858.97	3917510.62	2.56703	308868.97	3917510.62	2.60995
308878.97	3917510.62	2.65398	308888.97	3917510.62	2.69949
308898.97	3917510.62	2.74681	308908.97	3917510.62	2.79538
308918.97	3917510.62	2.84543	308938.97	3917510.62	2.95028
308948.97	3917510.62	3.00605	308758.97	3917520.62	2.20367
308768.97	3917520.62	2.23669	308778.97	3917520.62	2.27045
308788.97	3917520.62	2.30487	308798.97	3917520.62	2.34003
308808.97	3917520.62	2.37629	308818.97	3917520.62	2.41374
308838.97	3917520.62	2.49204	308848.97	3917520.62	2.53271
308858.97	3917520.62	2.57434	308868.97	3917520.62	2.61737
308878.97	3917520.62	2.66165	308888.97	3917520.62	2.70735
308898.97	3917520.62	2.75426	308908.97	3917520.62	2.80285
308918.97	3917520.62	2.85349	308938.97	3917520.62	2.95992
308948.97	3917520.62	3.01545	308758.97	3917530.62	2.20885
308768.97	3917530.62	2.24155	308778.97	3917530.62	2.27544
308788.97	3917530.62	2.31037	308798.97	3917530.62	2.34628
308808.97	3917530.62	2.38295	308818.97	3917530.62	2.42014
308838.97	3917530.62	2.49776	308848.97	3917530.62	2.53857
308858.97	3917530.62	2.58063	308868.97	3917530.62	2.62374
308878.97	3917530.62	2.66828	308888.97	3917530.62	2.71429

308898.97	3917530.62	2.76167	308908.97	3917530.62	2.81048
308918.97	3917530.62	2.86084	308938.97	3917530.62	2.96757
308948.97	3917530.62	3.02415	308808.97	3917540.62	2.38708
308818.97	3917540.62	2.42503	308838.97	3917540.62	2.50360

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALLAREA ***
INCLUDING SOURCE(S): ONSITE , ONSITE2 , ONSITE3 , ONSITE4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
308848.97	3917540.62	2.54420	308858.97	3917540.62	2.58604
308868.97	3917540.62	2.62927	308878.97	3917540.62	2.67407
308888.97	3917540.62	2.71995	308898.97	3917540.62	2.76738
308908.97	3917540.62	2.81675	308918.97	3917540.62	2.86744
308938.97	3917540.62	2.97418	308948.97	3917540.62	3.03071
308808.97	3917550.62	2.39220	308818.97	3917550.62	2.42912
308838.97	3917550.62	2.50735	308848.97	3917550.62	2.54873
308858.97	3917550.62	2.59100	308868.97	3917550.62	2.63426
308878.97	3917550.62	2.67870	308888.97	3917550.62	2.72459
308898.97	3917550.62	2.77233	308908.97	3917550.62	2.82151
308918.97	3917550.62	2.87246	308938.97	3917550.62	2.98012
308948.97	3917550.62	3.03672	308808.97	3917560.62	2.39584
308818.97	3917560.62	2.43389	308838.97	3917560.62	2.51159
308848.97	3917560.62	2.55189	308858.97	3917560.62	2.59388
308868.97	3917560.62	2.63760	308878.97	3917560.62	2.68265
308938.97	3917560.62	2.98392	308948.97	3917560.62	3.04099
308808.97	3917570.62	2.39876	308818.97	3917570.62	2.43565
308838.97	3917570.62	2.51449	308848.97	3917570.62	2.55590
308858.97	3917570.62	2.59793	308868.97	3917570.62	2.64084
308878.97	3917570.62	2.68509	308938.97	3917570.62	2.98694
308948.97	3917570.62	3.04343	308868.97	3917580.62	2.64320
308878.97	3917580.62	2.68810	308880.66	3917999.48	1.96615
308899.60	3917993.17	2.01247	308916.74	3917994.97	2.03382
308930.26	3918002.19	2.03212	308942.89	3918005.79	2.03988
308962.73	3918009.40	2.05682	308978.07	3918012.11	2.07006
309000.61	3918017.52	2.08267	309058.33	3918014.81	2.16735
309088.10	3918016.62	2.19577	309139.50	3918013.91	2.26416
309199.93	3917986.85	2.46394	309254.04	3917983.25	2.53906
309291.92	3917983.25	2.56992	309336.12	3917988.66	2.55635
309363.17	3917989.56	2.55316	309426.81	3917993.10	2.49688
309454.30	3917999.38	2.41362	309511.26	3918008.32	2.23206
309539.51	3918027.62	2.02210	309131.94	3917360.12	4.07248
309109.35	3917304.34	3.71863	309205.37	3917534.60	7.14270
309128.13	3917544.38	4.78748	309126.28	3917515.40	4.75767
309126.90	3917484.57	4.73163	309109.63	3917481.49	4.38522
309109.63	3917515.40	4.46875	309109.63	3917544.38	4.48805

309057.22	3917531.43	3.83205	309056.60	3917490.74	3.75556
309055.37	3917467.92	3.69135	309058.45	3917445.72	3.66061
309018.37	3917425.37	3.31574	309016.52	3917440.17	3.33008
309017.75	3917461.75	3.37896	309015.90	3917479.02	3.39529

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALLAREA ***
INCLUDING SOURCE(S): ONSITE , ONSITE2 , ONSITE3 , ONSITE4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
309015.29	3917527.73	3.45911	309014.05	3917551.78	3.46997
309056.59	3917294.28	3.31593	309044.36	3917294.28	3.23846
309012.17	3917196.11	2.80294	308992.22	3917193.21	2.70087
308786.69	3917561.72	2.31526	308879.07	3917651.09	2.67054
309014.69	3917652.32	3.41068	309095.56	3917655.22	4.07731
309196.25	3917644.08	5.48640	309269.32	3917636.06	6.78734
309269.32	3917651.66	6.33799	309274.22	3917668.14	6.00139
309351.75	3917632.05	7.95928	309351.75	3917652.10	7.22384
309395.86	3917637.40	8.25841	309394.97	3917651.66	7.71108
309576.30	3917651.21	13.89403	309661.85	3917626.71	33.41968
309739.32	3917632.76	19.64583	309775.71	3917630.91	14.68921
309827.51	3917626.59	10.62111	309880.55	3917636.46	7.00405
309925.57	3917718.48	3.23759	309924.33	3917740.07	2.89196
309889.80	3917811.61	2.28152	309900.90	3917844.29	1.92213
309846.63	3917860.94	2.09061	309831.83	3917825.79	2.54925
309807.77	3917847.38	2.47435	309928.20	3917921.64	1.36013
309774.55	3917848.23	2.69772	309786.51	3917884.94	2.21893
309754.92	3917890.91	2.33639	309742.12	3917853.35	2.85763
309709.68	3917861.04	2.96617	309710.54	3917938.71	2.11075
309657.61	3917939.57	2.32697	309599.57	3917937.00	2.59905
309703.71	3917900.30	2.50934	309655.05	3917900.30	2.76204
309601.28	3917903.71	2.98701	309592.74	3917863.60	3.64918
309667.86	3917861.04	3.23994	309366.54	3917791.89	4.57490
309364.83	3917812.38	4.29360	309363.98	3917840.55	3.94592
309307.64	3917853.35	3.63820	309301.67	3917820.92	3.95144
309311.91	3917795.31	4.28302	309235.94	3917791.89	3.99217
309239.36	3917822.62	3.71211	309239.36	3917858.47	3.39963
309205.21	3917802.14	3.76640	309104.49	3917811.53	3.28061
309104.49	3917846.52	3.07320	309075.47	3917846.52	2.97609
309078.03	3917812.38	3.16657	309059.04	3917808.04	3.11014
309059.04	3917822.71	3.03810	309042.26	3917825.86	2.95950
309041.74	3917847.88	2.85755	309041.74	3917865.70	2.77660
309021.30	3917811.18	2.94288	309021.82	3917840.01	2.82473
309021.30	3917867.80	2.70705	309020.25	3917885.62	2.62912
308987.74	3917886.67	2.53777	308984.60	3917865.18	2.60800
308988.27	3917843.68	2.69846	308984.60	3917813.80	2.79190

308946.86	3917813.28	2.65774	308948.95	3917844.21	2.57160
308952.62	3917868.32	2.50531	308946.33	3917888.77	2.42258
308911.21	3917891.39	2.32737	308911.21	3917863.08	2.40634
308911.21	3917843.16	2.45987	308907.01	3917814.85	2.51976

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALLAREA ***
INCLUDING SOURCE(S): ONSITE , ONSITE2 , ONSITE3 , ONSITE4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
308825.76	3917655.49	2.45327	308831.00	3917707.91	2.43419
310062.70	3917617.91	3.14187	310057.97	3917649.81	2.76412
310065.54	3917531.61	4.81045	310076.02	3917532.66	4.50626
310091.22	3917531.09	4.18698	310134.21	3917531.09	3.41240
310150.46	3917529.51	3.21281	310173.53	3917530.04	2.93335
310123.73	3917492.29	4.33193	310156.75	3917498.06	3.63068
310174.05	3917499.63	3.36457	310237.49	3917521.12	2.45938
310251.12	3917488.10	2.68260	310300.92	3917510.64	2.10416
310211.68	3917430.80	3.98603	310241.90	3917417.85	3.69817
310269.65	3917401.20	3.50202	310256.70	3917372.82	4.15582
310229.56	3917386.39	4.46773	310194.41	3917397.50	5.05411
310180.22	3917367.89	6.30428	310217.23	3917356.17	5.44418
310250.53	3917337.67	4.98281	310237.58	3917307.45	6.16874
310204.89	3917317.93	7.05762	310165.42	3917336.44	8.13305
310157.40	3917311.15	9.97510	310214.14	3917281.54	8.12153
310153.55	3917200.69	22.35515	310102.75	3917212.51	40.52737
310085.02	3917249.14	35.66922	309698.03	3917026.59	9.61771
309662.85	3917024.31	8.04992	309636.35	3917025.68	7.44005
309564.62	3917163.20	11.42295	309385.36	3917044.63	4.44172
309401.55	3917154.82	6.32141	309389.38	3917154.82	6.09724
309377.70	3917155.78	5.90282	309365.77	3917155.78	5.70589
309540.50	3917300.46	14.82561	309540.17	3917307.06	15.00604
309540.50	3917317.29	15.34189	309540.83	3917327.20	15.69889
309548.42	3917229.81	13.19522	309496.59	3917195.15	9.67899

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)					OF TYPE	NETWORK GRID-ID
HAUL	1ST HIGHEST VALUE IS	3.50691	AT (310065.54,	3917531.61,	118.83,	118.83,	0.00)	DC	
	2ND HIGHEST VALUE IS	3.44806	AT (310076.02,	3917532.66,	118.84,	118.84,	0.00)	DC	
	3RD HIGHEST VALUE IS	3.24401	AT (310091.22,	3917531.09,	118.83,	118.83,	0.00)	DC	
	4TH HIGHEST VALUE IS	3.01726	AT (310134.21,	3917531.09,	118.83,	118.83,	0.00)	DC	
	5TH HIGHEST VALUE IS	2.91725	AT (310062.70,	3917617.91,	118.57,	118.57,	0.00)	DC	
	6TH HIGHEST VALUE IS	2.88558	AT (310150.46,	3917529.51,	118.81,	118.81,	0.00)	DC	
	7TH HIGHEST VALUE IS	2.84686	AT (310173.53,	3917530.04,	118.81,	118.81,	0.00)	DC	
	8TH HIGHEST VALUE IS	2.40671	AT (308878.97,	3917570.62,	116.13,	116.13,	0.00)	DC	
	9TH HIGHEST VALUE IS	2.34987	AT (310237.49,	3917521.12,	118.87,	118.87,	0.00)	DC	
	10TH HIGHEST VALUE IS	2.34608	AT (308868.97,	3917570.62,	116.13,	116.13,	0.00)	DC	
PHASE1	1ST HIGHEST VALUE IS	38.66352	AT (310102.75,	3917212.51,	118.22,	118.22,	0.00)	DC	
	2ND HIGHEST VALUE IS	33.97646	AT (310085.02,	3917249.14,	117.96,	117.96,	0.00)	DC	
	3RD HIGHEST VALUE IS	32.96800	AT (309661.85,	3917626.71,	117.05,	117.05,	0.00)	DC	
	4TH HIGHEST VALUE IS	21.03744	AT (310153.55,	3917200.69,	118.30,	118.30,	0.00)	DC	
	5TH HIGHEST VALUE IS	19.25547	AT (309739.32,	3917632.76,	117.35,	117.35,	0.00)	DC	
	6TH HIGHEST VALUE IS	14.32127	AT (309775.71,	3917630.91,	117.51,	117.51,	0.00)	DC	
	7TH HIGHEST VALUE IS	14.27892	AT (309540.83,	3917327.20,	116.73,	116.73,	0.00)	DC	
	8TH HIGHEST VALUE IS	13.89734	AT (309540.50,	3917317.29,	116.74,	116.74,	0.00)	DC	
	9TH HIGHEST VALUE IS	13.54089	AT (309540.17,	3917307.06,	116.74,	116.74,	0.00)	DC	
	10TH HIGHEST VALUE IS	13.46372	AT (309576.30,	3917651.21,	117.04,	117.04,	0.00)	DC	
PHASE2	1ST HIGHEST VALUE IS	1.86385	AT (310102.75,	3917212.51,	118.22,	118.22,	0.00)	DC	
	2ND HIGHEST VALUE IS	1.69276	AT (310085.02,	3917249.14,	117.96,	117.96,	0.00)	DC	
	3RD HIGHEST VALUE IS	1.61071	AT (309698.03,	3917026.59,	117.04,	117.04,	0.00)	DC	
	4TH HIGHEST VALUE IS	1.54570	AT (309548.42,	3917229.81,	116.81,	116.81,	0.00)	DC	
	5TH HIGHEST VALUE IS	1.48177	AT (309540.50,	3917300.46,	116.74,	116.74,	0.00)	DC	
	6TH HIGHEST VALUE IS	1.46515	AT (309540.17,	3917307.06,	116.74,	116.74,	0.00)	DC	
	7TH HIGHEST VALUE IS	1.44456	AT (309540.50,	3917317.29,	116.74,	116.74,	0.00)	DC	
	8TH HIGHEST VALUE IS	1.41997	AT (309540.83,	3917327.20,	116.73,	116.73,	0.00)	DC	
	9TH HIGHEST VALUE IS	1.31771	AT (310153.55,	3917200.69,	118.30,	118.30,	0.00)	DC	
	10TH HIGHEST VALUE IS	1.30391	AT (309564.62,	3917163.20,	117.17,	117.17,	0.00)	DC	
ALLAREA	1ST HIGHEST VALUE IS	40.52737	AT (310102.75,	3917212.51,	118.22,	118.22,	0.00)	DC	
	2ND HIGHEST VALUE IS	35.66922	AT (310085.02,	3917249.14,	117.96,	117.96,	0.00)	DC	
	3RD HIGHEST VALUE IS	33.41968	AT (309661.85,	3917626.71,	117.05,	117.05,	0.00)	DC	

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         4TH HIGHEST VALUE IS      22.35515 AT (  310153.55,  3917200.69,   118.30,   118.30,    0.00)  DC
         5TH HIGHEST VALUE IS      19.64583 AT (  309739.32,  3917632.76,   117.35,   117.35,    0.00)  DC
         6TH HIGHEST VALUE IS      15.69889 AT (  309540.83,  3917327.20,   116.73,   116.73,    0.00)  DC
         7TH HIGHEST VALUE IS      15.34189 AT (  309540.50,  3917317.29,   116.74,   116.74,    0.00)  DC
         8TH HIGHEST VALUE IS      15.00604 AT (  309540.17,  3917307.06,   116.74,   116.74,    0.00)  DC
         9TH HIGHEST VALUE IS      14.82561 AT (  309540.50,  3917300.46,   116.74,   116.74,    0.00)  DC
        10TH HIGHEST VALUE IS      14.68921 AT (  309775.71,  3917630.91,   117.51,   117.51,    0.00)  DC

*** RECEPTOR TYPES:  GC = GRIDCART
                     GP = GRIDPOLR
                     DC = DISCCART
                     DP = DISCPOLR
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*** AERMOD - VERSION 24142  ***   *** Health Risk Assessment                                   ***        02/08/26
*** AERMET - VERSION  21112 ***   *** Rosedale and Coffee Project                              ***        23:16:05
                                                                                                        PAGE 154
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of            0 Fatal Error Message(s)
A Total of            2 Warning Message(s)
A Total of         2739 Informational Message(s)

A Total of        43824 Hours Were Processed

A Total of         1829 Calm Hours Identified

A Total of          910 Missing Hours Identified (  2.08 Percent)


   ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


   ********   WARNING MESSAGES   ********
ME W186    1396       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
ME W187    1396       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

   ***********************************
   *** AERMOD Finishes Successfully ***
   ***********************************
```

Appendix D3. AAQA Emissions Calculations

Regional Operational Emissions Worksheet: Full Buildout Year 2027

Regional Emission (Tons/Yr)

Full Buildout (Buildout Year 2027)

Annual Operational Days: 365

Max Annual (lbs/yr)	**ROG**	**NOx**	**CO**	**SO2**	**PM10 Total**	**PM2.5 Total**
Mobile	2.51E+04	2.00E+04	1.37E+05	3.15E+02	2.66E+04	6.95E+03
Area	3.97E+03	2.67E+01	3.17E+03	1.89E-01	5.64E+00	4.26E+00
Energy	3.32E+01	6.03E+02	5.06E+02	3.62E+00	4.58E+01	4.58E+01
Total (lbs)	2.91E+04	2.06E+04	1.41E+05	3.19E+02	2.66E+04	7.00E+03
Max Daily (lbs/day)						
Mobile	6.88E+01	5.47E+01	3.75E+02	8.64E-01	7.29E+01	1.90E+01
Area	1.09E+01	7.32E-02	8.70E+00	5.19E-04	1.54E-02	1.17E-02
Energy	9.09E-02	1.65E+00	1.39E+00	9.91E-03	1.26E-01	1.26E-01
Total (lbs)	79.81	56.41	384.97	0.87	73.01	19.18

Avg VMT/Trip	Onsite + Offsite w/in 0.25-mi	0.55	mi/trip	measured in AERMOD, see next tab
	Total Project Annual VMT	37,462,505	mi/yr	
	Total Annual Trip Generation	9,518,211.2	trips/yr	
				ratio to total project VMT
	Avg Annual VMT w/in 0.25-mi	5,196,711	mi/yr	0.14

AAQA Emission Rates - Emissions w/in 0.25-mi + On-site	**NOx**	**CO**	**SO2**	**PM10 Total**	**PM2.5 Total**
Mobile Sources (lbs/day)	7.59E+00	5.20E+01	1.20E-01	1.01E+01	2.64E+00
Mobile Sources (g/s)	**3.98E-02**	**2.73E-01**	**6.29E-04**	**5.31E-02**	**1.39E-02**
Area Sources (g/s)	**3.84E-04**	**4.57E-02**	**2.72E-06**	**8.11E-05**	**6.13E-05**
Energy Sources (g/s)	**8.67E-03**	**7.29E-03**	**5.20E-05**	**6.59E-04**	**6.59E-04**

AERMOD - Source Emission Rate Adjustments for Normalized (1 g/s) Emission Rates

Volume Sources for Energy Emissions
Scaled Rates based on VolSource length of side

	m	ratio
Major A	44.3	0.068
Major B	42.82	0.065
Major C	30.54	0.047
Major D	30.54	0.047
Major E	35.52	0.054
Major F	29.54	0.045
Major G	33.52	0.051
Major H	30.54	0.047
Major I	34.85	0.053
Major J	32.53	0.050
Shops 1	18.3	0.028
Shops 2	25.88	0.040
Pad 1	19.78	0.030
Pad 2	14.13	0.022
Pad 3	8.3	0.013
Pad 4	14.6	0.022
Pad 5	14.4	0.022
Pad 6	14.6	0.022
Pad 7	14.4	0.022
Pad 8	14.4	0.022
Pad 9	19.1	0.029
Pad 10	17.44	0.027
Pad 11	16.72	0.026
Pad 12	13.64	0.021
Pad 13	23.9	0.037
Pad 14	14.3	0.022
Storage Bldg - V1	35.44	0.054
Controller Off - V2	5.64	0.009
Controller Storage - V3	4.32	0.007
Total	653.99	1.0

Adjacent Volume Sources for Mobile Source Travel Emissions
Scaled Rates based on length of line source

	m	ratio
Rosedale	1586.4	0.262
Coffee	1291.4	0.214
Clay Patrick Fair Way	355.6	0.059
El Toro Viejo Rd	536.7	0.089
Ribston Ave	215.8	0.036
Wolf River Ave	100.7	0.017
Onsite Travel Length	1961.8	0.324
Total	6048.4	1.00

Avg On-site Travel Length per one-way trip	980.9 (1/2 total onsite travel length)	m/trip
Average Trip Length Off-site w/in 0.25-mile and Onsite	878.7	m/trip

Ambient Air Quality Analysis
Project Operation - Full Buildout 2027

Criteria Air Pollutants						
Pollutant	Source	Emission Rates [1]	AERMOD Output [2]	Mass GLC	AERMOD Output [2]	Mass GLC
		(g/s)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)
(a)	(b)	(c)	(d)	(e)	(f)	(g)
NOx			Max 1-hour		Annual Average	
to	Mobile Sources	3.98E-02	131.8	3.15E-01	30.99	7.40E-02
NO_2	Area	3.84E-04	364.4	2.80E-02	59.00	4.53E-03
	Energy	8.67E-03	404.8	3.51E-01	64.48	5.59E-02
NO_2			All Sources ($\mu g/m^3$) [3]	0.69		**0.13**
			Background Level ($\mu g/m^3$)	96.3		62.8
			Total ($\mu g/m^3$)	**97.0**		**63.0**
			NAAQS/CAAQS Threshold ($\mu g/m^3$)	188		57
			Exceeds Threshold?	**No**		**Yes**
			Air District SIL ($\mu g/m3$)	n/a		1.0
			Exceeds SIL?			**No**
CO			Max 1-hour		Max 8-hour	
	Mobile Sources	2.73E-01	131.8	3.60E+01	94.8	2.59E+01
	Area	4.57E-02	364.4	1.66E+01	208.2	9.51E+00
	Energy	7.29E-03	404.8	2.95E+00	277.3	2.02E+00
			All Sources ($\mu g/m^3$)	55.6		37.4
			Background Level ($\mu g/m^3$)	1,664		916
			Total ($\mu g/m^3$)	**1,719**		**953**
			NAAQS/CAAQS Threshold ($\mu g/m^3$)	23,000		10,000
			Exceeds Threshold?	**No**		**No**
SO_2			Max 1-hour		Max 3-hour	
	Mobile Sources	6.29E-04	131.8	8.29E-02	105.9	6.66E-02
	Area	2.72E-06	364.4	9.93E-04	290.2	7.90E-04
	Energy	5.20E-05	404.8	2.11E-02	363.3	1.89E-02
			All Sources ($\mu g/m^3$)	0.10		0.09
			Background Level ($\mu g/m^3$)	77.3		50.0
			Total ($\mu g/m^3$)	**77.4**		**50.1**
			NAAQS/CAAQS Threshold ($\mu g/m^3$)	196		1,300
			Exceeds Threshold?	**No**		**No**
SO_2			Max 24-hour		Annual Average	
	Mobile Sources	6.29E-04	67.6	4.25E-02	59.00	3.71E-02
	Area	2.72E-06	155.2	4.23E-04	59.00	1.61E-04
	Energy	5.20E-05	191.9	9.99E-03	64.48	3.36E-03
			All Sources ($\mu g/m^3$)	0.05		0.04
			Background Level ($\mu g/m^3$)	11.3		7.07
			Total ($\mu g/m^3$)	**11.3**		7.11
			NAAQS/CAAQS Threshold ($\mu g/m^3$)	105		n/a
			Exceeds Threshold?	**No**		n/a
PM_{10}			Max 24-hour		Annual Average	
	Mobile Sources	5.31E-02	67.6	3.59E+00	30.99	1.64
	Area	8.11E-05	155.2	1.26E-02	59.00	4.79E-03
	Energy	6.59E-04	191.9	1.27E-01	64.48	4.25E-02
			All Sources ($\mu g/m^3$)	**3.73**		**1.69**
			Background Level ($\mu g/m^3$)	93.0		49.6
			Total ($\mu g/m^3$)	**96.7**		**51.3**
			NAAQS/CAAQS Threshold ($\mu g/m^3$)	50		20
			Exceeds Threshold?	**Yes**		**Yes**
			Air District SIL ($\mu g/m3$)	**10.40**		**2.08**
			Exceeds SIL?	**No**		**No**
$PM_{2.5}$			Max 24-hour		Annual Average	
	Mobile Sources	1.39E-02	67.6	9.38E-01	30.99	0.43
	Area	6.13E-05	155.2	9.52E-03	59.00	3.62E-03
	Energy	6.59E-04	191.9	1.27E-01	64.48	4.25E-02
			All Sources ($\mu g/m^3$)	**1.07**		**0.48**
			Background Level ($\mu g/m^3$)	37.2		12.90
			Total ($\mu g/m^3$)	**38.3**		**13.38**
			NAAQS/CAAQS Threshold ($\mu g/m^3$)	35		12
			Exceeds Threshold?	**Yes**		**Yes**
			Air District SIL ($\mu g/m3$)	**2.50**		**0.63**
			Exceeds SIL?	**No**		**No**

[1] Emission Rates from AAQA Emissions Worksheet (Appendix D4).

[2] AERMOD Output based on unit emission rates (1 g/s) (Appendix D5).

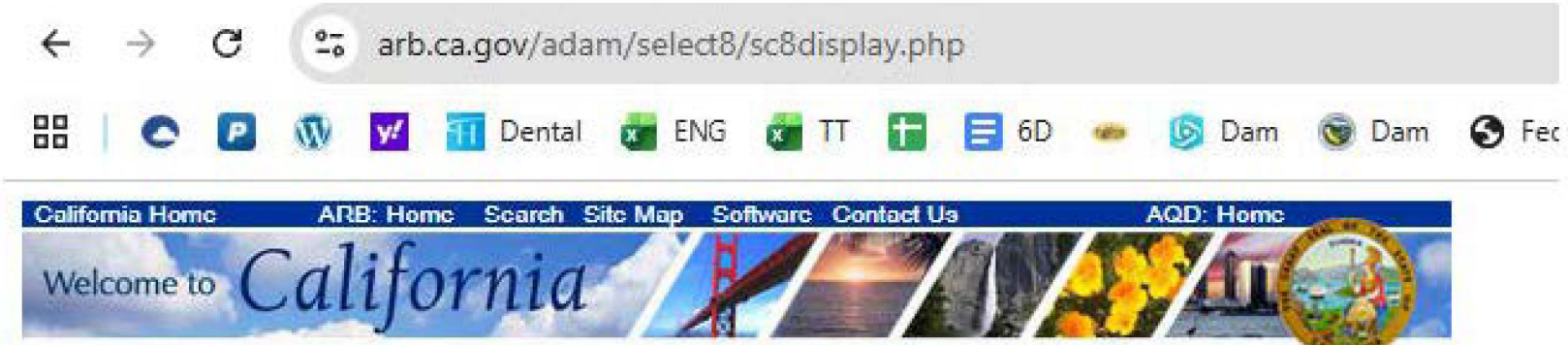
[3] NOx to NO_2 conversion rate was from *Assessment of Non-Regulatory Options in AERMOD specifically for OLM and PVMRM* (SJVAPCD, 2010)

Parameter Name	Pollutant Standard	Metric Used	Method Name	Year	Units of Measure	1st Max Valu	1st Max DateTime	99th Percentil	Local Site Name
Nitrogen dioxide (NO2)	NO2 1-hour 2010	Daily Maximum	INSTRUMENTAL	2025	Parts per billion	45.4	1/22/2025 20:00	41	Bakersfield-California
Nitrogen dioxide (NO2)	NO2 Annual 1971	Observed value	INSTRUMENTAL	2025	Parts per billion	45.4	1/22/2025 20:00	35.2	Bakersfield-California
Carbon monoxide	CO 1-hour 1971	Obseved hourly	INSTRUMENTAL	2025	Parts per million	1.453	1/17/2025 18:00	0.741	Bakersfield-Muni
Carbon monoxide	CO 8-hour 1971	8-Hour running average (end hou		2025	Parts per million	0.8	1/11/2025 0:00	0.6	Bakersfield-Muni
Nitrogen dioxide (NO2)	NO2 1-hour 2010	Daily Maximum	INSTRUMENTAL	2025	Parts per billion	51.2	1/17/2025 18:00	51.2	Bakersfield-Muni
Nitrogen dioxide (NO2)	NO2 Annual 1971	Observed value	INSTRUMENTAL	2025	Parts per billion	51.2	1/17/2025 18:00	33.4	Bakersfield-Muni
Nitrogen dioxide (NO2)	NO2 1-hour 2010	Daily Maximum	Teledyne Model	2025	Parts per billion	43.5	1/23/2025 17:00	39.4	Bakersfield-Westwind
Nitrogen dioxide (NO2)	NO2 Annual 1971	Observed value	Teledyne Model	2025	Parts per billion	43.5	1/23/2025 17:00	30.7	Bakersfield-Westwind

Parameter Name	Pollutant Standard	Metric Used	Method Name	Year	Units of Measure	1st Max Valu	1st Max DateTime	99th Percentil	Local Site Name
Sulfur dioxide	SO2 1-hour 2010	Daily maximum	INSTRUMENTAL	2025	Parts per billion	29.5	5/1/2025 9:00	4.7	Fresno - Garland
Sulfur dioxide	SO2 Annual 1971	Observed Value	INSTRUMENTAL	2025	Parts per billion	29.5	5/1/2025 9:00	2.7	Fresno - Garland
Sulfur dioxide	SO2 Annual 2024	Observed Value	INSTRUMENTAL	2025	Parts per billion	29.5	5/1/2025 9:00	2.7	Fresno - Garland
Sulfur dioxide	SO2 24-hour 1971	Daily Average of observed values		2025	Parts per billion	4.3	5/1/2025 0:00	2.3	Fresno - Garland
Sulfur dioxide	SO2 3-hour 1971	3-Hour block average of observe		2025	Parts per billion	19.1	5/1/2025 11:00	2.9	Fresno - Garland

Parameter Name	Sample Du	Pollutant Standard	Metric Used	Method Name	Year	Units of Measure	1st Max Valu	1st Max DateTime	99th Percentil	Local Site Name
PM10 Total 0-10um STP	24-HR BLK	PM10 24-hour 2006	Daily Mean		2025	Micrograms/cubic meter (25	93	6/19/2025 0:00	90	Bakersfield-Golden / M St
PM10 Total 0-10um STP	24-HR BLK	PM10 24-hour 2006	Daily Mean		2025	Micrograms/cubic meter (25	77	1/23/2025 0:00	68	Bakersfield-California

Parameter Name	Sample Du	Pollutant Standard	Metric Used	Method Name	Year	Units of Measure	1st Max Valu	1st Max DateTime	99th Percentil	Local Site Name
PM2.5 - Local Conditions	1 HOUR		Observed Value	Met One BAM-10	2025	Micrograms/cubic meter (LC)	139	1/1/2025 0:00	45	Bakersfield-Golden / M St
PM2.5 - Local Conditions	24-HR BLK	PM25 24-hour 1997	Daily Mean		2025	Micrograms/cubic meter (LC)	34.9	1/3/2025 0:00	34.9	Bakersfield-Golden / M St
PM2.5 - Local Conditions	24-HR BLK	PM25 24-hour 2006	Daily Mean		2025	Micrograms/cubic meter (LC)	34.9	1/3/2025 0:00	34.9	Bakersfield-Golden / M St
PM2.5 - Local Conditions	24-HR BLK	PM25 24-hour 2012	Daily Mean		2025	Micrograms/cubic meter (LC)	34.9	1/3/2025 0:00	34.9	Bakersfield-Golden / M St
PM2.5 - Local Conditions	24-HR BLK	PM25 24-hour 2024	Daily Mean		2025	Micrograms/cubic meter (LC)	34.9	1/3/2025 0:00	34.9	Bakersfield-Golden / M St
PM2.5 - Local Conditions	24-HR BLK	PM25 Annual 1997	Quarterly Means of Daily Means		2025	Micrograms/cubic meter (LC)	34.9	1/3/2025 0:00	34.9	Bakersfield-Golden / M St
PM2.5 - Local Conditions	24-HR BLK	PM25 Annual 2006	Quarterly Means of Daily Means		2025	Micrograms/cubic meter (LC)	34.9	1/3/2025 0:00	34.9	Bakersfield-Golden / M St
PM2.5 - Local Conditions	24-HR BLK	PM25 Annual 2012	Quarterly Means of Daily Means		2025	Micrograms/cubic meter (LC)	34.9	1/3/2025 0:00	34.9	Bakersfield-Golden / M St
PM2.5 - Local Conditions	24-HR BLK	PM25 Annual 2024	Quarterly Means of Daily Means		2025	Micrograms/cubic meter (LC)	34.9	1/3/2025 0:00	34.9	Bakersfield-Golden / M St
PM2.5 - Local Conditions	24 HOUR	PM25 24-hour 1997	Daily Mean	R & P Model 202	2025	Micrograms/cubic meter (LC)	37.2	1/20/2025 0:00	35.6	Bakersfield-California
PM2.5 - Local Conditions	24 HOUR	PM25 24-hour 2006	Daily Mean	R & P Model 202	2025	Micrograms/cubic meter (LC)	37.2	1/20/2025 0:00	35.6	Bakersfield-California
PM2.5 - Local Conditions	24 HOUR	PM25 24-hour 2012	Daily Mean	R & P Model 202	2025	Micrograms/cubic meter (LC)	37.2	1/20/2025 0:00	35.6	Bakersfield-California
PM2.5 - Local Conditions	24 HOUR	PM25 24-hour 2024	Daily Mean	R & P Model 202	2025	Micrograms/cubic meter (LC)	37.2	1/20/2025 0:00	35.6	Bakersfield-California
PM2.5 - Local Conditions	24 HOUR	PM25 Annual 1997	Quarterly Mean	R & P Model 202	2025	Micrograms/cubic meter (LC)	37.2	1/20/2025 0:00	35.6	Bakersfield-California
PM2.5 - Local Conditions	24 HOUR	PM25 Annual 2006	Quarterly Mean	R & P Model 202	2025	Micrograms/cubic meter (LC)	37.2	1/20/2025 0:00	35.6	Bakersfield-California
PM2.5 - Local Conditions	24 HOUR	PM25 Annual 2012	Quarterly Mean	R & P Model 202	2025	Micrograms/cubic meter (LC)	37.2	1/20/2025 0:00	35.6	Bakersfield-California
PM2.5 - Local Conditions	24 HOUR	PM25 Annual 2024	Quarterly Mean	R & P Model 202	2025	Micrograms/cubic meter (LC)	37.2	1/20/2025 0:00	35.6	Bakersfield-California
PM2.5 - Local Conditions	24 HOUR	PM25 24-hour 1997	Daily Mean	R & P Model 202	2025	Micrograms/cubic meter (LC)	29.7	1/1/2025 0:00	29.7	Bakersfield-California
PM2.5 - Local Conditions	24 HOUR	PM25 24-hour 2006	Daily Mean	R & P Model 202	2025	Micrograms/cubic meter (LC)	29.7	1/1/2025 0:00	29.7	Bakersfield-California
PM2.5 - Local Conditions	24 HOUR	PM25 24-hour 2012	Daily Mean	R & P Model 202	2025	Micrograms/cubic meter (LC)	29.7	1/1/2025 0:00	29.7	Bakersfield-California
PM2.5 - Local Conditions	24 HOUR	PM25 24-hour 2024	Daily Mean	R & P Model 202	2025	Micrograms/cubic meter (LC)	29.7	1/1/2025 0:00	29.7	Bakersfield-California
PM2.5 - Local Conditions	24 HOUR	PM25 Annual 1997	Quarterly Mean	R & P Model 202	2025	Micrograms/cubic meter (LC)	29.7	1/1/2025 0:00	29.7	Bakersfield-California
PM2.5 - Local Conditions	24 HOUR	PM25 Annual 2006	Quarterly Mean	R & P Model 202	2025	Micrograms/cubic meter (LC)	29.7	1/1/2025 0:00	29.7	Bakersfield-California
PM2.5 - Local Conditions	24 HOUR	PM25 Annual 2012	Quarterly Mean	R & P Model 202	2025	Micrograms/cubic meter (LC)	29.7	1/1/2025 0:00	29.7	Bakersfield-California
PM2.5 - Local Conditions	24 HOUR	PM25 Annual 2024	Quarterly Mean	R & P Model 202	2025	Micrograms/cubic meter (LC)	29.7	1/1/2025 0:00	29.7	Bakersfield-California
PM2.5 - Local Conditions	24 HOUR	PM25 24-hour 1997	Daily Mean	R & P Model 202	2025	Micrograms/cubic meter (LC)	35.3	1/22/2025 0:00	35.3	Bakersfield-Airport (Planz)
PM2.5 - Local Conditions	24 HOUR	PM25 24-hour 2006	Daily Mean	R & P Model 202	2025	Micrograms/cubic meter (LC)	35.3	1/22/2025 0:00	35.3	Bakersfield-Airport (Planz)
PM2.5 - Local Conditions	24 HOUR	PM25 24-hour 2012	Daily Mean	R & P Model 202	2025	Micrograms/cubic meter (LC)	35.3	1/22/2025 0:00	35.3	Bakersfield-Airport (Planz)
PM2.5 - Local Conditions	24 HOUR	PM25 24-hour 2024	Daily Mean	R & P Model 202	2025	Micrograms/cubic meter (LC)	35.3	1/22/2025 0:00	35.3	Bakersfield-Airport (Planz)
PM2.5 - Local Conditions	24 HOUR	PM25 Annual 1997	Quarterly Mean	R & P Model 202	2025	Micrograms/cubic meter (LC)	35.3	1/22/2025 0:00	35.3	Bakersfield-Airport (Planz)
PM2.5 - Local Conditions	24 HOUR	PM25 Annual 2006	Quarterly Mean	R & P Model 202	2025	Micrograms/cubic meter (LC)	35.3	1/22/2025 0:00	35.3	Bakersfield-Airport (Planz)
PM2.5 - Local Conditions	24 HOUR	PM25 Annual 2012	Quarterly Mean	R & P Model 202	2025	Micrograms/cubic meter (LC)	35.3	1/22/2025 0:00	35.3	Bakersfield-Airport (Planz)
PM2.5 - Local Conditions	24 HOUR	PM25 Annual 2024	Quarterly Mean	R & P Model 202	2025	Micrograms/cubic meter (LC)	35.3	1/22/2025 0:00	35.3	Bakersfield-Airport (Planz)



Air Resources Board

iADAM

Select 8 Summary

FAQs

Monitoring Sites	2024 PM2.5 State Annual Average	2024 PM10 State Annual Average
Kern County		
Bakersfield-410 E Planz Road	15.5	*
Bakersfield-5558 California Avenue	*	41.1
Bakersfield-Golden State Highway	12.9	49.6

Air Basins	2024 PM2.5 State Annual Average	2024 PM10 State Annual Average
California		
Mojave Desert Air Basin	4.1	22.6
San Joaquin Valley Air Basin	15.5	49.6

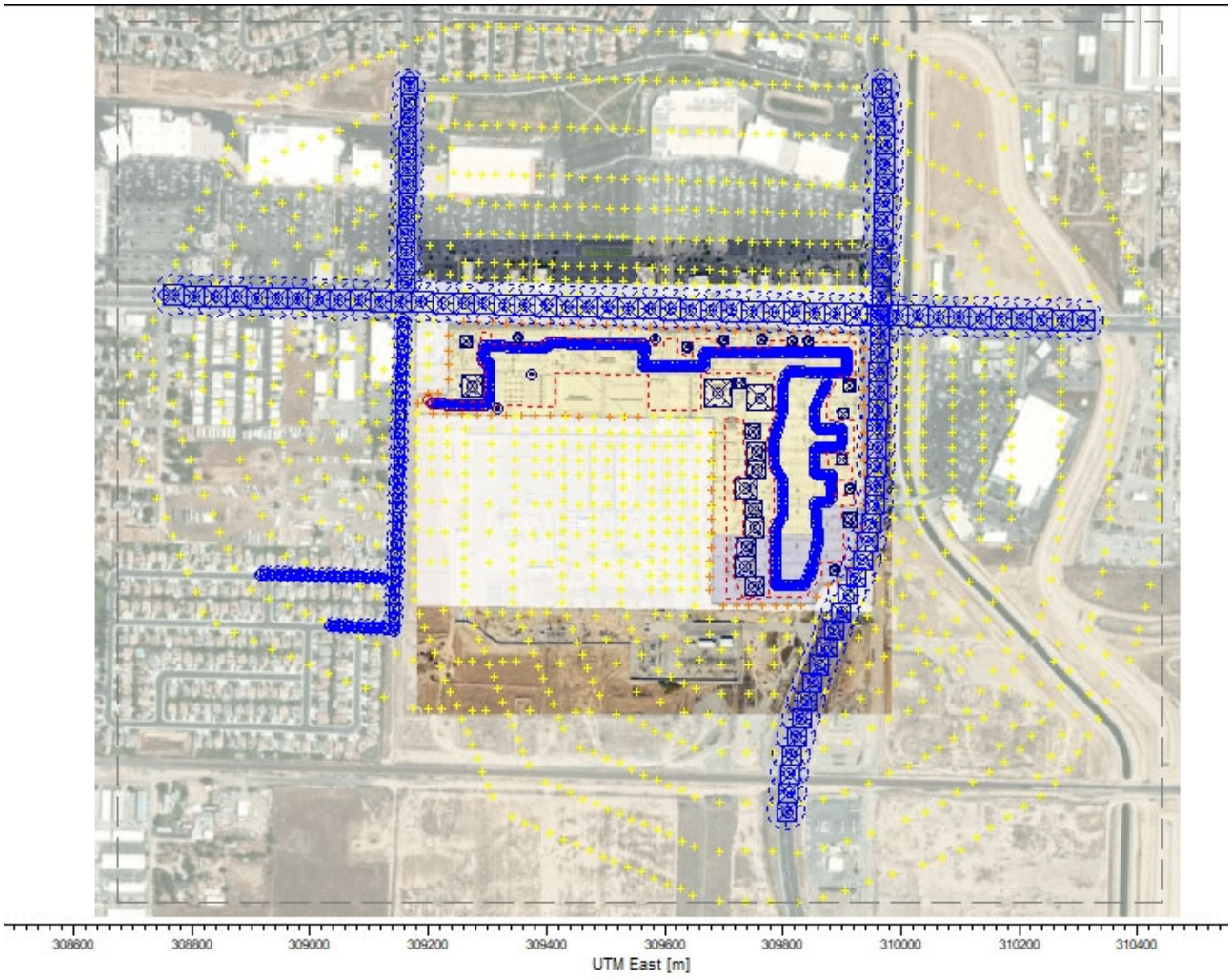
Notes: PM10 statistics may include data that are related to an exceptional event.
* There was insufficient (or no) data available to determine the value.

Go to: Data Statistics Home Page | Select 8 Summary Start Page

Appendix D4. AAQA Air Dispersion Modeling

Model Setup
Sources:
Mobile Sources: Line volume sources (1 on-site; 6 off-site within 0.25-mi of project site)
Area Sources: Poly-area source over lot area
Energy Sources: Volume sources at 29 buildings on-site
Receptors: per APR 1925

N



Control Pathway

Dispersion Options

Titles

Coffee & Rosedale Commercial Center
Ambient Air Quality Analysis

Dispersion Options

☐ Regulatory Default ☒ Non-Default Options

☒ Elevated Terrain
☐ No Stack-Tip Downwash (NOSTD)
☐ Run in Screening Mode
☐ Conversion of NOx to NO2 (OLM or PVMRM)
☐ No Checks for Non-Sequential Met Data
☒ Fast All Sources (FASTALL)
☐ Fast Area Sources (FASTAREA)
☐ Optimized Area Source Plume Depletion
☐ Gas Deposition

BETA Options:

☐ Capped and Horizontal Stack Releases
☐ Adjusted Friction Velocity (u*) in AERMET (ADJ_U*)
☐ Low Wind Options

☐ SCIM (Sampled Chronological Input Model)
☐ Ignore Urban Night / Daytime Transition (NOURBTRAN)

Dispersion Coefficient

Urban
Population:
Name (Optional):
Roughness Length:

Output Type

☒ Concentration
☐ Total Deposition (Dry & Wet)
☐ Dry Deposition
☐ Wet Deposition

Plume Depletion

☐ Dry Removal
☐ Wet Removal

Output Warnings

☐ No Output Warnings
☐ Non-fatal Warnings for Non-sequential Met Data

Pollutant / Averaging Time / Terrain Options

Pollutant Type

Averaging Time Options

Hours ☒ 1 ☐ 2 ☒ 3 ☐ 4 ☐ 6 ☒ 8 ☐ 12 ☒ 24

☐ Month ☒ Period ☐ Annual

Exponential Decay

☐ Yes ☒ No

Terrain Height Options

☐ Flat ☒ Elevated

SO: Meters
RE: Meters
TG: Meters

Flagpole Receptors

☐ Yes ☒ No

Default Height = 0.00 m

Control Pathway

Optional Files

Re-Start File	Init File	Multi-Year Analyses	Event Input File	Error Listing File
☐	☐	☐	☐	■

Detailed Error Listing File

Filename: LOKH01_AAQA.err

Source Pathway - Source Inputs

Source Pathway - Source Inputs

Volume Sources

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	MAJA	309690.66	3917443.68	117.91	0.00	0.06800	44.30	Surface-Based	10.30	10.36
		Major A Health Club								
VOLUME	SHP1	309726.30	3917460.86	118.00	0.00	0.02800	18.30	Surface-Based	4.26	3.66
		shops 1 retail								
VOLUME	SHP2	309750.20	3917378.91	118.03	0.00	0.04000	25.88	Surface-Based	6.02	3.66
		Shops 2 Retail/Fast Casual								
VOLUME	PAD3	309584.35	3917536.33	117.66	0.00	0.01300	8.30	Surface-Based	1.93	3.66
		Bldg 3 DT Restaurant								
VOLUME	PAD5	309700.19	3917533.50	118.11	0.00	0.02200	14.40	Surface-Based	3.35	3.66
		Bldg 5 DT Fast Casual								
VOLUME	PAD7	309816.63	3917532.07	118.52	0.00	0.02200	14.40	Surface-Based	3.35	3.66
		retail								
VOLUME	PAD9	309912.66	3917456.06	118.58	0.00	0.02900	19.10	Surface-Based	4.44	3.66
		Restaurant								
VOLUME	PAD10	309902.44	3917410.63	118.23	0.00	0.02700	17.44	Surface-Based	4.06	3.66
		DT/Fast Casual Restaurant								
VOLUME	PAD11	309899.77	3917332.85	118.30	0.00	0.02600	16.72	Surface-Based	3.89	3.66
		DT Restaurant/Retail								
VOLUME	PAD12	309913.09	3917282.22	118.48	0.00	0.02100	13.64	Surface-Based	3.17	3.66
		med office								
VOLUME	PAD14	309887.19	3917144.66	118.49	0.00	0.02200	14.30	Surface-Based	3.33	3.66
		rest/retail								
VOLUME	V1	309273.93	3917456.33	116.69	0.00	0.05400	35.44	Surface-Based	8.24	10.36
		storage bldg								
VOLUME	PAD1	309263.72	3917531.99	116.69	0.00	0.03000	19.78	Surface-Based	4.60	3.66
		fast casual								

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	PAD2	309351.69 car wash	3917537.29	116.72	0.00	0.02200	14.13	Surface-Based	3.29	3.66
VOLUME	V2	309318.23 controller office	3917416.78	116.69	0.00	0.00900	5.64	Surface-Based	1.31	3.66
VOLUME	V3	309375.65 controller storage	3917476.53	116.69	0.00	0.00700	4.32	Surface-Based	1.00	3.66
VOLUME	PAD4	309637.38 DT restaurant	3917521.83	117.90	0.00	0.02200	14.60	Surface-Based	3.40	3.66
VOLUME	PAD6	309764.18 DT Restaurant	3917534.45	118.31	0.00	0.02200	14.60	Surface-Based	3.40	3.66
VOLUME	PAD8	309843.51 retail	3917531.79	118.74	0.00	0.02200	14.40	Surface-Based	3.35	3.66
VOLUME	PAD13	309914.87 restaurant	3917230.40	118.59	0.00	0.03700	23.90	Surface-Based	5.56	3.66
VOLUME	MAJB	309761.69 Major B market	3917435.70	118.03	0.00	0.06500	42.82	Surface-Based	9.96	10.36
VOLUME	MAJC	309755.06 Major C	3917345.65	118.08	0.00	0.04700	30.54	Surface-Based	7.10	10.36
VOLUME	MAJD	309755.06 Major D	3917315.11	118.13	0.00	0.04700	30.54	Surface-Based	7.10	10.36
VOLUME	MAJE	309737.64 Major E retail	3917282.41	118.16	0.00	0.05400	35.52	Surface-Based	8.26	10.36
VOLUME	MAJF	309751.25 Major F	3917249.55	118.23	0.00	0.04500	29.54	Surface-Based	6.87	7.32
VOLUME	MAJG	309752.58 Major G	3917218.02	118.26	0.00	0.05100	33.52	Surface-Based	7.80	10.36

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	MAJH	309738.14 Major H retail	3917184.66	118.18	0.00	0.04700	30.54	Surface-Based	7.10	7.32
VOLUME	MAJI	309736.97 Major I	3917151.96	118.12	0.00	0.05300	34.85	Surface-Based	8.10	10.36
VOLUME	MAJJ	309751.75 Major J	3917117.61	118.08	0.00	0.05000	32.53	Surface-Based	7.57	10.36

Source Pathway - Source Inputs

Polygon Area Sources

Source Type: AREA POLY

Source: PAREA1 (on-site)

Base Elevation (Optional)	Release Height [m]	Emission Rate [g/ (s-m^2)]	Initial Vertical Dim. [m]	Number of Vertices (or sides)	X Coordinate for Vertices [m]	Y Coordinate for Vertices [m]
116.69	0.60	0.00001		73	309198.59	3917432.22
		0.00001			309199.21	3917417.49
		0.00001			309308.41	3917416.88
		0.00001			309307.80	3917423.01
		0.00001			309415.77	3917420.56
		0.00001			309415.16	3917478.23
		0.00001			309572.82	3917476.39
		0.00001			309574.05	3917416.27
		0.00001			309662.39	3917416.27
		0.00001			309662.39	3917479.45
		0.00001			309784.48	3917479.45
		0.00001			309786.32	3917406.45
		0.00001			309773.44	3917370.87
		0.00001			309775.89	3917318.11
		0.00001			309784.48	3917304.61
		0.00001			309785.09	3917238.35
		0.00001			309777.73	3917221.79
		0.00001			309775.28	3917101.54
		0.00001			309729.26	3917100.32
		0.00001			309717.61	3917136.51
		0.00001			309718.22	3917200.93
		0.00001			309732.95	3917201.54
		0.00001			309732.33	3917262.89
		0.00001			309715.77	3917262.89
		0.00001			309715.77	3917304.00
		0.00001			309737.24	3917304.00
		0.00001			309734.79	3917401.54
		0.00001			309701.04	3917399.70
		0.00001			309705.95	3917097.86
		0.00001			309840.31	3917099.70

Source Pathway - Source Inputs

Source Type: AREA POLY

Source: PAREA1 (on-site)

Base Elevation (Optional)	Release Height [m]	Emission Rate [g/ (s-m^2)]	Initial Vertical Dim. [m]	Number of Vertices (or sides)	X Coordinate for Vertices [m]	Y Coordinate for Vertices [m]
		0.00001			309865.46	3917137.74
		0.00001			309863.62	3917156.14
		0.00001			309905.95	3917158.60
		0.00001			309901.04	3917253.69
		0.00001			309918.83	3917254.92
		0.00001			309918.83	3917271.48
		0.00001			309889.39	3917270.87
		0.00001			309890.00	3917298.47
		0.00001			309917.61	3917297.25
		0.00001			309915.77	3917323.01
		0.00001			309875.89	3917323.01
		0.00001			309874.66	3917343.87
		0.00001			309918.83	3917344.49
		0.00001			309918.83	3917396.63
		0.00001			309873.43	3917397.25
		0.00001			309872.82	3917428.53
		0.00001			309893.68	3917472.09
		0.00001			309923.13	3917470.87
		0.00001			309921.90	3917529.15
		0.00001			309850.74	3917530.99
		0.00001			309850.74	3917524.85
		0.00001			309805.34	3917524.24
		0.00001			309805.34	3917534.06
		0.00001			309777.12	3917533.44
		0.00001			309777.12	3917520.56
		0.00001			309685.09	3917521.79
		0.00001			309686.32	3917535.90
		0.00001			309646.44	3917535.90
		0.00001			309647.67	3917508.29
		0.00001			309621.29	3917509.52
		0.00001			309620.68	3917537.12

Source Pathway - Source Inputs

Source Type: AREA POLY

Source: PAREA1 (on-site)

Base Elevation (Optional)	Release Height [m]	Emission Rate [g/ (s-m^2)]	Initial Vertical Dim. [m]	Number of Vertices (or sides)	X Coordinate for Vertices [m]	Y Coordinate for Vertices [m]
116.69	0.60	0.00001		73	309599.20	3917536.51
		0.00001			309599.20	3917525.47
		0.00001			309578.96	3917525.47
		0.00001			309579.57	3917532.83
		0.00001			309391.84	3917536.51
		0.00001			309391.84	3917524.85
		0.00001			309307.80	3917526.08
		0.00001			309307.18	3917546.94
		0.00001			309288.16	3917546.33
		0.00001			309286.94	3917490.50
		0.00001			309296.75	3917489.88
		0.00001			309294.91	3917429.15

Source Pathway - Source Inputs

Line Volume Sources

Source Type: LINE VOLUME

Source: LINE1 (Rosedale)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
35.00	0.26200	Surface-Based	308752.04	3917609.89	116.66	0.60
			310337.87	3917565.96	119.52	0.60

Source Type: LINE VOLUME

Source: LINE2 (Coffee Rd Truck Haul)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
32.00	0.21400	Surface-Based	309965.13	3917974.78	118.30	0.60
			309974.24	3917870.04	118.32	0.60
			309956.02	3917257.55	118.54	0.60
			309937.81	3917166.47	118.65	0.60
			309851.28	3916959.27	118.33	0.60
			309814.85	3916836.32	119.07	0.60
			309805.74	3916708.81	119.25	0.60

Source Type: LINE VOLUME

Source: LINE3 (Clay Patrick Fair Way)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
27.80	0.05900		309167.53	3917977.76	118.44	0.60
			309161.21	3917622.19	116.76	0.60

Source Type: LINE VOLUME

Source: LINE4 (El Toro Viejo Rd)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
15.60	0.08900		309141.08	3917040.75	117.16	0.60
			309157.84	3917577.18	116.71	0.60

Source Pathway - Source Inputs

Source Type: LINE VOLUME

Source: LINE5 (Ribston Ave)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
12.50	0.03600		308916.45	3917137.98	117.05	0.60
			309132.14	3917131.27	117.46	0.60

Source Type: LINE VOLUME

Source: LINE6 (Wolf River Ave)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
12.50	0.01700		309032.68	3917050.81	117.17	0.60
			309133.26	3917046.34	117.14	0.60

Source Pathway - Source Inputs

Source Type: LINE VOLUME

Source: SLINE1 (on-site mobile sources)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
8.00	0.32400		309204.11	3917425.47	116.69	0.60
			309302.27	3917424.24	116.69	0.60
			309304.11	3917496.63	116.69	0.60
			309292.46	3917495.41	116.69	0.60
			309293.68	3917524.24	116.69	0.60
			309402.27	3917519.95	116.71	0.60
			309401.66	3917529.15	116.70	0.60
			309566.69	3917526.08	117.56	0.60
			309564.24	3917489.27	117.55	0.60
			309666.69	3917488.66	117.96	0.60
			309666.08	3917513.81	118.00	0.60
			309909.63	3917513.20	119.30	0.60
			309909.63	3917478.84	119.03	0.60
			309808.41	3917480.07	118.25	0.60
			309799.20	3917456.14	118.17	0.60
			309797.98	3917404.00	118.08	0.60
			309783.87	3917364.12	118.11	0.60
			309785.71	3917321.79	118.24	0.60
			309799.20	3917297.86	118.26	0.60
			309799.82	3917234.67	118.36	0.60
			309788.77	3917217.49	118.33	0.60
			309787.55	3917118.72	118.19	0.60
			309837.85	3917120.56	118.30	0.60
			309849.51	3917147.55	118.37	0.60
			309860.55	3917197.25	118.47	0.60
			309854.42	3917260.44	118.48	0.60
			309882.03	3917261.05	118.52	0.60
			309881.41	3917306.45	118.42	0.60
			309853.80	3917305.22	118.39	0.60
			309854.42	3917352.46	118.21	0.60
			309899.82	3917353.08	118.24	0.60

Source Pathway - Source Inputs

Source Type: LINE VOLUME

Source: SLINE1 (on-site mobile sources)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
8.00	0.32400		309898.59	3917385.59	118.23	0.60
			309856.26	3917381.91	118.17	0.60
			309853.19	3917418.11	118.21	0.60
			309877.12	3917465.35	118.44	0.60

Source Pathway - Source Inputs

Volume Sources Generated from Line Sources

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE1	L0000400	309208.11	3917425.42	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000401	309216.11	3917425.32	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000402	309224.11	3917425.22	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000403	309232.11	3917425.12	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000404	309240.11	3917425.02	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000405	309248.11	3917424.92	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000406	309256.11	3917424.82	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000407	309264.11	3917424.72	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000408	309272.11	3917424.62	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000409	309280.11	3917424.52	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000410	309288.11	3917424.42	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000411	309296.11	3917424.32	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000412	309302.32	3917426.07	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000413	309302.52	3917434.07	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000414	309302.73	3917442.07	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000415	309302.93	3917450.07	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000416	309303.13	3917458.06	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000417	309303.34	3917466.06	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000418	309303.54	3917474.06	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000419	309303.74	3917482.06	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000420	309303.95	3917490.05	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000421	309302.70	3917496.49	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000422	309294.75	3917495.65	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000423	309292.70	3917501.10	116.69	0.60	0.00132	8.00		3.72	1.40

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE1	L0000424	309293.04	3917509.09	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000425	309293.38	3917517.08	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000426	309294.52	3917524.21	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000427	309302.51	3917523.89	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000428	309310.51	3917523.58	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000429	309318.50	3917523.26	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000430	309326.49	3917522.94	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000431	309334.49	3917522.63	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000432	309342.48	3917522.31	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000433	309350.48	3917521.99	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000434	309358.47	3917521.68	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000435	309366.46	3917521.36	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000436	309374.46	3917521.05	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000437	309382.45	3917520.73	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000438	309390.44	3917520.41	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000439	309398.44	3917520.10	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000440	309402.00	3917524.10	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000441	309404.60	3917529.09	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000442	309412.60	3917528.95	116.69	0.60	0.00132	8.00		3.72	1.40
	L0000443	309420.60	3917528.80	116.71	0.60	0.00132	8.00		3.72	1.40
	L0000444	309428.59	3917528.65	116.80	0.60	0.00132	8.00		3.72	1.40
	L0000445	309436.59	3917528.50	116.89	0.60	0.00132	8.00		3.72	1.40
	L0000446	309444.59	3917528.35	116.97	0.60	0.00132	8.00		3.72	1.40
	L0000447	309452.59	3917528.20	116.98	0.60	0.00132	8.00		3.72	1.40
	L0000448	309460.59	3917528.05	116.99	0.60	0.00132	8.00		3.72	1.40

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE1	L0000449	309468.59	3917527.90	117.00	0.60	0.00132	8.00		3.72	1.40
	L0000450	309476.59	3917527.76	117.02	0.60	0.00132	8.00		3.72	1.40
	L0000451	309484.58	3917527.61	117.05	0.60	0.00132	8.00		3.72	1.40
	L0000452	309492.58	3917527.46	117.07	0.60	0.00132	8.00		3.72	1.40
	L0000453	309500.58	3917527.31	117.12	0.60	0.00132	8.00		3.72	1.40
	L0000454	309508.58	3917527.16	117.17	0.60	0.00132	8.00		3.72	1.40
	L0000455	309516.58	3917527.01	117.23	0.60	0.00132	8.00		3.72	1.40
	L0000456	309524.58	3917526.86	117.28	0.60	0.00132	8.00		3.72	1.40
	L0000457	309532.58	3917526.72	117.32	0.60	0.00132	8.00		3.72	1.40
	L0000458	309540.57	3917526.57	117.37	0.60	0.00132	8.00		3.72	1.40
	L0000459	309548.57	3917526.42	117.42	0.60	0.00132	8.00		3.72	1.40
	L0000460	309556.57	3917526.27	117.47	0.60	0.00132	8.00		3.72	1.40
	L0000461	309564.57	3917526.12	117.53	0.60	0.00132	8.00		3.72	1.40
	L0000462	309566.30	3917520.21	117.54	0.60	0.00132	8.00		3.72	1.40
	L0000463	309565.77	3917512.23	117.54	0.60	0.00132	8.00		3.72	1.40
	L0000464	309565.23	3917504.25	117.54	0.60	0.00132	8.00		3.72	1.40
	L0000465	309564.70	3917496.27	117.53	0.60	0.00132	8.00		3.72	1.40
	L0000466	309565.23	3917489.27	117.54	0.60	0.00132	8.00		3.72	1.40
	L0000467	309573.22	3917489.22	117.57	0.60	0.00132	8.00		3.72	1.40
	L0000468	309581.22	3917489.17	117.61	0.60	0.00132	8.00		3.72	1.40
	L0000469	309589.22	3917489.12	117.65	0.60	0.00132	8.00		3.72	1.40
	L0000470	309597.22	3917489.07	117.69	0.60	0.00132	8.00		3.72	1.40
	L0000471	309605.22	3917489.03	117.72	0.60	0.00132	8.00		3.72	1.40
	L0000472	309613.22	3917488.98	117.75	0.60	0.00132	8.00		3.72	1.40
	L0000473	309621.22	3917488.93	117.79	0.60	0.00132	8.00		3.72	1.40

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE1	L0000474	309629.22	3917488.88	117.82	0.60	0.00132	8.00		3.72	1.40
	L0000475	309637.22	3917488.83	117.85	0.60	0.00132	8.00		3.72	1.40
	L0000476	309645.22	3917488.79	117.88	0.60	0.00132	8.00		3.72	1.40
	L0000477	309653.22	3917488.74	117.90	0.60	0.00132	8.00		3.72	1.40
	L0000478	309661.22	3917488.69	117.93	0.60	0.00132	8.00		3.72	1.40
	L0000479	309666.63	3917491.19	117.95	0.60	0.00132	8.00		3.72	1.40
	L0000480	309666.43	3917499.19	117.96	0.60	0.00132	8.00		3.72	1.40
	L0000481	309666.24	3917507.19	117.98	0.60	0.00132	8.00		3.72	1.40
	L0000482	309667.45	3917513.81	117.99	0.60	0.00132	8.00		3.72	1.40
	L0000483	309675.45	3917513.79	118.02	0.60	0.00132	8.00		3.72	1.40
	L0000484	309683.45	3917513.77	118.04	0.60	0.00132	8.00		3.72	1.40
	L0000485	309691.45	3917513.75	118.06	0.60	0.00132	8.00		3.72	1.40
	L0000486	309699.45	3917513.73	118.08	0.60	0.00132	8.00		3.72	1.40
	L0000487	309707.45	3917513.71	118.10	0.60	0.00132	8.00		3.72	1.40
	L0000488	309715.45	3917513.69	118.12	0.60	0.00132	8.00		3.72	1.40
	L0000489	309723.45	3917513.67	118.14	0.60	0.00132	8.00		3.72	1.40
	L0000490	309731.45	3917513.65	118.16	0.60	0.00132	8.00		3.72	1.40
	L0000491	309739.45	3917513.63	118.17	0.60	0.00132	8.00		3.72	1.40
	L0000492	309747.45	3917513.61	118.19	0.60	0.00132	8.00		3.72	1.40
	L0000493	309755.45	3917513.59	118.22	0.60	0.00132	8.00		3.72	1.40
	L0000494	309763.45	3917513.57	118.25	0.60	0.00132	8.00		3.72	1.40
	L0000495	309771.45	3917513.55	118.28	0.60	0.00132	8.00		3.72	1.40
	L0000496	309779.45	3917513.53	118.31	0.60	0.00132	8.00		3.72	1.40
	L0000497	309787.45	3917513.51	118.33	0.60	0.00132	8.00		3.72	1.40
	L0000498	309795.45	3917513.49	118.36	0.60	0.00132	8.00		3.72	1.40

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE1	L0000499	309803.45	3917513.47	118.39	0.60	0.00132	8.00		3.72	1.40
	L0000500	309811.45	3917513.45	118.42	0.60	0.00132	8.00		3.72	1.40
	L0000501	309819.45	3917513.42	118.45	0.60	0.00132	8.00		3.72	1.40
	L0000502	309827.45	3917513.40	118.50	0.60	0.00132	8.00		3.72	1.40
	L0000503	309835.45	3917513.38	118.56	0.60	0.00132	8.00		3.72	1.40
	L0000504	309843.45	3917513.36	118.63	0.60	0.00132	8.00		3.72	1.40
	L0000505	309851.45	3917513.34	118.71	0.60	0.00132	8.00		3.72	1.40
	L0000506	309859.45	3917513.32	118.80	0.60	0.00132	8.00		3.72	1.40
	L0000507	309867.45	3917513.30	118.90	0.60	0.00132	8.00		3.72	1.40
	L0000508	309875.45	3917513.28	118.99	0.60	0.00132	8.00		3.72	1.40
	L0000509	309883.45	3917513.26	119.06	0.60	0.00132	8.00		3.72	1.40
	L0000510	309891.45	3917513.24	119.13	0.60	0.00132	8.00		3.72	1.40
	L0000511	309899.45	3917513.22	119.19	0.60	0.00132	8.00		3.72	1.40
	L0000512	309907.45	3917513.20	119.24	0.60	0.00132	8.00		3.72	1.40
	L0000513	309909.63	3917507.38	119.21	0.60	0.00132	8.00		3.72	1.40
	L0000514	309909.63	3917499.38	119.15	0.60	0.00132	8.00		3.72	1.40
	L0000515	309909.63	3917491.38	119.09	0.60	0.00132	8.00		3.72	1.40
	L0000516	309909.63	3917483.38	118.99	0.60	0.00132	8.00		3.72	1.40
	L0000517	309906.17	3917478.88	118.89	0.60	0.00132	8.00		3.72	1.40
	L0000518	309898.17	3917478.98	118.83	0.60	0.00132	8.00		3.72	1.40
	L0000519	309890.17	3917479.08	118.78	0.60	0.00132	8.00		3.72	1.40
	L0000520	309882.17	3917479.17	118.72	0.60	0.00132	8.00		3.72	1.40
	L0000521	309874.18	3917479.27	118.67	0.60	0.00132	8.00		3.72	1.40
	L0000522	309866.18	3917479.37	118.59	0.60	0.00132	8.00		3.72	1.40
	L0000523	309858.18	3917479.47	118.51	0.60	0.00132	8.00		3.72	1.40

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE1	L0000524	309850.18	3917479.56	118.42	0.60	0.00132	8.00		3.72	1.40
	L0000525	309842.18	3917479.66	118.36	0.60	0.00132	8.00		3.72	1.40
	L0000526	309834.18	3917479.76	118.32	0.60	0.00132	8.00		3.72	1.40
	L0000527	309826.18	3917479.85	118.28	0.60	0.00132	8.00		3.72	1.40
	L0000528	309818.18	3917479.95	118.25	0.60	0.00132	8.00		3.72	1.40
	L0000529	309810.18	3917480.05	118.23	0.60	0.00132	8.00		3.72	1.40
	L0000530	309806.17	3917474.26	118.21	0.60	0.00132	8.00		3.72	1.40
	L0000531	309803.30	3917466.79	118.19	0.60	0.00132	8.00		3.72	1.40
	L0000532	309800.43	3917459.32	118.17	0.60	0.00132	8.00		3.72	1.40
	L0000533	309799.10	3917451.55	118.15	0.60	0.00132	8.00		3.72	1.40
	L0000534	309798.91	3917443.56	118.13	0.60	0.00132	8.00		3.72	1.40
	L0000535	309798.72	3917435.56	118.10	0.60	0.00132	8.00		3.72	1.40
	L0000536	309798.53	3917427.56	118.08	0.60	0.00132	8.00		3.72	1.40
	L0000537	309798.34	3917419.56	118.08	0.60	0.00132	8.00		3.72	1.40
	L0000538	309798.15	3917411.56	118.08	0.60	0.00132	8.00		3.72	1.40
	L0000539	309797.83	3917403.59	118.08	0.60	0.00132	8.00		3.72	1.40
	L0000540	309795.16	3917396.05	118.08	0.60	0.00132	8.00		3.72	1.40
	L0000541	309792.50	3917388.51	118.09	0.60	0.00132	8.00		3.72	1.40
	L0000542	309789.83	3917380.97	118.09	0.60	0.00132	8.00		3.72	1.40
	L0000543	309787.16	3917373.42	118.10	0.60	0.00132	8.00		3.72	1.40
	L0000544	309784.49	3917365.88	118.10	0.60	0.00132	8.00		3.72	1.40
	L0000545	309784.13	3917358.00	118.12	0.60	0.00132	8.00		3.72	1.40
	L0000546	309784.48	3917350.00	118.14	0.60	0.00132	8.00		3.72	1.40
	L0000547	309784.83	3917342.01	118.15	0.60	0.00132	8.00		3.72	1.40
	L0000548	309785.17	3917334.02	118.17	0.60	0.00132	8.00		3.72	1.40

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE1	L0000549	309785.52	3917326.03	118.19	0.60	0.00132	8.00		3.72	1.40
	L0000550	309787.55	3917318.51	118.21	0.60	0.00132	8.00		3.72	1.40
	L0000551	309791.48	3917311.55	118.23	0.60	0.00132	8.00		3.72	1.40
	L0000552	309795.41	3917304.58	118.26	0.60	0.00132	8.00		3.72	1.40
	L0000553	309799.21	3917297.57	118.28	0.60	0.00132	8.00		3.72	1.40
	L0000554	309799.28	3917289.57	118.30	0.60	0.00132	8.00		3.72	1.40
	L0000555	309799.36	3917281.57	118.32	0.60	0.00132	8.00		3.72	1.40
	L0000556	309799.44	3917273.57	118.34	0.60	0.00132	8.00		3.72	1.40
	L0000557	309799.52	3917265.58	118.35	0.60	0.00132	8.00		3.72	1.40
	L0000558	309799.59	3917257.58	118.36	0.60	0.00132	8.00		3.72	1.40
	L0000559	309799.67	3917249.58	118.37	0.60	0.00132	8.00		3.72	1.40
	L0000560	309799.75	3917241.58	118.37	0.60	0.00132	8.00		3.72	1.40
	L0000561	309799.23	3917233.75	118.36	0.60	0.00132	8.00		3.72	1.40
	L0000562	309794.90	3917227.02	118.35	0.60	0.00132	8.00		3.72	1.40
	L0000563	309790.57	3917220.29	118.33	0.60	0.00132	8.00		3.72	1.40
	L0000564	309788.72	3917212.82	118.33	0.60	0.00132	8.00		3.72	1.40
	L0000565	309788.62	3917204.82	118.32	0.60	0.00132	8.00		3.72	1.40
	L0000566	309788.52	3917196.82	118.31	0.60	0.00132	8.00		3.72	1.40
	L0000567	309788.42	3917188.82	118.31	0.60	0.00132	8.00		3.72	1.40
	L0000568	309788.32	3917180.82	118.30	0.60	0.00132	8.00		3.72	1.40
	L0000569	309788.22	3917172.82	118.29	0.60	0.00132	8.00		3.72	1.40
	L0000570	309788.12	3917164.82	118.27	0.60	0.00132	8.00		3.72	1.40
	L0000571	309788.02	3917156.82	118.26	0.60	0.00132	8.00		3.72	1.40
	L0000572	309787.92	3917148.83	118.25	0.60	0.00132	8.00		3.72	1.40
	L0000573	309787.82	3917140.83	118.23	0.60	0.00132	8.00		3.72	1.40

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE1	L0000574	309787.72	3917132.83	118.21	0.60	0.00132	8.00		3.72	1.40
	L0000575	309787.62	3917124.83	118.20	0.60	0.00132	8.00		3.72	1.40
	L0000576	309789.44	3917118.79	118.19	0.60	0.00132	8.00		3.72	1.40
	L0000577	309797.43	3917119.08	118.21	0.60	0.00132	8.00		3.72	1.40
	L0000578	309805.43	3917119.37	118.23	0.60	0.00132	8.00		3.72	1.40
	L0000579	309813.42	3917119.67	118.25	0.60	0.00132	8.00		3.72	1.40
	L0000580	309821.42	3917119.96	118.27	0.60	0.00132	8.00		3.72	1.40
	L0000581	309829.41	3917120.25	118.28	0.60	0.00132	8.00		3.72	1.40
	L0000582	309837.41	3917120.54	118.30	0.60	0.00132	8.00		3.72	1.40
	L0000583	309840.85	3917127.50	118.32	0.60	0.00132	8.00		3.72	1.40
	L0000584	309844.02	3917134.84	118.35	0.60	0.00132	8.00		3.72	1.40
	L0000585	309847.19	3917142.18	118.38	0.60	0.00132	8.00		3.72	1.40
	L0000586	309849.98	3917149.65	118.40	0.60	0.00132	8.00		3.72	1.40
	L0000587	309851.71	3917157.46	118.41	0.60	0.00132	8.00		3.72	1.40
	L0000588	309853.45	3917165.27	118.43	0.60	0.00132	8.00		3.72	1.40
	L0000589	309855.18	3917173.08	118.44	0.60	0.00132	8.00		3.72	1.40
	L0000590	309856.92	3917180.89	118.45	0.60	0.00132	8.00		3.72	1.40
	L0000591	309858.65	3917188.70	118.47	0.60	0.00132	8.00		3.72	1.40
	L0000592	309860.39	3917196.51	118.48	0.60	0.00132	8.00		3.72	1.40
	L0000593	309859.85	3917204.46	118.49	0.60	0.00132	8.00		3.72	1.40
	L0000594	309859.08	3917212.42	118.50	0.60	0.00132	8.00		3.72	1.40
	L0000595	309858.31	3917220.38	118.50	0.60	0.00132	8.00		3.72	1.40
	L0000596	309857.53	3917228.35	118.50	0.60	0.00132	8.00		3.72	1.40
	L0000597	309856.76	3917236.31	118.50	0.60	0.00132	8.00		3.72	1.40
	L0000598	309855.99	3917244.27	118.50	0.60	0.00132	8.00		3.72	1.40

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE1	L0000599	309855.21	3917252.23	118.49	0.60	0.00132	8.00		3.72	1.40
	L0000600	309854.44	3917260.20	118.48	0.60	0.00132	8.00		3.72	1.40
	L0000601	309862.17	3917260.61	118.50	0.60	0.00132	8.00		3.72	1.40
	L0000602	309870.17	3917260.79	118.51	0.60	0.00132	8.00		3.72	1.40
	L0000603	309878.17	3917260.97	118.52	0.60	0.00132	8.00		3.72	1.40
	L0000604	309881.97	3917265.19	118.51	0.60	0.00132	8.00		3.72	1.40
	L0000605	309881.86	3917273.19	118.50	0.60	0.00132	8.00		3.72	1.40
	L0000606	309881.75	3917281.19	118.49	0.60	0.00132	8.00		3.72	1.40
	L0000607	309881.65	3917289.19	118.47	0.60	0.00132	8.00		3.72	1.40
	L0000608	309881.54	3917297.19	118.45	0.60	0.00132	8.00		3.72	1.40
	L0000609	309881.43	3917305.19	118.43	0.60	0.00132	8.00		3.72	1.40
	L0000610	309874.68	3917306.15	118.42	0.60	0.00132	8.00		3.72	1.40
	L0000611	309866.69	3917305.80	118.41	0.60	0.00132	8.00		3.72	1.40
	L0000612	309858.69	3917305.44	118.40	0.60	0.00132	8.00		3.72	1.40
	L0000613	309853.84	3917308.33	118.38	0.60	0.00132	8.00		3.72	1.40
	L0000614	309853.95	3917316.33	118.35	0.60	0.00132	8.00		3.72	1.40
	L0000615	309854.05	3917324.33	118.33	0.60	0.00132	8.00		3.72	1.40
	L0000616	309854.16	3917332.33	118.30	0.60	0.00132	8.00		3.72	1.40
	L0000617	309854.26	3917340.33	118.28	0.60	0.00132	8.00		3.72	1.40
	L0000618	309854.36	3917348.33	118.25	0.60	0.00132	8.00		3.72	1.40
	L0000619	309858.28	3917352.51	118.23	0.60	0.00132	8.00		3.72	1.40
	L0000620	309866.28	3917352.62	118.23	0.60	0.00132	8.00		3.72	1.40
	L0000621	309874.28	3917352.73	118.24	0.60	0.00132	8.00		3.72	1.40
	L0000622	309882.28	3917352.84	118.24	0.60	0.00132	8.00		3.72	1.40
	L0000623	309890.28	3917352.95	118.25	0.60	0.00132	8.00		3.72	1.40

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE1	L0000624	309898.28	3917353.05	118.26	0.60	0.00132	8.00		3.72	1.40
	L0000625	309899.57	3917359.53	118.24	0.60	0.00132	8.00		3.72	1.40
	L0000626	309899.27	3917367.53	118.23	0.60	0.00132	8.00		3.72	1.40
	L0000627	309898.97	3917375.52	118.23	0.60	0.00132	8.00		3.72	1.40
	L0000628	309898.67	3917383.51	118.23	0.60	0.00132	8.00		3.72	1.40
	L0000629	309892.69	3917385.08	118.22	0.60	0.00132	8.00		3.72	1.40
	L0000630	309884.72	3917384.38	118.21	0.60	0.00132	8.00		3.72	1.40
	L0000631	309876.75	3917383.69	118.19	0.60	0.00132	8.00		3.72	1.40
	L0000632	309868.78	3917383.00	118.18	0.60	0.00132	8.00		3.72	1.40
	L0000633	309860.81	3917382.31	118.17	0.60	0.00132	8.00		3.72	1.40
	L0000634	309855.97	3917385.33	118.17	0.60	0.00132	8.00		3.72	1.40
	L0000635	309855.29	3917393.30	118.16	0.60	0.00132	8.00		3.72	1.40
	L0000636	309854.62	3917401.27	118.17	0.60	0.00132	8.00		3.72	1.40
	L0000637	309853.94	3917409.24	118.17	0.60	0.00132	8.00		3.72	1.40
	L0000638	309853.27	3917417.21	118.18	0.60	0.00132	8.00		3.72	1.40
	L0000639	309856.40	3917424.44	118.19	0.60	0.00132	8.00		3.72	1.40
	L0000640	309860.02	3917431.58	118.21	0.60	0.00132	8.00		3.72	1.40
	L0000641	309863.63	3917438.72	118.25	0.60	0.00132	8.00		3.72	1.40
	L0000642	309867.25	3917445.86	118.31	0.60	0.00132	8.00		3.72	1.40
	L0000643	309870.86	3917452.99	118.38	0.60	0.00132	8.00		3.72	1.40
	L0000644	309874.48	3917460.13	118.46	0.60	0.00132	8.00		3.72	1.40

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
LINE1	L0000645	308769.53	3917609.41	116.66	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000646	308804.52	3917608.44	116.66	0.60	0.00582	35.00	Surface-Based	16.28	1.40

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
LINE1	L0000647	308839.50	3917607.47	116.66	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000648	308874.49	3917606.50	116.66	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000649	308909.48	3917605.53	116.66	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000650	308944.46	3917604.56	116.66	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000651	308979.45	3917603.59	116.66	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000652	309014.44	3917602.62	116.66	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000653	309049.42	3917601.65	116.66	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000654	309084.41	3917600.68	116.66	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000655	309119.40	3917599.71	116.66	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000656	309154.38	3917598.74	116.71	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000657	309189.37	3917597.77	116.76	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000658	309224.36	3917596.81	116.76	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000659	309259.34	3917595.84	116.76	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000660	309294.33	3917594.87	116.72	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000661	309329.32	3917593.90	116.73	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000662	309364.30	3917592.93	116.74	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000663	309399.29	3917591.96	116.73	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000664	309434.28	3917590.99	116.74	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000665	309469.26	3917590.02	116.75	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000666	309504.25	3917589.05	117.02	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000667	309539.24	3917588.08	117.34	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000668	309574.22	3917587.11	117.63	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000669	309609.21	3917586.14	117.84	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000670	309644.20	3917585.17	117.97	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000671	309679.18	3917584.20	118.05	0.60	0.00582	35.00	Surface-Based	16.28	1.40

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
LINE1	L0000672	309714.17	3917583.24	118.15	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000673	309749.16	3917582.27	118.23	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000674	309784.14	3917581.30	118.34	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000675	309819.13	3917580.33	118.57	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000676	309854.11	3917579.36	119.04	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000677	309889.10	3917578.39	119.54	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000678	309924.09	3917577.42	119.72	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000679	309959.07	3917576.45	119.71	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000680	309994.06	3917575.48	119.54	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000681	310029.05	3917574.51	119.43	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000682	310064.03	3917573.54	119.58	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000683	310099.02	3917572.57	119.71	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000684	310134.01	3917571.60	119.70	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000685	310168.99	3917570.64	119.71	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000686	310203.98	3917569.67	119.71	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000687	310238.97	3917568.70	119.71	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000688	310273.95	3917567.73	119.74	0.60	0.00582	35.00	Surface-Based	16.28	1.40
	L0000689	310308.94	3917566.76	119.65	0.60	0.00582	35.00	Surface-Based	16.28	1.40

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
LINE2	L0000690	309966.52	3917958.84	118.24	0.60	0.00535	32.00	Surface-Based	14.88	1.40
	L0000691	309969.29	3917926.96	118.21	0.60	0.00535	32.00	Surface-Based	14.88	1.40
	L0000692	309972.06	3917895.08	118.26	0.60	0.00535	32.00	Surface-Based	14.88	1.40
	L0000693	309974.03	3917863.18	118.33	0.60	0.00535	32.00	Surface-Based	14.88	1.40
	L0000694	309973.08	3917831.19	118.39	0.60	0.00535	32.00	Surface-Based	14.88	1.40

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
LINE2	L0000695	309972.13	3917799.21	118.46	0.60	0.00535	32.00	Surface-Based	14.88	1.40
	L0000696	309971.18	3917767.22	118.53	0.60	0.00535	32.00	Surface-Based	14.88	1.40
	L0000697	309970.23	3917735.23	118.64	0.60	0.00535	32.00	Surface-Based	14.88	1.40
	L0000698	309969.28	3917703.25	118.80	0.60	0.00535	32.00	Surface-Based	14.88	1.40
	L0000699	309968.33	3917671.26	119.02	0.60	0.00535	32.00	Surface-Based	14.88	1.40
	L0000700	309967.37	3917639.28	119.27	0.60	0.00535	32.00	Surface-Based	14.88	1.40
	L0000701	309966.42	3917607.29	119.53	0.60	0.00535	32.00	Surface-Based	14.88	1.40
	L0000702	309965.47	3917575.31	119.72	0.60	0.00535	32.00	Surface-Based	14.88	1.40
	L0000703	309964.52	3917543.32	119.69	0.60	0.00535	32.00	Surface-Based	14.88	1.40
	L0000704	309963.57	3917511.33	119.65	0.60	0.00535	32.00	Surface-Based	14.88	1.40
	L0000705	309962.62	3917479.35	119.43	0.60	0.00535	32.00	Surface-Based	14.88	1.40
	L0000706	309961.67	3917447.36	118.63	0.60	0.00535	32.00	Surface-Based	14.88	1.40
	L0000707	309960.72	3917415.38	118.28	0.60	0.00535	32.00	Surface-Based	14.88	1.40
	L0000708	309959.76	3917383.39	118.27	0.60	0.00535	32.00	Surface-Based	14.88	1.40
	L0000709	309958.81	3917351.40	118.30	0.60	0.00535	32.00	Surface-Based	14.88	1.40
	L0000710	309957.86	3917319.42	118.35	0.60	0.00535	32.00	Surface-Based	14.88	1.40
	L0000711	309956.91	3917287.43	118.45	0.60	0.00535	32.00	Surface-Based	14.88	1.40
	L0000712	309955.61	3917255.49	118.56	0.60	0.00535	32.00	Surface-Based	14.88	1.40
	L0000713	309949.33	3917224.11	118.63	0.60	0.00535	32.00	Surface-Based	14.88	1.40
	L0000714	309943.06	3917192.73	118.66	0.60	0.00535	32.00	Surface-Based	14.88	1.40
	L0000715	309935.79	3917161.65	118.64	0.60	0.00535	32.00	Surface-Based	14.88	1.40
	L0000716	309923.46	3917132.12	118.58	0.60	0.00535	32.00	Surface-Based	14.88	1.40
	L0000717	309911.13	3917102.60	118.50	0.60	0.00535	32.00	Surface-Based	14.88	1.40
	L0000718	309898.80	3917073.07	118.43	0.60	0.00535	32.00	Surface-Based	14.88	1.40
	L0000719	309886.47	3917043.54	118.38	0.60	0.00535	32.00	Surface-Based	14.88	1.40

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
LINE2	L0000720	309874.14	3917014.01	118.36	0.60	0.00535	32.00	Surface-Based	14.88	1.40
	L0000721	309861.81	3916984.48	118.33	0.60	0.00535	32.00	Surface-Based	14.88	1.40
	L0000722	309849.95	3916954.78	118.32	0.60	0.00535	32.00	Surface-Based	14.88	1.40
	L0000723	309840.86	3916924.10	118.35	0.60	0.00535	32.00	Surface-Based	14.88	1.40
	L0000724	309831.77	3916893.42	118.50	0.60	0.00535	32.00	Surface-Based	14.88	1.40
	L0000725	309822.68	3916862.74	118.79	0.60	0.00535	32.00	Surface-Based	14.88	1.40
	L0000726	309814.54	3916831.88	119.17	0.60	0.00535	32.00	Surface-Based	14.88	1.40
	L0000727	309812.26	3916799.97	119.39	0.60	0.00535	32.00	Surface-Based	14.88	1.40
	L0000728	309809.98	3916768.05	119.38	0.60	0.00535	32.00	Surface-Based	14.88	1.40
	L0000729	309807.70	3916736.13	119.33	0.60	0.00535	32.00	Surface-Based	14.88	1.40

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
LINE3	L0000730	309167.28	3917963.86	118.24	0.60	0.00454	27.80		12.93	1.40
	L0000731	309166.78	3917936.07	118.07	0.60	0.00454	27.80		12.93	1.40
	L0000732	309166.29	3917908.27	117.92	0.60	0.00454	27.80		12.93	1.40
	L0000733	309165.80	3917880.48	117.73	0.60	0.00454	27.80		12.93	1.40
	L0000734	309165.30	3917852.68	117.51	0.60	0.00454	27.80		12.93	1.40
	L0000735	309164.81	3917824.89	117.31	0.60	0.00454	27.80		12.93	1.40
	L0000736	309164.32	3917797.09	117.13	0.60	0.00454	27.80		12.93	1.40
	L0000737	309163.82	3917769.29	116.95	0.60	0.00454	27.80		12.93	1.40
	L0000738	309163.33	3917741.50	116.82	0.60	0.00454	27.80		12.93	1.40
	L0000739	309162.84	3917713.70	116.79	0.60	0.00454	27.80		12.93	1.40
	L0000740	309162.34	3917685.91	116.78	0.60	0.00454	27.80		12.93	1.40
	L0000741	309161.85	3917658.11	116.76	0.60	0.00454	27.80		12.93	1.40
	L0000742	309161.36	3917630.32	116.75	0.60	0.00454	27.80		12.93	1.40

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
LINE4	L0000743	309141.33	3917048.54	117.19	0.60	0.00262	15.60		7.26	1.40
	L0000744	309141.81	3917064.14	117.27	0.60	0.00262	15.60		7.26	1.40
	L0000745	309142.30	3917079.73	117.33	0.60	0.00262	15.60		7.26	1.40
	L0000746	309142.79	3917095.32	117.38	0.60	0.00262	15.60		7.26	1.40
	L0000747	309143.27	3917110.91	117.43	0.60	0.00262	15.60		7.26	1.40
	L0000748	309143.76	3917126.51	117.50	0.60	0.00262	15.60		7.26	1.40
	L0000749	309144.25	3917142.10	117.54	0.60	0.00262	15.60		7.26	1.40
	L0000750	309144.74	3917157.69	117.55	0.60	0.00262	15.60		7.26	1.40
	L0000751	309145.22	3917173.28	117.55	0.60	0.00262	15.60		7.26	1.40
	L0000752	309145.71	3917188.88	117.52	0.60	0.00262	15.60		7.26	1.40
	L0000753	309146.20	3917204.47	117.49	0.60	0.00262	15.60		7.26	1.40
	L0000754	309146.69	3917220.06	117.45	0.60	0.00262	15.60		7.26	1.40
	L0000755	309147.17	3917235.65	117.41	0.60	0.00262	15.60		7.26	1.40
	L0000756	309147.66	3917251.25	117.37	0.60	0.00262	15.60		7.26	1.40
	L0000757	309148.15	3917266.84	117.33	0.60	0.00262	15.60		7.26	1.40
	L0000758	309148.63	3917282.43	117.29	0.60	0.00262	15.60		7.26	1.40
	L0000759	309149.12	3917298.02	117.25	0.60	0.00262	15.60		7.26	1.40
	L0000760	309149.61	3917313.62	117.20	0.60	0.00262	15.60		7.26	1.40
	L0000761	309150.10	3917329.21	117.16	0.60	0.00262	15.60		7.26	1.40
	L0000762	309150.58	3917344.80	117.11	0.60	0.00262	15.60		7.26	1.40
	L0000763	309151.07	3917360.39	117.08	0.60	0.00262	15.60		7.26	1.40
	L0000764	309151.56	3917375.98	117.04	0.60	0.00262	15.60		7.26	1.40
	L0000765	309152.04	3917391.58	117.02	0.60	0.00262	15.60		7.26	1.40
	L0000766	309152.53	3917407.17	117.00	0.60	0.00262	15.60		7.26	1.40
	L0000767	309153.02	3917422.76	116.97	0.60	0.00262	15.60		7.26	1.40

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
LINE4	L0000768	309153.51	3917438.35	116.95	0.60	0.00262	15.60		7.26	1.40
	L0000769	309153.99	3917453.95	116.91	0.60	0.00262	15.60		7.26	1.40
	L0000770	309154.48	3917469.54	116.88	0.60	0.00262	15.60		7.26	1.40
	L0000771	309154.97	3917485.13	116.84	0.60	0.00262	15.60		7.26	1.40
	L0000772	309155.46	3917500.72	116.81	0.60	0.00262	15.60		7.26	1.40
	L0000773	309155.94	3917516.32	116.76	0.60	0.00262	15.60		7.26	1.40
	L0000774	309156.43	3917531.91	116.72	0.60	0.00262	15.60		7.26	1.40
	L0000775	309156.92	3917547.50	116.70	0.60	0.00262	15.60		7.26	1.40
	L0000776	309157.40	3917563.09	116.69	0.60	0.00262	15.60		7.26	1.40

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
LINE5	L0000777	308922.70	3917137.78	117.05	0.60	0.00212	12.50		5.81	1.40
	L0000778	308935.19	3917137.39	117.05	0.60	0.00212	12.50		5.81	1.40
	L0000779	308947.69	3917137.01	117.05	0.60	0.00212	12.50		5.81	1.40
	L0000780	308960.18	3917136.62	117.06	0.60	0.00212	12.50		5.81	1.40
	L0000781	308972.67	3917136.23	117.07	0.60	0.00212	12.50		5.81	1.40
	L0000782	308985.17	3917135.84	117.08	0.60	0.00212	12.50		5.81	1.40
	L0000783	308997.66	3917135.45	117.09	0.60	0.00212	12.50		5.81	1.40
	L0000784	309010.16	3917135.06	117.11	0.60	0.00212	12.50		5.81	1.40
	L0000785	309022.65	3917134.67	117.12	0.60	0.00212	12.50		5.81	1.40
	L0000786	309035.14	3917134.29	117.14	0.60	0.00212	12.50		5.81	1.40
	L0000787	309047.64	3917133.90	117.17	0.60	0.00212	12.50		5.81	1.40
	L0000788	309060.13	3917133.51	117.20	0.60	0.00212	12.50		5.81	1.40
	L0000789	309072.63	3917133.12	117.23	0.60	0.00212	12.50		5.81	1.40
	L0000790	309085.12	3917132.73	117.27	0.60	0.00212	12.50		5.81	1.40

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
LINE5	L0000791	309097.61	3917132.34	117.31	0.60	0.00212	12.50		5.81	1.40
	L0000792	309110.11	3917131.96	117.35	0.60	0.00212	12.50		5.81	1.40
	L0000793	309122.60	3917131.57	117.41	0.60	0.00212	12.50		5.81	1.40

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
LINE6	L0000794	309038.92	3917050.53	117.15	0.60	0.00213	12.50		5.81	1.40
	L0000795	309051.41	3917049.97	117.13	0.60	0.00213	12.50		5.81	1.40
	L0000796	309063.90	3917049.42	117.13	0.60	0.00213	12.50		5.81	1.40
	L0000797	309076.39	3917048.86	117.13	0.60	0.00213	12.50		5.81	1.40
	L0000798	309088.87	3917048.31	117.13	0.60	0.00213	12.50		5.81	1.40
	L0000799	309101.36	3917047.75	117.13	0.60	0.00213	12.50		5.81	1.40
	L0000800	309113.85	3917047.20	117.14	0.60	0.00213	12.50		5.81	1.40
	L0000801	309126.34	3917046.64	117.15	0.60	0.00213	12.50		5.81	1.40

Source Pathway

Building Downwash Information

Option not in use

Emission Rate Units for Output

For Concentration

Unit Factor:	1E6
Emission Unit Label:	GRAMS/SEC
Concentration Unit Label:	MICROGRAMS/M**3

Source Pathway

Source Groups

Source Group ID: Mobile	List of Sources in Group (Source Range or Single Sources)
	LINE1
	LINE2
	LINE3
	LINE4
	LINE5
	LINE6
	SLINE1

Source Group ID: Energy	List of Sources in Group (Source Range or Single Sources)
	MAJA
	SHP1
	SHP2
	PAD3
	PAD5
	PAD7
	PAD9
	PAD10
	PAD11
	PAD12
	PAD14
	PAD1
	MAJB
	MAJC
	MAJD
	MAJE
	MAJF
	MAJG
	MAJH
	MAJI
	MAJJ
	PAD2
	PAD4
	PAD6
	PAD8
	PAD13
	V1
	V2
	V3

Source Group ID: Area	List of Sources in Group (Source Range or Single Sources)
	PAREA1

Source Pathway

Receptor Pathway

Receptor Networks

Note: Terrain Elavations and Flagpole Heights for Network Grids are in Page RE2 - 1 (If applicable)
Generated Discrete Receptors for Multi-Tier (Risk) Grid and Receptor Locations for Fenceline Grid are in Page RE3 - 1 (If applicable)

Discrete Receptors

Plant Boundary Receptors

Cartesian Plant Boundary

Primary

Record Number	X-Coordinate [m]	Y-Coordinate [m]	Group Name (Optional)	Terrain Elevations	Flagpole Heights [m] (Optional)
1	309182.00	3917409.60	FENCEPRI	116.78	
2	309182.00	3917444.31	FENCEPRI	116.77	
3	309234.07	3917443.56	FENCEPRI	116.69	
4	309235.58	3917565.81	FENCEPRI	116.69	
5	309938.14	3917544.68	FENCEPRI	119.63	
6	309936.63	3917233.77	FENCEPRI	118.61	
7	309916.26	3917159.81	FENCEPRI	118.59	
8	309907.96	3917131.14	FENCEPRI	118.53	
9	309860.42	3917113.03	FENCEPRI	118.37	
10	309853.63	3917083.60	FENCEPRI	118.29	
11	309676.29	3917085.86	FENCEPRI	118.03	
12	309680.81	3917401.30	FENCEPRI	117.86	

Intermediate

Record Number	X-Coordinate [m]	Y-Coordinate [m]	Group Name (Optional)	Terrain Elevations	Flagpole Heights [m] (Optional)
1	309182.00	3917426.96	FENCEINT	116.78	
2	309199.36	3917444.06	FENCEINT	116.69	
3	309216.71	3917443.81	FENCEINT	116.69	
4	309234.37	3917468.01	FENCEINT	116.69	
5	309234.67	3917492.46	FENCEINT	116.69	
6	309234.98	3917516.91	FENCEINT	116.69	
7	309235.28	3917541.36	FENCEINT	116.69	
8	309259.81	3917565.08	FENCEINT	116.70	
9	309284.03	3917564.35	FENCEINT	116.71	
10	309308.26	3917563.62	FENCEINT	116.74	
11	309332.48	3917562.90	FENCEINT	116.79	
12	309356.71	3917562.17	FENCEINT	116.83	
13	309380.94	3917561.44	FENCEINT	116.84	
14	309405.16	3917560.71	FENCEINT	116.85	

Receptor Pathway

15	309429.39	3917559.98	FENCEINT	116.85	
16	309453.62	3917559.25	FENCEINT	116.86	
17	309477.84	3917558.52	FENCEINT	116.91	
18	309502.07	3917557.80	FENCEINT	117.04	
19	309526.29	3917557.07	FENCEINT	117.23	
20	309550.52	3917556.34	FENCEINT	117.43	
21	309574.75	3917555.61	FENCEINT	117.61	
22	309598.97	3917554.88	FENCEINT	117.76	
23	309623.20	3917554.15	FENCEINT	117.87	
24	309647.43	3917553.42	FENCEINT	117.96	
25	309671.65	3917552.69	FENCEINT	118.04	
26	309695.88	3917551.97	FENCEINT	118.11	
27	309720.10	3917551.24	FENCEINT	118.17	
28	309744.33	3917550.51	FENCEINT	118.26	
29	309768.56	3917549.78	FENCEINT	118.37	
30	309792.78	3917549.05	FENCEINT	118.46	
31	309817.01	3917548.32	FENCEINT	118.57	
32	309841.24	3917547.59	FENCEINT	118.81	
33	309865.46	3917546.87	FENCEINT	119.15	
34	309889.69	3917546.14	FENCEINT	119.45	
35	309913.91	3917545.41	FENCEINT	119.59	
36	309938.02	3917520.76	FENCEINT	119.50	
37	309937.91	3917496.85	FENCEINT	119.44	
38	309937.79	3917472.93	FENCEINT	119.09	
39	309937.68	3917449.02	FENCEINT	118.62	
40	309937.56	3917425.10	FENCEINT	118.27	
41	309937.44	3917401.18	FENCEINT	118.27	
42	309937.33	3917377.27	FENCEINT	118.26	
43	309937.21	3917353.35	FENCEINT	118.27	
44	309937.09	3917329.43	FENCEINT	118.29	
45	309936.98	3917305.52	FENCEINT	118.36	
46	309936.86	3917281.60	FENCEINT	118.46	
47	309936.75	3917257.69	FENCEINT	118.55	
48	309931.54	3917215.28	FENCEINT	118.63	
49	309926.45	3917196.79	FENCEINT	118.63	
50	309921.35	3917178.30	FENCEINT	118.62	
51	309912.11	3917145.48	FENCEINT	118.57	
52	309892.11	3917125.10	FENCEINT	118.48	
53	309876.27	3917119.07	FENCEINT	118.43	
54	309857.03	3917098.32	FENCEINT	118.33	
55	309831.46	3917083.88	FENCEINT	118.23	

Receptor Pathway

56	309809.30	3917084.17	FENCEINT	118.18	
57	309787.13	3917084.45	FENCEINT	118.13	
58	309764.96	3917084.73	FENCEINT	118.05	
59	309742.79	3917085.01	FENCEINT	118.06	
60	309720.63	3917085.30	FENCEINT	118.05	
61	309698.46	3917085.58	FENCEINT	118.03	
62	309676.64	3917110.12	FENCEINT	118.02	
63	309676.99	3917134.39	FENCEINT	118.01	
64	309677.33	3917158.65	FENCEINT	118.00	
65	309677.68	3917182.92	FENCEINT	118.01	
66	309678.03	3917207.18	FENCEINT	118.05	
67	309678.38	3917231.45	FENCEINT	118.07	
68	309678.72	3917255.71	FENCEINT	118.06	
69	309679.07	3917279.98	FENCEINT	118.02	
70	309679.42	3917304.24	FENCEINT	117.96	
71	309679.77	3917328.51	FENCEINT	117.91	
72	309680.11	3917352.77	FENCEINT	117.89	
73	309680.46	3917377.04	FENCEINT	117.87	
74	309655.87	3917401.72	FENCEINT	117.80	
75	309630.93	3917402.13	FENCEINT	117.74	
76	309605.99	3917402.55	FENCEINT	117.67	
77	309581.05	3917402.96	FENCEINT	117.59	
78	309556.11	3917403.38	FENCEINT	117.52	
79	309531.17	3917403.79	FENCEINT	117.48	
80	309506.23	3917404.21	FENCEINT	117.43	
81	309481.29	3917404.62	FENCEINT	117.39	
82	309456.35	3917405.04	FENCEINT	117.37	
83	309431.41	3917405.45	FENCEINT	117.11	
84	309406.46	3917405.87	FENCEINT	116.69	
85	309381.52	3917406.28	FENCEINT	116.69	
86	309356.58	3917406.70	FENCEINT	116.69	
87	309331.64	3917407.11	FENCEINT	116.69	
88	309306.70	3917407.53	FENCEINT	116.69	
89	309281.76	3917407.94	FENCEINT	116.69	
90	309256.82	3917408.36	FENCEINT	116.69	
91	309231.88	3917408.77	FENCEINT	116.69	
92	309206.94	3917409.19	FENCEINT	116.69	

Receptor Pathway

Fenceline Grid

Grid Settings

Fenceline Spacing [m]:	25.00
Number of Tired Segments:	3

Segment Number	Distance from Fenceline [m]	Spacing [m]
1	100.00	25.00

Segment Number	Distance from Fenceline [m]	Spacing [m]
2	150.00	50.00
3	250.00	100.00

Receptor Groups

Record Number	Group ID	Group Description
1	FENCEPRI	Cartesian plant boundary Primary Receptors
2	FENCEINT	Cartesian plant boundary Intermediate Receptors
3	FENCEGRD	Receptors generated from Fenceline Grid

Receptor Pathway

Multi-Tier Grid (Risk)

Fenceline Grid

Grid Settings

Fenceline Spacing [m]:	25.00
Number of Tired Segments:	3

Segment Number	Distance from Fenceline [m]	Spacing [m]
1	100.00	25.00

Segment Number	Distance from Fenceline [m]	Spacing [m]
2	150.00	50.00
3	250.00	100.00

Generated Receptor Locations

Record Number	Location: X-Coord. [m]	Location: Y-Coord. [m]	Group Name (Optional)	Terrain Elevations (Optional)	Flagpole Heights [m] (Optional)
1	309173.41	3917465.71	FENCEGRD	116.83	Option not Selected
2	309199.72	3917469.06	FENCEGRD	116.69	
3	309170.78	3917489.51	FENCEGRD	116.81	
4	309141.93	3917468.05	FENCEGRD	116.86	
5	309200.08	3917494.05	FENCEGRD	116.69	
6	309169.65	3917513.91	FENCEGRD	116.77	
7	309142.78	3917503.12	FENCEGRD	116.78	
8	309123.76	3917484.37	FENCEGRD	116.79	
9	309112.59	3917457.66	FENCEGRD	116.81	
10	309200.44	3917519.05	FENCEGRD	116.69	
11	309169.11	3917538.55	FENCEGRD	116.71	
12	309140.46	3917527.04	FENCEGRD	116.71	
13	309105.84	3917501.28	FENCEGRD	116.71	
14	309093.92	3917472.80	FENCEGRD	116.74	
15	309200.80	3917544.05	FENCEGRD	116.69	
16	309168.81	3917588.13	FENCEGRD	116.74	
17	309138.11	3917575.80	FENCEGRD	116.67	
18	309107.40	3917563.47	FENCEGRD	116.66	
19	309070.31	3917535.88	FENCEGRD	116.66	
20	309057.54	3917505.35	FENCEGRD	116.66	
21	309044.77	3917474.83	FENCEGRD	116.66	
22	309201.52	3917594.04	FENCEGRD	116.76	
23	309236.23	3917593.54	FENCEGRD	116.76	
24	309168.96	3917637.90	FENCEGRD	116.76	

Receptor Pathway

AERMOD

Record Number	Location: X-Coord. [m]	Location: Y-Coord. [m]	Group Name (Optional)	Terrain Elevations (Optional)	Flagpole Heights [m] (Optional)
25	309137.12	3917625.11	FENCEGRD	116.70	Option not Selected
26	309105.28	3917612.32	FENCEGRD	116.66	
27	309073.44	3917599.53	FENCEGRD	116.66	
28	309034.98	3917570.92	FENCEGRD	116.66	
29	309021.73	3917539.27	FENCEGRD	116.66	
30	309008.49	3917507.61	FENCEGRD	116.65	
31	308995.24	3917475.96	FENCEGRD	116.62	
32	309202.24	3917644.04	FENCEGRD	116.79	
33	309236.95	3917643.54	FENCEGRD	116.78	
34	309170.68	3917688.29	FENCEGRD	116.78	
35	309140.83	3917676.30	FENCEGRD	116.76	
36	309110.98	3917664.31	FENCEGRD	116.76	
37	309081.13	3917652.33	FENCEGRD	116.71	
38	309051.28	3917640.34	FENCEGRD	116.68	
39	309021.43	3917628.35	FENCEGRD	116.66	
40	309000.29	3917607.52	FENCEGRD	116.66	
41	308987.88	3917577.84	FENCEGRD	116.66	
42	308975.46	3917548.17	FENCEGRD	116.66	
43	308963.04	3917518.50	FENCEGRD	116.66	
44	308950.63	3917488.82	FENCEGRD	116.63	
45	308938.21	3917459.15	FENCEGRD	116.60	
46	309202.96	3917694.03	FENCEGRD	116.76	
47	309237.67	3917693.53	FENCEGRD	116.77	
48	309170.88	3917771.22	FENCEGRD	116.99	
49	309139.04	3917758.43	FENCEGRD	116.84	
50	309107.20	3917745.64	FENCEGRD	116.79	
51	309075.36	3917732.85	FENCEGRD	116.77	
52	309043.52	3917720.07	FENCEGRD	116.81	
53	309011.68	3917707.28	FENCEGRD	116.78	
54	308979.84	3917694.49	FENCEGRD	116.79	
55	308941.38	3917665.88	FENCEGRD	116.72	
56	308928.13	3917634.22	FENCEGRD	116.66	
57	308914.89	3917602.57	FENCEGRD	116.66	
58	308901.65	3917570.92	FENCEGRD	116.66	
59	308888.40	3917539.27	FENCEGRD	116.66	
60	308875.16	3917507.61	FENCEGRD	116.66	
61	308861.91	3917475.96	FENCEGRD	116.61	
62	309204.16	3917777.36	FENCEGRD	117.14	
63	309238.87	3917776.86	FENCEGRD	117.23	

Receptor Pathway

Record Number	Location: X-Coord. [m]	Location: Y-Coord. [m]	Group Name (Optional)	Terrain Elevations (Optional)	Flagpole Heights [m] (Optional)
64	309172.29	3917854.62	FENCEGRD	117.55	Option not Selected
65	309140.87	3917842.00	FENCEGRD	117.29	
66	309109.45	3917829.39	FENCEGRD	116.96	
67	309078.03	3917816.77	FENCEGRD	116.81	
68	309046.61	3917804.15	FENCEGRD	116.80	
69	309015.19	3917791.53	FENCEGRD	116.81	
70	308983.76	3917778.91	FENCEGRD	116.82	
71	308952.34	3917766.29	FENCEGRD	116.80	
72	308920.92	3917753.67	FENCEGRD	116.80	
73	308882.97	3917725.43	FENCEGRD	116.80	
74	308869.90	3917694.20	FENCEGRD	116.76	
75	308856.83	3917662.96	FENCEGRD	116.66	
76	308843.76	3917631.73	FENCEGRD	116.66	
77	308830.69	3917600.49	FENCEGRD	116.66	
78	308817.61	3917569.25	FENCEGRD	116.66	
79	308804.54	3917538.02	FENCEGRD	116.66	
80	308791.47	3917506.78	FENCEGRD	116.65	
81	308778.40	3917475.55	FENCEGRD	116.61	
82	309205.36	3917860.68	FENCEGRD	117.68	
83	309240.07	3917860.18	FENCEGRD	117.80	
84	309173.63	3917938.00	FENCEGRD	118.06	
85	309142.48	3917925.49	FENCEGRD	118.07	
86	309111.33	3917912.98	FENCEGRD	117.99	
87	309080.18	3917900.48	FENCEGRD	117.74	
88	309049.04	3917887.97	FENCEGRD	117.36	
89	309017.89	3917875.46	FENCEGRD	117.13	
90	308986.74	3917862.95	FENCEGRD	116.94	
91	308955.59	3917850.44	FENCEGRD	116.81	
92	308924.45	3917837.93	FENCEGRD	116.86	
93	308893.30	3917825.42	FENCEGRD	117.00	
94	308862.15	3917812.91	FENCEGRD	117.15	
95	308824.52	3917784.92	FENCEGRD	117.07	
96	308811.57	3917753.95	FENCEGRD	116.80	
97	308798.61	3917722.99	FENCEGRD	116.77	
98	308785.65	3917692.02	FENCEGRD	116.74	
99	308772.70	3917661.06	FENCEGRD	116.66	
100	308759.74	3917630.10	FENCEGRD	116.66	
101	308746.78	3917599.13	FENCEGRD	116.66	
102	308733.83	3917568.17	FENCEGRD	116.66	

Receptor Pathway

Record Number	Location: X-Coord. [m]	Location: Y-Coord. [m]	Group Name (Optional)	Terrain Elevations (Optional)	Flagpole Heights [m] (Optional)
103	308720.87	3917537.20	FENCEGRD	116.66	Option not Selected
104	308707.91	3917506.24	FENCEGRD	116.64	
105	308694.96	3917475.27	FENCEGRD	116.57	
106	309206.56	3917944.01	FENCEGRD	118.10	
107	309241.27	3917943.51	FENCEGRD	118.17	
108	309210.58	3917566.12	FENCEGRD	116.69	
109	309185.58	3917566.43	FENCEGRD	116.69	
110	309159.08	3917444.49	FENCEGRD	116.94	
111	309160.59	3917566.74	FENCEGRD	116.69	
112	309134.08	3917444.80	FENCEGRD	116.89	
113	309084.08	3917445.41	FENCEGRD	116.77	
114	309084.99	3917518.76	FENCEGRD	116.66	
115	309034.09	3917446.03	FENCEGRD	116.66	
116	309034.69	3917494.93	FENCEGRD	116.65	
117	309034.99	3917519.38	FENCEGRD	116.65	
118	308984.09	3917446.65	FENCEGRD	116.61	
119	308900.76	3917447.68	FENCEGRD	116.58	
120	308901.06	3917472.13	FENCEGRD	116.60	
121	308901.37	3917496.58	FENCEGRD	116.64	
122	308901.67	3917521.03	FENCEGRD	116.66	
123	308817.44	3917448.71	FENCEGRD	116.56	
124	308817.74	3917473.16	FENCEGRD	116.62	
125	308818.04	3917497.61	FENCEGRD	116.65	
126	308734.11	3917449.74	FENCEGRD	116.52	
127	308734.41	3917474.19	FENCEGRD	116.59	
128	308734.71	3917498.64	FENCEGRD	116.64	
129	309260.56	3917590.07	FENCEGRD	116.75	
130	309284.78	3917589.34	FENCEGRD	116.73	
131	309309.01	3917588.61	FENCEGRD	116.72	
132	309333.24	3917587.88	FENCEGRD	116.74	
133	309357.46	3917587.16	FENCEGRD	116.76	
134	309381.69	3917586.43	FENCEGRD	116.75	
135	309405.92	3917585.70	FENCEGRD	116.75	
136	309430.14	3917584.97	FENCEGRD	116.77	
137	309454.37	3917584.24	FENCEGRD	116.77	
138	309478.59	3917583.51	FENCEGRD	116.83	
139	309502.82	3917582.78	FENCEGRD	117.02	
140	309527.05	3917582.06	FENCEGRD	117.24	
141	309551.27	3917581.33	FENCEGRD	117.44	

Receptor Pathway

Record Number	Location: X-Coord. [m]	Location: Y-Coord. [m]	Group Name (Optional)	Terrain Elevations (Optional)	Flagpole Heights [m] (Optional)
142	309575.50	3917580.60	FENCEGRD	117.63	Option not Selected
143	309599.72	3917579.87	FENCEGRD	117.78	
144	309623.95	3917579.14	FENCEGRD	117.90	
145	309648.18	3917578.41	FENCEGRD	117.98	
146	309672.40	3917577.68	FENCEGRD	118.04	
147	309696.63	3917576.95	FENCEGRD	118.10	
148	309720.86	3917576.23	FENCEGRD	118.17	
149	309745.08	3917575.50	FENCEGRD	118.23	
150	309769.31	3917574.77	FENCEGRD	118.29	
151	309793.53	3917574.04	FENCEGRD	118.41	
152	309817.76	3917573.31	FENCEGRD	118.57	
153	309841.99	3917572.58	FENCEGRD	118.85	
154	309866.21	3917571.85	FENCEGRD	119.23	
155	309890.44	3917571.13	FENCEGRD	119.54	
156	309914.67	3917570.40	FENCEGRD	119.68	
157	309938.89	3917569.67	FENCEGRD	119.70	
158	309219.03	3917608.85	FENCEGRD	116.76	
159	309261.31	3917615.06	FENCEGRD	116.76	
160	309285.54	3917614.33	FENCEGRD	116.74	
161	309309.76	3917613.60	FENCEGRD	116.73	
162	309333.99	3917612.87	FENCEGRD	116.73	
163	309358.21	3917612.14	FENCEGRD	116.73	
164	309382.44	3917611.42	FENCEGRD	116.73	
165	309406.67	3917610.69	FENCEGRD	116.73	
166	309430.89	3917609.96	FENCEGRD	116.74	
167	309455.12	3917609.23	FENCEGRD	116.74	
168	309479.35	3917608.50	FENCEGRD	116.81	
169	309503.57	3917607.77	FENCEGRD	117.02	
170	309527.80	3917607.04	FENCEGRD	117.27	
171	309552.02	3917606.32	FENCEGRD	117.47	
172	309576.25	3917605.59	FENCEGRD	117.66	
173	309600.48	3917604.86	FENCEGRD	117.80	
174	309624.70	3917604.13	FENCEGRD	117.92	
175	309648.93	3917603.40	FENCEGRD	117.99	
176	309673.15	3917602.67	FENCEGRD	118.04	
177	309697.38	3917601.94	FENCEGRD	118.10	
178	309721.61	3917601.21	FENCEGRD	118.17	
179	309745.83	3917600.49	FENCEGRD	118.20	
180	309770.06	3917599.76	FENCEGRD	118.23	

Receptor Pathway

Record Number	Location: X-Coord. [m]	Location: Y-Coord. [m]	Group Name (Optional)	Terrain Elevations (Optional)	Flagpole Heights [m] (Optional)
181	309794.29	3917599.03	FENCEGRD	118.33	Option not Selected
182	309818.51	3917598.30	FENCEGRD	118.55	
183	309842.74	3917597.57	FENCEGRD	118.85	
184	309866.96	3917596.84	FENCEGRD	119.20	
185	309891.19	3917596.11	FENCEGRD	119.47	
186	309915.42	3917595.39	FENCEGRD	119.58	
187	309939.64	3917594.66	FENCEGRD	119.62	
188	309262.06	3917640.05	FENCEGRD	116.76	
189	309286.29	3917639.32	FENCEGRD	116.74	
190	309310.51	3917638.59	FENCEGRD	116.74	
191	309334.74	3917637.86	FENCEGRD	116.74	
192	309358.97	3917637.13	FENCEGRD	116.74	
193	309383.19	3917636.40	FENCEGRD	116.74	
194	309407.42	3917635.68	FENCEGRD	116.74	
195	309431.64	3917634.95	FENCEGRD	116.75	
196	309455.87	3917634.22	FENCEGRD	116.75	
197	309480.10	3917633.49	FENCEGRD	116.81	
198	309504.32	3917632.76	FENCEGRD	117.01	
199	309528.55	3917632.03	FENCEGRD	117.27	
200	309552.78	3917631.30	FENCEGRD	117.48	
201	309577.00	3917630.58	FENCEGRD	117.67	
202	309601.23	3917629.85	FENCEGRD	117.81	
203	309625.45	3917629.12	FENCEGRD	117.93	
204	309649.68	3917628.39	FENCEGRD	118.00	
205	309673.91	3917627.66	FENCEGRD	118.06	
206	309698.13	3917626.93	FENCEGRD	118.12	
207	309722.36	3917626.20	FENCEGRD	118.18	
208	309746.59	3917625.48	FENCEGRD	118.22	
209	309770.81	3917624.75	FENCEGRD	118.24	
210	309795.04	3917624.02	FENCEGRD	118.32	
211	309819.26	3917623.29	FENCEGRD	118.53	
212	309843.49	3917622.56	FENCEGRD	118.81	
213	309867.72	3917621.83	FENCEGRD	119.09	
214	309891.94	3917621.10	FENCEGRD	119.28	
215	309916.17	3917620.37	FENCEGRD	119.37	
216	309940.39	3917619.65	FENCEGRD	119.43	
217	309150.99	3917602.52	FENCEGRD	116.71	
218	309262.81	3917665.04	FENCEGRD	116.75	
219	309287.04	3917664.31	FENCEGRD	116.76	

Receptor Pathway

AERMOD

Record Number	Location: X-Coord. [m]	Location: Y-Coord. [m]	Group Name (Optional)	Terrain Elevations (Optional)	Flagpole Heights [m] (Optional)
220	309311.26	3917663.58	FENCEGRD	116.78	Option not Selected
221	309335.49	3917662.85	FENCEGRD	116.80	
222	309359.72	3917662.12	FENCEGRD	116.80	
223	309383.94	3917661.39	FENCEGRD	116.80	
224	309408.17	3917660.66	FENCEGRD	116.80	
225	309432.40	3917659.94	FENCEGRD	116.81	
226	309456.62	3917659.21	FENCEGRD	116.81	
227	309480.85	3917658.48	FENCEGRD	116.85	
228	309505.07	3917657.75	FENCEGRD	117.01	
229	309529.30	3917657.02	FENCEGRD	117.25	
230	309553.53	3917656.29	FENCEGRD	117.46	
231	309577.75	3917655.56	FENCEGRD	117.66	
232	309601.98	3917654.84	FENCEGRD	117.82	
233	309626.21	3917654.11	FENCEGRD	117.94	
234	309650.43	3917653.38	FENCEGRD	118.03	
235	309674.66	3917652.65	FENCEGRD	118.10	
236	309698.88	3917651.92	FENCEGRD	118.15	
237	309723.11	3917651.19	FENCEGRD	118.21	
238	309747.34	3917650.46	FENCEGRD	118.29	
239	309771.56	3917649.74	FENCEGRD	118.34	
240	309795.79	3917649.01	FENCEGRD	118.40	
241	309820.02	3917648.28	FENCEGRD	118.54	
242	309844.24	3917647.55	FENCEGRD	118.73	
243	309868.47	3917646.82	FENCEGRD	118.93	
244	309892.69	3917646.09	FENCEGRD	119.06	
245	309916.92	3917645.36	FENCEGRD	119.15	
246	309941.15	3917644.63	FENCEGRD	119.22	
247	309094.83	3917588.95	FENCEGRD	116.66	
248	309264.32	3917715.01	FENCEGRD	116.88	
249	309288.54	3917714.28	FENCEGRD	116.96	
250	309312.77	3917713.56	FENCEGRD	117.03	
251	309336.99	3917712.83	FENCEGRD	117.06	
252	309361.22	3917712.10	FENCEGRD	117.08	
253	309385.45	3917711.37	FENCEGRD	117.10	
254	309409.67	3917710.64	FENCEGRD	117.10	
255	309433.90	3917709.91	FENCEGRD	117.08	
256	309458.13	3917709.18	FENCEGRD	117.07	
257	309482.35	3917708.46	FENCEGRD	117.09	
258	309506.58	3917707.73	FENCEGRD	117.18	

Receptor Pathway

Record Number	Location: X-Coord. [m]	Location: Y-Coord. [m]	Group Name (Optional)	Terrain Elevations (Optional)	Flagpole Heights [m] (Optional)
259	309530.80	3917707.00	FENCEGRD	117.32	Option not Selected
260	309555.03	3917706.27	FENCEGRD	117.47	
261	309579.26	3917705.54	FENCEGRD	117.63	
262	309603.48	3917704.81	FENCEGRD	117.77	
263	309627.71	3917704.08	FENCEGRD	117.90	
264	309651.93	3917703.36	FENCEGRD	118.01	
265	309676.16	3917702.63	FENCEGRD	118.11	
266	309700.39	3917701.90	FENCEGRD	118.18	
267	309724.61	3917701.17	FENCEGRD	118.24	
268	309748.84	3917700.44	FENCEGRD	118.30	
269	309773.07	3917699.71	FENCEGRD	118.39	
270	309797.29	3917698.98	FENCEGRD	118.46	
271	309821.52	3917698.26	FENCEGRD	118.52	
272	309845.74	3917697.53	FENCEGRD	118.59	
273	309869.97	3917696.80	FENCEGRD	118.64	
274	309894.20	3917696.07	FENCEGRD	118.69	
275	309918.42	3917695.34	FENCEGRD	118.75	
276	309942.65	3917694.61	FENCEGRD	118.81	
277	309220.96	3917757.79	FENCEGRD	117.05	
278	309179.71	3917741.92	FENCEGRD	116.85	
279	309138.45	3917726.06	FENCEGRD	116.80	
280	309088.39	3917689.92	FENCEGRD	116.76	
281	309265.82	3917764.99	FENCEGRD	117.23	
282	309290.04	3917764.26	FENCEGRD	117.28	
283	309314.27	3917763.53	FENCEGRD	117.33	
284	309338.50	3917762.81	FENCEGRD	117.37	
285	309362.72	3917762.08	FENCEGRD	117.39	
286	309386.95	3917761.35	FENCEGRD	117.40	
287	309411.18	3917760.62	FENCEGRD	117.40	
288	309435.40	3917759.89	FENCEGRD	117.39	
289	309459.63	3917759.16	FENCEGRD	117.39	
290	309483.85	3917758.43	FENCEGRD	117.40	
291	309508.08	3917757.70	FENCEGRD	117.44	
292	309532.31	3917756.98	FENCEGRD	117.50	
293	309556.53	3917756.25	FENCEGRD	117.57	
294	309580.76	3917755.52	FENCEGRD	117.65	
295	309604.99	3917754.79	FENCEGRD	117.73	
296	309629.21	3917754.06	FENCEGRD	117.81	
297	309653.44	3917753.33	FENCEGRD	117.89	

Receptor Pathway

Record Number	Location: X-Coord. [m]	Location: Y-Coord. [m]	Group Name (Optional)	Terrain Elevations (Optional)	Flagpole Heights [m] (Optional)
298	309677.66	3917752.60	FENCEGRD	117.98	Option not Selected
299	309701.89	3917751.88	FENCEGRD	118.06	
300	309726.12	3917751.15	FENCEGRD	118.12	
301	309750.34	3917750.42	FENCEGRD	118.17	
302	309774.57	3917749.69	FENCEGRD	118.23	
303	309798.80	3917748.96	FENCEGRD	118.27	
304	309823.02	3917748.23	FENCEGRD	118.30	
305	309847.25	3917747.50	FENCEGRD	118.32	
306	309871.47	3917746.78	FENCEGRD	118.36	
307	309895.70	3917746.05	FENCEGRD	118.41	
308	309919.93	3917745.32	FENCEGRD	118.46	
309	309944.15	3917744.59	FENCEGRD	118.52	
310	309220.53	3917807.02	FENCEGRD	117.38	
311	309085.15	3917754.97	FENCEGRD	116.79	
312	309033.72	3917679.77	FENCEGRD	116.75	
313	309024.10	3917657.60	FENCEGRD	116.72	
314	309243.10	3917815.70	FENCEGRD	117.53	
315	309267.32	3917814.97	FENCEGRD	117.61	
316	309291.55	3917814.24	FENCEGRD	117.68	
317	309315.77	3917813.51	FENCEGRD	117.73	
318	309340.00	3917812.78	FENCEGRD	117.76	
319	309364.23	3917812.05	FENCEGRD	117.78	
320	309388.45	3917811.33	FENCEGRD	117.77	
321	309412.68	3917810.60	FENCEGRD	117.74	
322	309436.91	3917809.87	FENCEGRD	117.71	
323	309461.13	3917809.14	FENCEGRD	117.70	
324	309485.36	3917808.41	FENCEGRD	117.70	
325	309509.58	3917807.68	FENCEGRD	117.71	
326	309533.81	3917806.95	FENCEGRD	117.71	
327	309558.04	3917806.22	FENCEGRD	117.71	
328	309582.26	3917805.50	FENCEGRD	117.73	
329	309606.49	3917804.77	FENCEGRD	117.75	
330	309630.71	3917804.04	FENCEGRD	117.78	
331	309654.94	3917803.31	FENCEGRD	117.80	
332	309679.17	3917802.58	FENCEGRD	117.83	
333	309703.39	3917801.85	FENCEGRD	117.86	
334	309727.62	3917801.12	FENCEGRD	117.91	
335	309751.85	3917800.40	FENCEGRD	117.97	
336	309776.07	3917799.67	FENCEGRD	118.00	

Receptor Pathway

Record Number	Location: X-Coord. [m]	Location: Y-Coord. [m]	Group Name (Optional)	Terrain Elevations (Optional)	Flagpole Heights [m] (Optional)
337	309800.30	3917798.94	FENCEGRD	118.04	Option not Selected
338	309824.52	3917798.21	FENCEGRD	118.07	
339	309848.75	3917797.48	FENCEGRD	118.10	
340	309872.98	3917796.75	FENCEGRD	118.15	
341	309897.20	3917796.02	FENCEGRD	118.19	
342	309921.43	3917795.30	FENCEGRD	118.26	
343	309945.66	3917794.57	FENCEGRD	118.35	
344	309223.72	3917890.58	FENCEGRD	117.88	
345	308976.93	3917741.95	FENCEGRD	116.81	
346	308967.60	3917720.45	FENCEGRD	116.80	
347	309245.60	3917898.99	FENCEGRD	117.99	
348	309269.83	3917898.26	FENCEGRD	118.10	
349	309294.05	3917897.54	FENCEGRD	118.19	
350	309318.28	3917896.81	FENCEGRD	118.25	
351	309342.51	3917896.08	FENCEGRD	118.28	
352	309366.73	3917895.35	FENCEGRD	118.29	
353	309390.96	3917894.62	FENCEGRD	118.27	
354	309415.18	3917893.89	FENCEGRD	118.23	
355	309439.41	3917893.16	FENCEGRD	118.17	
356	309463.64	3917892.44	FENCEGRD	118.11	
357	309487.86	3917891.71	FENCEGRD	118.08	
358	309512.09	3917890.98	FENCEGRD	118.09	
359	309536.32	3917890.25	FENCEGRD	118.07	
360	309560.54	3917889.52	FENCEGRD	117.99	
361	309584.77	3917888.79	FENCEGRD	117.91	
362	309608.99	3917888.06	FENCEGRD	117.87	
363	309633.22	3917887.33	FENCEGRD	117.84	
364	309657.45	3917886.61	FENCEGRD	117.83	
365	309681.67	3917885.88	FENCEGRD	117.83	
366	309705.90	3917885.15	FENCEGRD	117.84	
367	309730.12	3917884.42	FENCEGRD	117.84	
368	309754.35	3917883.69	FENCEGRD	117.86	
369	309778.58	3917882.96	FENCEGRD	117.88	
370	309802.80	3917882.23	FENCEGRD	117.90	
371	309827.03	3917881.51	FENCEGRD	117.93	
372	309851.26	3917880.78	FENCEGRD	117.96	
373	309875.48	3917880.05	FENCEGRD	118.01	
374	309899.71	3917879.32	FENCEGRD	118.06	
375	309923.93	3917878.59	FENCEGRD	118.12	

Receptor Pathway

Record Number	Location: X-Coord. [m]	Location: Y-Coord. [m]	Group Name (Optional)	Terrain Elevations (Optional)	Flagpole Heights [m] (Optional)
376	309948.16	3917877.86	FENCEGRD	118.20	Option not Selected
377	309226.62	3917974.03	FENCEGRD	118.30	
378	308919.77	3917803.26	FENCEGRD	116.81	
379	308910.60	3917782.14	FENCEGRD	116.81	
380	309248.11	3917982.29	FENCEGRD	118.39	
381	309272.33	3917981.56	FENCEGRD	118.43	
382	309296.56	3917980.83	FENCEGRD	118.49	
383	309320.78	3917980.10	FENCEGRD	118.54	
384	309345.01	3917979.37	FENCEGRD	118.58	
385	309369.24	3917978.65	FENCEGRD	118.60	
386	309393.46	3917977.92	FENCEGRD	118.59	
387	309417.69	3917977.19	FENCEGRD	118.57	
388	309441.92	3917976.46	FENCEGRD	118.54	
389	309466.14	3917975.73	FENCEGRD	118.51	
390	309490.37	3917975.00	FENCEGRD	118.48	
391	309514.59	3917974.27	FENCEGRD	118.46	
392	309538.82	3917973.54	FENCEGRD	118.42	
393	309563.05	3917972.82	FENCEGRD	118.37	
394	309587.27	3917972.09	FENCEGRD	118.30	
395	309611.50	3917971.36	FENCEGRD	118.24	
396	309635.73	3917970.63	FENCEGRD	118.19	
397	309659.95	3917969.90	FENCEGRD	118.13	
398	309684.18	3917969.17	FENCEGRD	118.08	
399	309708.40	3917968.44	FENCEGRD	118.05	
400	309732.63	3917967.72	FENCEGRD	118.02	
401	309756.86	3917966.99	FENCEGRD	117.99	
402	309781.08	3917966.26	FENCEGRD	117.98	
403	309805.31	3917965.53	FENCEGRD	117.98	
404	309829.53	3917964.80	FENCEGRD	118.02	
405	309853.76	3917964.07	FENCEGRD	118.05	
406	309877.99	3917963.34	FENCEGRD	118.07	
407	309902.21	3917962.62	FENCEGRD	118.10	
408	309926.44	3917961.89	FENCEGRD	118.13	
409	309950.67	3917961.16	FENCEGRD	118.19	
410	309228.05	3918056.91	FENCEGRD	118.88	
411	309205.49	3918048.23	FENCEGRD	118.79	
412	309182.92	3918039.56	FENCEGRD	118.69	
413	309160.36	3918030.88	FENCEGRD	118.62	
414	309137.80	3918022.21	FENCEGRD	118.56	

Receptor Pathway

Record Number	Location: X-Coord. [m]	Location: Y-Coord. [m]	Group Name (Optional)	Terrain Elevations (Optional)	Flagpole Heights [m] (Optional)
415	309115.23	3918013.53	FENCEGRD	118.51	Option not Selected
416	309092.67	3918004.86	FENCEGRD	118.43	
417	309070.11	3917996.18	FENCEGRD	118.32	
418	309047.54	3917987.51	FENCEGRD	118.18	
419	309024.98	3917978.83	FENCEGRD	117.99	
420	309002.42	3917970.16	FENCEGRD	117.86	
421	308979.86	3917961.48	FENCEGRD	117.82	
422	308957.29	3917952.81	FENCEGRD	117.85	
423	308934.73	3917944.13	FENCEGRD	117.98	
424	308912.17	3917935.46	FENCEGRD	118.09	
425	308879.98	3917904.61	FENCEGRD	118.12	
426	308870.36	3917882.43	FENCEGRD	117.92	
427	308860.73	3917860.26	FENCEGRD	117.71	
428	308851.11	3917838.08	FENCEGRD	117.53	
429	309250.61	3918065.58	FENCEGRD	118.95	
430	309274.84	3918064.86	FENCEGRD	118.95	
431	309299.06	3918064.13	FENCEGRD	118.96	
432	309323.29	3918063.40	FENCEGRD	118.96	
433	309347.52	3918062.67	FENCEGRD	118.97	
434	309371.74	3918061.94	FENCEGRD	118.97	
435	309395.97	3918061.21	FENCEGRD	118.96	
436	309420.19	3918060.48	FENCEGRD	118.95	
437	309444.42	3918059.76	FENCEGRD	118.93	
438	309468.65	3918059.03	FENCEGRD	118.90	
439	309492.87	3918058.30	FENCEGRD	118.87	
440	309517.10	3918057.57	FENCEGRD	118.84	
441	309541.33	3918056.84	FENCEGRD	118.80	
442	309565.55	3918056.11	FENCEGRD	118.77	
443	309589.78	3918055.38	FENCEGRD	118.74	
444	309614.00	3918054.65	FENCEGRD	118.71	
445	309638.23	3918053.93	FENCEGRD	118.68	
446	309662.46	3918053.20	FENCEGRD	118.66	
447	309686.68	3918052.47	FENCEGRD	118.63	
448	309710.91	3918051.74	FENCEGRD	118.59	
449	309735.14	3918051.01	FENCEGRD	118.55	
450	309759.36	3918050.28	FENCEGRD	118.51	
451	309783.59	3918049.55	FENCEGRD	118.47	
452	309807.81	3918048.83	FENCEGRD	118.44	
453	309832.04	3918048.10	FENCEGRD	118.43	

Receptor Pathway

Record Number	Location: X-Coord. [m]	Location: Y-Coord. [m]	Group Name (Optional)	Terrain Elevations (Optional)	Flagpole Heights [m] (Optional)
454	309856.27	3918047.37	FENCEGRD	118.49	Option not Selected
455	309880.49	3918046.64	FENCEGRD	118.61	
456	309904.72	3918045.91	FENCEGRD	118.77	
457	309928.94	3918045.18	FENCEGRD	118.93	
458	309953.17	3918044.45	FENCEGRD	119.08	
459	309963.14	3917544.56	FENCEGRD	119.69	
460	309963.02	3917520.64	FENCEGRD	119.65	
461	309962.91	3917496.73	FENCEGRD	119.66	
462	309962.79	3917472.81	FENCEGRD	119.25	
463	309962.68	3917448.89	FENCEGRD	118.65	
464	309962.56	3917424.98	FENCEGRD	118.29	
465	309962.44	3917401.06	FENCEGRD	118.27	
466	309962.33	3917377.15	FENCEGRD	118.28	
467	309962.21	3917353.23	FENCEGRD	118.30	
468	309962.09	3917329.31	FENCEGRD	118.33	
469	309961.98	3917305.40	FENCEGRD	118.39	
470	309961.86	3917281.48	FENCEGRD	118.48	
471	309961.75	3917257.56	FENCEGRD	118.56	
472	309961.63	3917233.65	FENCEGRD	118.63	
473	309981.12	3917561.92	FENCEGRD	119.66	
474	309988.02	3917520.52	FENCEGRD	119.56	
475	309987.91	3917496.60	FENCEGRD	119.46	
476	309987.79	3917472.69	FENCEGRD	119.08	
477	309987.67	3917448.77	FENCEGRD	118.63	
478	309987.56	3917424.86	FENCEGRD	118.40	
479	309987.44	3917400.94	FENCEGRD	118.37	
480	309987.33	3917377.02	FENCEGRD	118.36	
481	309987.21	3917353.11	FENCEGRD	118.37	
482	309987.09	3917329.19	FENCEGRD	118.41	
483	309986.98	3917305.28	FENCEGRD	118.45	
484	309986.86	3917281.36	FENCEGRD	118.52	
485	309986.75	3917257.44	FENCEGRD	118.60	
486	309986.63	3917233.53	FENCEGRD	118.66	
487	310006.12	3917561.80	FENCEGRD	119.49	
488	309974.86	3917604.40	FENCEGRD	119.55	
489	310013.02	3917520.40	FENCEGRD	119.39	
490	310012.91	3917496.48	FENCEGRD	119.21	
491	310012.79	3917472.57	FENCEGRD	118.98	
492	310012.67	3917448.65	FENCEGRD	118.74	

Receptor Pathway

Record Number	Location: X-Coord. [m]	Location: Y-Coord. [m]	Group Name (Optional)	Terrain Elevations (Optional)	Flagpole Heights [m] (Optional)
493	310012.56	3917424.73	FENCEGRD	118.60	Option not Selected
494	310012.44	3917400.82	FENCEGRD	118.54	
495	310012.33	3917376.90	FENCEGRD	118.51	
496	310012.21	3917352.99	FENCEGRD	118.50	
497	310012.09	3917329.07	FENCEGRD	118.52	
498	310011.98	3917305.15	FENCEGRD	118.55	
499	310011.86	3917281.24	FENCEGRD	118.59	
500	310011.75	3917257.32	FENCEGRD	118.65	
501	310011.63	3917233.41	FENCEGRD	118.71	
502	310031.12	3917561.68	FENCEGRD	119.43	
503	310017.09	3917596.66	FENCEGRD	119.37	
504	309992.84	3917621.77	FENCEGRD	119.33	
505	310038.02	3917520.28	FENCEGRD	119.34	
506	310037.91	3917496.36	FENCEGRD	119.22	
507	310037.79	3917472.45	FENCEGRD	119.08	
508	310037.67	3917448.53	FENCEGRD	118.93	
509	310037.56	3917424.61	FENCEGRD	118.80	
510	310037.44	3917400.70	FENCEGRD	118.73	
511	310037.33	3917376.78	FENCEGRD	118.68	
512	310037.21	3917352.87	FENCEGRD	118.65	
513	310037.09	3917328.95	FENCEGRD	118.64	
514	310036.98	3917305.03	FENCEGRD	118.65	
515	310036.86	3917281.12	FENCEGRD	118.68	
516	310036.74	3917257.20	FENCEGRD	118.72	
517	310036.63	3917233.28	FENCEGRD	118.77	
518	310079.72	3917564.94	FENCEGRD	119.67	
519	310071.30	3917585.92	FENCEGRD	119.61	
520	310062.88	3917606.91	FENCEGRD	119.51	
521	310054.46	3917627.89	FENCEGRD	119.36	
522	310025.36	3917658.02	FENCEGRD	119.13	
523	310004.68	3917667.17	FENCEGRD	119.07	
524	309984.01	3917676.32	FENCEGRD	119.00	
525	309963.33	3917685.47	FENCEGRD	118.92	
526	310088.14	3917543.95	FENCEGRD	119.66	
527	310088.02	3917520.04	FENCEGRD	119.52	
528	310087.91	3917496.12	FENCEGRD	119.41	
529	310087.79	3917472.20	FENCEGRD	119.29	
530	310087.67	3917448.29	FENCEGRD	119.16	
531	310087.56	3917424.37	FENCEGRD	119.06	

Receptor Pathway

Record Number	Location: X-Coord. [m]	Location: Y-Coord. [m]	Group Name (Optional)	Terrain Elevations (Optional)	Flagpole Heights [m] (Optional)
532	310087.44	3917400.45	FENCEGRD	118.99	Option not Selected
533	310087.33	3917376.54	FENCEGRD	118.94	
534	310087.21	3917352.62	FENCEGRD	118.91	
535	310087.09	3917328.71	FENCEGRD	118.89	
536	310086.98	3917304.79	FENCEGRD	118.88	
537	310086.86	3917280.87	FENCEGRD	118.88	
538	310086.74	3917256.96	FENCEGRD	118.90	
539	310086.63	3917233.04	FENCEGRD	118.92	
540	310130.12	3917563.69	FENCEGRD	119.70	
541	310114.08	3917603.67	FENCEGRD	119.57	
542	310098.05	3917643.64	FENCEGRD	119.36	
543	310062.32	3917692.32	FENCEGRD	119.11	
544	310022.93	3917709.74	FENCEGRD	118.91	
545	309983.54	3917727.17	FENCEGRD	118.72	
546	310138.02	3917519.79	FENCEGRD	119.56	
547	310137.91	3917495.88	FENCEGRD	119.45	
548	310137.79	3917471.96	FENCEGRD	119.35	
549	310137.67	3917448.04	FENCEGRD	119.27	
550	310137.56	3917424.13	FENCEGRD	119.21	
551	310137.44	3917400.21	FENCEGRD	119.17	
552	310137.32	3917376.30	FENCEGRD	119.14	
553	310137.21	3917352.38	FENCEGRD	119.11	
554	310137.09	3917328.46	FENCEGRD	119.09	
555	310136.98	3917304.55	FENCEGRD	119.08	
556	310136.86	3917280.63	FENCEGRD	119.08	
557	310136.74	3917256.71	FENCEGRD	119.09	
558	310136.63	3917232.80	FENCEGRD	119.10	
559	310179.37	3917565.33	FENCEGRD	119.70	
560	310170.60	3917587.19	FENCEGRD	119.66	
561	310161.83	3917609.04	FENCEGRD	119.55	
562	310153.06	3917630.90	FENCEGRD	119.44	
563	310144.29	3917652.76	FENCEGRD	119.37	
564	310135.52	3917674.62	FENCEGRD	119.31	
565	310126.75	3917696.48	FENCEGRD	119.25	
566	310096.44	3917727.87	FENCEGRD	119.10	
567	310074.90	3917737.40	FENCEGRD	119.01	
568	310053.36	3917746.93	FENCEGRD	118.90	
569	310031.82	3917756.46	FENCEGRD	118.79	
570	310010.28	3917765.98	FENCEGRD	118.68	

Receptor Pathway

Record Number	Location: X-Coord. [m]	Location: Y-Coord. [m]	Group Name (Optional)	Terrain Elevations (Optional)	Flagpole Heights [m] (Optional)
571	309988.74	3917775.51	FENCEGRD	118.58	Option not Selected
572	309967.20	3917785.04	FENCEGRD	118.47	
573	310188.14	3917543.47	FENCEGRD	119.68	
574	310188.02	3917519.55	FENCEGRD	119.58	
575	310187.90	3917495.63	FENCEGRD	119.50	
576	310187.79	3917471.72	FENCEGRD	119.44	
577	310187.67	3917447.80	FENCEGRD	119.38	
578	310187.56	3917423.89	FENCEGRD	119.34	
579	310187.44	3917399.97	FENCEGRD	119.31	
580	310187.32	3917376.05	FENCEGRD	119.30	
581	310187.21	3917352.14	FENCEGRD	119.29	
582	310187.09	3917328.22	FENCEGRD	119.27	
583	310186.98	3917304.30	FENCEGRD	119.26	
584	310186.86	3917280.39	FENCEGRD	119.26	
585	310186.74	3917256.47	FENCEGRD	119.26	
586	310186.63	3917232.56	FENCEGRD	119.28	
587	310262.97	3917564.26	FENCEGRD	119.72	
588	310254.46	3917585.46	FENCEGRD	119.71	
589	310245.96	3917606.65	FENCEGRD	119.69	
590	310237.45	3917627.85	FENCEGRD	119.63	
591	310228.95	3917649.05	FENCEGRD	119.58	
592	310220.44	3917670.24	FENCEGRD	119.52	
593	310211.94	3917691.44	FENCEGRD	119.47	
594	310203.43	3917712.64	FENCEGRD	119.44	
595	310194.93	3917733.84	FENCEGRD	119.42	
596	310186.43	3917755.03	FENCEGRD	119.40	
597	310157.03	3917785.47	FENCEGRD	119.26	
598	310136.15	3917794.71	FENCEGRD	119.15	
599	310115.26	3917803.95	FENCEGRD	119.05	
600	310094.37	3917813.19	FENCEGRD	118.94	
601	310073.48	3917822.43	FENCEGRD	118.83	
602	310052.60	3917831.67	FENCEGRD	118.72	
603	310031.71	3917840.91	FENCEGRD	118.61	
604	310010.82	3917850.14	FENCEGRD	118.51	
605	309989.94	3917859.38	FENCEGRD	118.40	
606	309969.05	3917868.62	FENCEGRD	118.30	
607	310271.47	3917543.06	FENCEGRD	119.71	
608	310271.35	3917519.14	FENCEGRD	119.68	
609	310271.24	3917495.23	FENCEGRD	119.65	

Receptor Pathway

Record Number	Location: X-Coord. [m]	Location: Y-Coord. [m]	Group Name (Optional)	Terrain Elevations (Optional)	Flagpole Heights [m] (Optional)
610	310271.12	3917471.31	FENCEGRD	119.62	Option not Selected
611	310271.00	3917447.40	FENCEGRD	119.59	
612	310270.89	3917423.48	FENCEGRD	119.56	
613	310270.77	3917399.56	FENCEGRD	119.55	
614	310270.66	3917375.65	FENCEGRD	119.54	
615	310270.54	3917351.73	FENCEGRD	119.54	
616	310270.42	3917327.82	FENCEGRD	119.53	
617	310270.31	3917303.90	FENCEGRD	119.52	
618	310270.19	3917279.98	FENCEGRD	119.50	
619	310270.08	3917256.07	FENCEGRD	119.48	
620	310269.96	3917232.15	FENCEGRD	119.45	
621	310346.45	3917563.48	FENCEGRD	119.52	
622	310329.74	3917605.11	FENCEGRD	119.60	
623	310321.39	3917625.93	FENCEGRD	119.69	
624	310304.69	3917667.57	FENCEGRD	119.80	
625	310296.33	3917688.39	FENCEGRD	119.78	
626	310279.63	3917730.02	FENCEGRD	119.74	
627	310262.92	3917771.66	FENCEGRD	119.64	
628	310246.22	3917813.30	FENCEGRD	119.55	
629	310217.35	3917843.19	FENCEGRD	119.45	
630	310176.32	3917861.34	FENCEGRD	119.26	
631	310135.30	3917879.49	FENCEGRD	119.10	
632	310094.27	3917897.64	FENCEGRD	118.91	
633	310053.24	3917915.79	FENCEGRD	118.68	
634	310012.21	3917933.94	FENCEGRD	118.43	
635	309971.18	3917952.08	FENCEGRD	118.23	
636	310354.69	3917518.74	FENCEGRD	119.58	
637	310354.57	3917494.82	FENCEGRD	119.65	
638	310354.45	3917470.91	FENCEGRD	119.69	
639	310354.34	3917446.99	FENCEGRD	119.68	
640	310354.22	3917423.08	FENCEGRD	119.65	
641	310354.10	3917399.16	FENCEGRD	119.59	
642	310353.99	3917375.24	FENCEGRD	119.51	
643	310353.87	3917351.33	FENCEGRD	119.47	
644	310353.76	3917327.41	FENCEGRD	119.56	
645	310353.64	3917303.49	FENCEGRD	119.63	
646	310353.52	3917279.58	FENCEGRD	119.69	
647	310353.41	3917255.66	FENCEGRD	119.74	
648	310353.29	3917231.75	FENCEGRD	119.78	

Receptor Pathway

Record Number	Location: X-Coord. [m]	Location: Y-Coord. [m]	Group Name (Optional)	Terrain Elevations (Optional)	Flagpole Heights [m] (Optional)
649	310429.36	3917564.11	FENCEGRD	120.00	Option not Selected
650	310420.59	3917585.97	FENCEGRD	119.99	
651	310411.82	3917607.83	FENCEGRD	119.99	
652	310403.05	3917629.69	FENCEGRD	119.99	
653	310394.28	3917651.55	FENCEGRD	119.98	
654	310385.51	3917673.41	FENCEGRD	119.97	
655	310376.74	3917695.27	FENCEGRD	119.96	
656	310367.97	3917717.13	FENCEGRD	119.93	
657	310359.20	3917738.99	FENCEGRD	119.90	
658	310350.43	3917760.85	FENCEGRD	119.86	
659	310341.66	3917782.71	FENCEGRD	119.80	
660	310332.89	3917804.57	FENCEGRD	119.76	
661	310324.12	3917826.43	FENCEGRD	119.72	
662	310315.35	3917848.29	FENCEGRD	119.67	
663	310306.58	3917870.15	FENCEGRD	119.62	
664	310276.27	3917901.53	FENCEGRD	119.46	
665	310254.73	3917911.06	FENCEGRD	119.39	
666	310233.19	3917920.59	FENCEGRD	119.34	
667	310211.65	3917930.12	FENCEGRD	119.29	
668	310190.11	3917939.65	FENCEGRD	119.23	
669	310168.57	3917949.17	FENCEGRD	119.18	
670	310147.03	3917958.70	FENCEGRD	119.14	
671	310125.49	3917968.23	FENCEGRD	119.11	
672	310103.95	3917977.76	FENCEGRD	119.08	
673	310082.41	3917987.29	FENCEGRD	119.06	
674	310060.87	3917996.81	FENCEGRD	119.04	
675	310039.33	3918006.34	FENCEGRD	118.98	
676	310017.79	3918015.87	FENCEGRD	118.98	
677	309996.25	3918025.40	FENCEGRD	119.05	
678	309974.71	3918034.93	FENCEGRD	119.09	
679	310438.13	3917542.25	FENCEGRD	120.01	
680	310438.02	3917518.34	FENCEGRD	120.01	
681	310437.90	3917494.42	FENCEGRD	120.02	
682	310437.79	3917470.50	FENCEGRD	120.03	
683	310437.67	3917446.59	FENCEGRD	120.04	
684	310437.55	3917422.67	FENCEGRD	120.03	
685	310437.44	3917398.75	FENCEGRD	120.02	
686	310437.32	3917374.84	FENCEGRD	120.00	
687	310437.20	3917350.92	FENCEGRD	119.97	

Receptor Pathway

AERMOD

Record Number	Location: X-Coord. [m]	Location: Y-Coord. [m]	Group Name (Optional)	Terrain Elevations (Optional)	Flagpole Heights [m] (Optional)
688	310437.09	3917327.01	FENCEGRD	119.96	Option not Selected
689	310436.97	3917303.09	FENCEGRD	119.96	
690	310436.86	3917279.17	FENCEGRD	119.96	
691	310436.74	3917255.26	FENCEGRD	119.96	
692	310436.62	3917231.34	FENCEGRD	119.96	
693	309955.64	3917208.64	FENCEGRD	118.66	
694	309945.46	3917171.66	FENCEGRD	118.66	
695	309979.74	3917202.00	FENCEGRD	118.71	
696	309969.56	3917165.02	FENCEGRD	118.71	
697	310003.85	3917195.37	FENCEGRD	118.76	
698	309993.66	3917158.39	FENCEGRD	118.78	
699	310033.04	3917207.22	FENCEGRD	118.81	
700	310022.86	3917170.24	FENCEGRD	118.84	
701	310012.67	3917133.26	FENCEGRD	118.85	
702	310083.04	3917206.97	FENCEGRD	118.94	
703	310076.15	3917175.45	FENCEGRD	118.95	
704	310065.97	3917138.47	FENCEGRD	118.98	
705	310131.84	3917198.04	FENCEGRD	119.11	
706	310124.36	3917162.17	FENCEGRD	119.11	
707	310114.17	3917125.19	FENCEGRD	119.11	
708	310179.90	3917183.68	FENCEGRD	119.29	
709	310172.56	3917148.90	FENCEGRD	119.27	
710	310162.38	3917111.92	FENCEGRD	119.24	
711	310260.39	3917162.64	FENCEGRD	119.45	
712	310265.17	3917197.39	FENCEGRD	119.40	
713	310252.90	3917126.77	FENCEGRD	119.44	
714	310242.72	3917089.79	FENCEGRD	119.39	
715	310340.83	3917141.23	FENCEGRD	119.75	
716	310345.82	3917177.44	FENCEGRD	119.78	
717	310333.25	3917104.64	FENCEGRD	119.68	
718	310323.06	3917067.66	FENCEGRD	119.49	
719	310421.24	3917119.62	FENCEGRD	119.77	
720	310426.37	3917156.86	FENCEGRD	119.85	
721	310431.50	3917194.10	FENCEGRD	119.91	
722	310413.59	3917082.51	FENCEGRD	119.70	
723	310403.40	3917045.53	FENCEGRD	119.55	
724	309936.12	3917138.52	FENCEGRD	118.62	
725	309960.14	3917131.57	FENCEGRD	118.68	
726	309984.15	3917124.62	FENCEGRD	118.76	

Receptor Pathway

Record Number	Location: X-Coord. [m]	Location: Y-Coord. [m]	Group Name (Optional)	Terrain Elevations (Optional)	Flagpole Heights [m] (Optional)
727	310004.02	3917103.33	FENCEGRD	118.84	Option not Selected
728	310056.19	3917103.76	FENCEGRD	118.99	
729	310104.22	3917089.86	FENCEGRD	119.11	
730	310156.40	3917090.29	FENCEGRD	119.22	
731	310148.10	3917061.62	FENCEGRD	119.21	
732	310236.45	3917067.12	FENCEGRD	119.36	
733	310228.15	3917038.45	FENCEGRD	119.33	
734	310316.49	3917043.94	FENCEGRD	119.43	
735	310308.19	3917015.27	FENCEGRD	119.40	
736	310396.54	3917020.77	FENCEGRD	119.53	
737	310388.24	3916992.10	FENCEGRD	119.49	
738	309916.86	3917107.78	FENCEGRD	118.53	
739	309885.17	3917095.70	FENCEGRD	118.40	
740	309935.25	3917090.84	FENCEGRD	118.57	
741	309909.91	3917078.38	FENCEGRD	118.47	
742	309878.22	3917066.31	FENCEGRD	118.35	
743	309944.15	3917067.48	FENCEGRD	118.60	
744	309968.75	3917090.31	FENCEGRD	118.70	
745	309918.81	3917055.02	FENCEGRD	118.49	
746	309887.12	3917042.94	FENCEGRD	118.38	
747	309956.21	3917046.26	FENCEGRD	118.67	
748	309989.02	3917076.71	FENCEGRD	118.80	
749	309927.71	3917031.65	FENCEGRD	118.55	
750	309896.02	3917019.58	FENCEGRD	118.43	
751	309972.75	3916998.68	FENCEGRD	118.88	
752	309995.52	3917014.10	FENCEGRD	118.94	
753	310025.04	3917041.50	FENCEGRD	118.99	
754	310038.54	3917065.46	FENCEGRD	118.99	
755	309945.51	3916984.93	FENCEGRD	118.77	
756	309913.82	3916972.86	FENCEGRD	118.63	
757	309991.81	3916952.81	FENCEGRD	119.16	
758	310017.11	3916969.94	FENCEGRD	119.19	
759	310042.42	3916987.08	FENCEGRD	119.18	
760	310062.57	3917008.96	FENCEGRD	119.16	
761	310077.57	3917035.59	FENCEGRD	119.13	
762	310092.57	3917062.21	FENCEGRD	119.12	
763	309963.31	3916938.21	FENCEGRD	119.09	
764	309931.62	3916926.13	FENCEGRD	119.00	
765	310010.51	3916906.70	FENCEGRD	119.41	

Receptor Pathway

AERMOD

Record Number	Location: X-Coord. [m]	Location: Y-Coord. [m]	Group Name (Optional)	Terrain Elevations (Optional)	Flagpole Heights [m] (Optional)
766	310037.62	3916925.06	FENCEGRD	119.41	Option not Selected
767	310064.74	3916943.41	FENCEGRD	119.36	
768	310099.88	3916976.04	FENCEGRD	119.29	
769	310115.96	3917004.56	FENCEGRD	119.24	
770	310132.03	3917033.09	FENCEGRD	119.22	
771	309981.11	3916891.48	FENCEGRD	119.35	
772	309949.42	3916879.41	FENCEGRD	119.36	
773	310039.27	3916828.21	FENCEGRD	119.48	
774	310064.58	3916845.35	FENCEGRD	119.52	
775	310089.88	3916862.48	FENCEGRD	119.53	
776	310115.19	3916879.62	FENCEGRD	119.51	
777	310140.49	3916896.75	FENCEGRD	119.48	
778	310160.64	3916918.63	FENCEGRD	119.43	
779	310175.65	3916945.26	FENCEGRD	119.38	
780	310190.65	3916971.88	FENCEGRD	119.35	
781	310205.65	3916998.51	FENCEGRD	119.32	
782	310010.78	3916813.61	FENCEGRD	119.46	
783	309979.08	3916801.53	FENCEGRD	119.44	
784	310069.47	3916750.69	FENCEGRD	119.40	
785	310095.83	3916768.54	FENCEGRD	119.45	
786	310122.19	3916786.39	FENCEGRD	119.47	
787	310148.54	3916804.24	FENCEGRD	119.49	
788	310174.90	3916822.09	FENCEGRD	119.49	
789	310201.26	3916839.94	FENCEGRD	119.48	
790	310222.25	3916862.73	FENCEGRD	119.49	
791	310237.88	3916890.47	FENCEGRD	119.46	
792	310253.50	3916918.20	FENCEGRD	119.44	
793	310269.13	3916945.93	FENCEGRD	119.40	
794	310284.75	3916973.67	FENCEGRD	119.39	
795	310040.44	3916735.73	FENCEGRD	119.38	
796	310008.75	3916723.66	FENCEGRD	119.36	
797	310099.51	3916673.07	FENCEGRD	119.31	
798	310126.62	3916691.43	FENCEGRD	119.34	
799	310153.73	3916709.79	FENCEGRD	119.38	
800	310180.85	3916728.15	FENCEGRD	119.41	
801	310207.96	3916746.51	FENCEGRD	119.45	
802	310235.07	3916764.87	FENCEGRD	119.49	
803	310262.18	3916783.23	FENCEGRD	119.51	
804	310283.77	3916806.67	FENCEGRD	119.52	

Receptor Pathway

Record Number	Location: X-Coord. [m]	Location: Y-Coord. [m]	Group Name (Optional)	Terrain Elevations (Optional)	Flagpole Heights [m] (Optional)
805	310299.84	3916835.20	FENCEGRD	119.53	Option not Selected
806	310315.92	3916863.73	FENCEGRD	119.51	
807	310331.99	3916892.25	FENCEGRD	119.49	
808	310348.06	3916920.78	FENCEGRD	119.46	
809	310364.13	3916949.31	FENCEGRD	119.44	
810	310070.11	3916657.86	FENCEGRD	119.28	
811	310038.41	3916645.78	FENCEGRD	119.26	
812	309999.79	3917049.88	FENCEGRD	118.88	
813	310048.51	3917038.64	FENCEGRD	119.07	
814	310185.22	3917038.09	FENCEGRD	119.28	
815	310178.43	3917008.66	FENCEGRD	119.29	
816	310266.42	3917019.36	FENCEGRD	119.35	
817	310259.63	3916989.93	FENCEGRD	119.36	
818	310347.62	3917000.62	FENCEGRD	119.44	
819	310340.83	3916971.19	FENCEGRD	119.41	
820	309853.31	3917058.60	FENCEGRD	118.27	
821	309808.98	3917059.17	FENCEGRD	118.16	
822	309764.64	3917059.73	FENCEGRD	118.04	
823	309720.31	3917060.30	FENCEGRD	118.07	
824	309675.97	3917060.86	FENCEGRD	118.06	
825	309852.99	3917033.60	FENCEGRD	118.27	
826	309808.66	3917034.17	FENCEGRD	118.15	
827	309764.32	3917034.73	FENCEGRD	118.06	
828	309719.99	3917035.30	FENCEGRD	118.08	
829	309675.65	3917035.86	FENCEGRD	118.07	
830	309868.43	3917013.94	FENCEGRD	118.34	
831	309830.51	3917008.89	FENCEGRD	118.22	
832	309786.17	3917009.45	FENCEGRD	118.12	
833	309741.84	3917010.02	FENCEGRD	118.11	
834	309697.50	3917010.58	FENCEGRD	118.10	
835	309868.11	3916988.94	FENCEGRD	118.36	
836	309830.19	3916983.89	FENCEGRD	118.23	
837	309785.85	3916984.46	FENCEGRD	118.14	
838	309741.52	3916985.02	FENCEGRD	118.13	
839	309697.18	3916985.59	FENCEGRD	118.14	
840	309870.63	3916940.01	FENCEGRD	118.45	
841	309829.55	3916933.89	FENCEGRD	118.27	
842	309785.22	3916934.46	FENCEGRD	118.22	
843	309740.88	3916935.02	FENCEGRD	118.21	

Receptor Pathway

Record Number	Location: X-Coord. [m]	Location: Y-Coord. [m]	Group Name (Optional)	Terrain Elevations (Optional)	Flagpole Heights [m] (Optional)
844	309696.55	3916935.59	FENCEGRD	118.20	Option not Selected
845	309869.09	3916889.71	FENCEGRD	118.76	
846	309905.11	3916901.91	FENCEGRD	118.99	
847	310028.12	3917006.54	FENCEGRD	119.09	
848	309828.91	3916883.90	FENCEGRD	118.57	
849	309784.58	3916884.46	FENCEGRD	118.44	
850	309740.24	3916885.03	FENCEGRD	118.37	
851	309695.91	3916885.59	FENCEGRD	118.37	
852	309870.14	3916840.29	FENCEGRD	119.21	
853	309909.54	3916853.63	FENCEGRD	119.29	
854	310063.78	3916974.74	FENCEGRD	119.26	
855	310086.08	3917009.84	FENCEGRD	119.19	
856	309828.28	3916833.90	FENCEGRD	119.16	
857	309783.94	3916834.47	FENCEGRD	119.14	
858	309739.61	3916835.03	FENCEGRD	119.08	
859	309695.27	3916835.60	FENCEGRD	118.82	
860	309868.48	3916756.76	FENCEGRD	119.42	
861	309906.68	3916769.69	FENCEGRD	119.41	
862	309944.88	3916782.63	FENCEGRD	119.42	
863	310113.55	3916906.54	FENCEGRD	119.47	
864	310135.18	3916940.58	FENCEGRD	119.39	
865	310156.80	3916974.62	FENCEGRD	119.32	
866	309827.21	3916750.58	FENCEGRD	119.41	
867	309782.88	3916751.14	FENCEGRD	119.28	
868	309738.54	3916751.71	FENCEGRD	119.18	
869	309694.21	3916752.27	FENCEGRD	119.03	
870	309868.52	3916673.81	FENCEGRD	119.27	
871	309908.93	3916687.49	FENCEGRD	119.36	
872	309949.33	3916701.17	FENCEGRD	119.42	
873	310168.14	3916845.90	FENCEGRD	119.48	
874	310191.01	3916881.91	FENCEGRD	119.46	
875	310213.88	3916917.92	FENCEGRD	119.42	
876	310236.76	3916953.92	FENCEGRD	119.38	
877	309826.15	3916667.25	FENCEGRD	119.14	
878	309781.82	3916667.81	FENCEGRD	118.98	
879	309737.48	3916668.38	FENCEGRD	118.83	
880	309693.15	3916668.94	FENCEGRD	118.70	
881	309866.96	3916590.31	FENCEGRD	118.93	
882	309906.35	3916603.65	FENCEGRD	119.08	

Receptor Pathway

AERMOD

Record Number	Location: X-Coord. [m]	Location: Y-Coord. [m]	Group Name (Optional)	Terrain Elevations (Optional)	Flagpole Heights [m] (Optional)
883	309945.75	3916616.99	FENCEGRD	119.16	Option not Selected
884	309985.14	3916630.32	FENCEGRD	119.23	
885	310229.32	3916795.66	FENCEGRD	119.51	
886	310251.62	3916830.77	FENCEGRD	119.51	
887	310273.93	3916865.88	FENCEGRD	119.49	
888	310296.23	3916900.98	FENCEGRD	119.47	
889	310318.53	3916936.09	FENCEGRD	119.44	
890	309825.09	3916583.92	FENCEGRD	118.77	
891	309780.76	3916584.49	FENCEGRD	118.64	
892	309736.42	3916585.05	FENCEGRD	118.45	
893	309692.09	3916585.62	FENCEGRD	118.27	
894	309651.29	3917086.22	FENCEGRD	118.01	
895	309651.64	3917110.48	FENCEGRD	118.01	
896	309651.99	3917134.75	FENCEGRD	118.01	
897	309652.34	3917159.01	FENCEGRD	118.00	
898	309652.68	3917183.28	FENCEGRD	117.98	
899	309653.03	3917207.54	FENCEGRD	117.99	
900	309653.38	3917231.81	FENCEGRD	118.00	
901	309653.73	3917256.07	FENCEGRD	117.99	
902	309654.07	3917280.34	FENCEGRD	117.95	
903	309654.42	3917304.60	FENCEGRD	117.89	
904	309654.77	3917328.86	FENCEGRD	117.85	
905	309655.12	3917353.13	FENCEGRD	117.82	
906	309655.46	3917377.39	FENCEGRD	117.81	
907	309655.81	3917401.66	FENCEGRD	117.80	
908	309633.38	3917068.78	FENCEGRD	118.01	
909	309626.64	3917110.84	FENCEGRD	118.05	
910	309626.99	3917135.11	FENCEGRD	118.06	
911	309627.34	3917159.37	FENCEGRD	118.03	
912	309627.69	3917183.63	FENCEGRD	117.98	
913	309628.03	3917207.90	FENCEGRD	117.96	
914	309628.38	3917232.16	FENCEGRD	117.94	
915	309628.73	3917256.43	FENCEGRD	117.92	
916	309629.08	3917280.69	FENCEGRD	117.88	
917	309629.42	3917304.96	FENCEGRD	117.83	
918	309629.77	3917329.22	FENCEGRD	117.78	
919	309630.12	3917353.49	FENCEGRD	117.76	
920	309630.47	3917377.75	FENCEGRD	117.74	
921	309630.82	3917402.02	FENCEGRD	117.74	

Receptor Pathway

Record Number	Location: X-Coord. [m]	Location: Y-Coord. [m]	Group Name (Optional)	Terrain Elevations (Optional)	Flagpole Heights [m] (Optional)
922	309608.38	3917069.14	FENCEGRD	118.09	Option not Selected
923	309640.14	3917025.99	FENCEGRD	118.04	
924	309601.65	3917111.20	FENCEGRD	118.13	
925	309601.99	3917135.46	FENCEGRD	118.14	
926	309602.34	3917159.73	FENCEGRD	118.11	
927	309602.69	3917183.99	FENCEGRD	118.00	
928	309603.04	3917208.26	FENCEGRD	117.95	
929	309603.38	3917232.52	FENCEGRD	117.91	
930	309603.73	3917256.79	FENCEGRD	117.87	
931	309604.08	3917281.05	FENCEGRD	117.82	
932	309604.43	3917305.32	FENCEGRD	117.77	
933	309604.77	3917329.58	FENCEGRD	117.73	
934	309605.12	3917353.85	FENCEGRD	117.70	
935	309605.47	3917378.11	FENCEGRD	117.67	
936	309605.82	3917402.37	FENCEGRD	117.66	
937	309583.38	3917069.50	FENCEGRD	118.13	
938	309597.55	3917033.91	FENCEGRD	118.07	
939	309622.23	3917008.55	FENCEGRD	118.06	
940	309657.42	3916993.43	FENCEGRD	118.10	
941	309576.65	3917111.56	FENCEGRD	118.14	
942	309577.00	3917135.82	FENCEGRD	118.16	
943	309577.34	3917160.09	FENCEGRD	118.15	
944	309577.69	3917184.35	FENCEGRD	118.03	
945	309578.04	3917208.62	FENCEGRD	117.95	
946	309578.39	3917232.88	FENCEGRD	117.89	
947	309578.73	3917257.15	FENCEGRD	117.83	
948	309579.08	3917281.41	FENCEGRD	117.78	
949	309579.43	3917305.67	FENCEGRD	117.72	
950	309579.78	3917329.94	FENCEGRD	117.69	
951	309580.12	3917354.20	FENCEGRD	117.65	
952	309580.47	3917378.47	FENCEGRD	117.62	
953	309580.82	3917402.73	FENCEGRD	117.59	
954	309534.80	3917066.66	FENCEGRD	118.14	
955	309543.30	3917045.30	FENCEGRD	118.12	
956	309551.80	3917023.95	FENCEGRD	118.10	
957	309560.30	3917002.59	FENCEGRD	118.07	
958	309589.91	3916972.17	FENCEGRD	118.10	
959	309611.03	3916963.09	FENCEGRD	118.11	
960	309632.15	3916954.02	FENCEGRD	118.13	

Receptor Pathway

Record Number	Location: X-Coord. [m]	Location: Y-Coord. [m]	Group Name (Optional)	Terrain Elevations (Optional)	Flagpole Heights [m] (Optional)
961	309653.26	3916944.95	FENCEGRD	118.16	Option not Selected
962	309526.31	3917088.01	FENCEGRD	118.13	
963	309526.65	3917112.27	FENCEGRD	118.15	
964	309527.00	3917136.54	FENCEGRD	118.17	
965	309527.35	3917160.80	FENCEGRD	118.17	
966	309527.70	3917185.07	FENCEGRD	118.08	
967	309528.04	3917209.33	FENCEGRD	117.98	
968	309528.39	3917233.60	FENCEGRD	117.89	
969	309528.74	3917257.86	FENCEGRD	117.80	
970	309529.09	3917282.13	FENCEGRD	117.74	
971	309529.43	3917306.39	FENCEGRD	117.68	
972	309529.78	3917330.66	FENCEGRD	117.62	
973	309530.13	3917354.92	FENCEGRD	117.57	
974	309530.48	3917379.18	FENCEGRD	117.53	
975	309530.83	3917403.45	FENCEGRD	117.48	
976	309484.40	3917068.39	FENCEGRD	118.13	
977	309500.59	3917027.71	FENCEGRD	118.07	
978	309516.78	3916987.04	FENCEGRD	118.07	
979	309553.08	3916937.72	FENCEGRD	118.14	
980	309593.30	3916920.44	FENCEGRD	118.18	
981	309633.52	3916903.16	FENCEGRD	118.23	
982	309476.66	3917112.99	FENCEGRD	118.14	
983	309477.01	3917137.25	FENCEGRD	118.17	
984	309477.35	3917161.52	FENCEGRD	118.18	
985	309477.70	3917185.78	FENCEGRD	118.10	
986	309478.05	3917210.05	FENCEGRD	118.00	
987	309478.40	3917234.31	FENCEGRD	117.91	
988	309478.74	3917258.58	FENCEGRD	117.82	
989	309479.09	3917282.84	FENCEGRD	117.73	
990	309479.44	3917307.11	FENCEGRD	117.65	
991	309479.79	3917331.37	FENCEGRD	117.58	
992	309480.14	3917355.64	FENCEGRD	117.52	
993	309480.48	3917379.90	FENCEGRD	117.45	
994	309480.83	3917404.17	FENCEGRD	117.39	
995	309435.17	3917067.20	FENCEGRD	118.04	
996	309444.02	3917044.95	FENCEGRD	117.99	
997	309452.87	3917022.71	FENCEGRD	117.97	
998	309461.73	3917000.47	FENCEGRD	117.98	
999	309470.58	3916978.22	FENCEGRD	118.03	

Receptor Pathway

AERMOD

Record Number	Location: X-Coord. [m]	Location: Y-Coord. [m]	Group Name (Optional)	Terrain Elevations (Optional)	Flagpole Heights [m] (Optional)
1,000	309479.43	3916955.98	FENCEGRD	118.06	Option not Selected
1,001	309488.28	3916933.74	FENCEGRD	118.10	
1,002	309519.13	3916902.04	FENCEGRD	118.16	
1,003	309541.13	3916892.59	FENCEGRD	118.19	
1,004	309563.12	3916883.14	FENCEGRD	118.22	
1,005	309585.12	3916873.69	FENCEGRD	118.23	
1,006	309607.12	3916864.23	FENCEGRD	118.25	
1,007	309629.11	3916854.78	FENCEGRD	118.37	
1,008	309651.11	3916845.33	FENCEGRD	118.51	
1,009	309426.32	3917089.44	FENCEGRD	118.06	
1,010	309426.66	3917113.71	FENCEGRD	118.11	
1,011	309427.01	3917137.97	FENCEGRD	118.01	
1,012	309427.36	3917162.24	FENCEGRD	117.72	
1,013	309427.71	3917186.50	FENCEGRD	117.70	
1,014	309428.05	3917210.77	FENCEGRD	117.64	
1,015	309428.40	3917235.03	FENCEGRD	117.58	
1,016	309428.75	3917259.29	FENCEGRD	117.59	
1,017	309429.10	3917283.56	FENCEGRD	117.75	
1,018	309429.44	3917307.82	FENCEGRD	117.66	
1,019	309429.79	3917332.09	FENCEGRD	117.45	
1,020	309430.14	3917356.35	FENCEGRD	117.26	
1,021	309430.49	3917380.62	FENCEGRD	117.15	
1,022	309430.84	3917404.88	FENCEGRD	117.10	
1,023	309351.58	3917069.07	FENCEGRD	117.85	
1,024	309360.16	3917047.50	FENCEGRD	117.71	
1,025	309368.74	3917025.93	FENCEGRD	117.52	
1,026	309377.33	3917004.36	FENCEGRD	117.29	
1,027	309385.91	3916982.79	FENCEGRD	117.38	
1,028	309394.50	3916961.22	FENCEGRD	117.43	
1,029	309403.08	3916939.65	FENCEGRD	117.51	
1,030	309411.67	3916918.08	FENCEGRD	117.74	
1,031	309420.25	3916896.51	FENCEGRD	117.94	
1,032	309428.83	3916874.94	FENCEGRD	118.14	
1,033	309458.75	3916844.20	FENCEGRD	118.13	
1,034	309480.08	3916835.04	FENCEGRD	118.08	
1,035	309501.41	3916825.87	FENCEGRD	118.06	
1,036	309522.74	3916816.71	FENCEGRD	118.07	
1,037	309544.07	3916807.54	FENCEGRD	118.12	
1,038	309565.40	3916798.38	FENCEGRD	118.19	

Receptor Pathway

Record Number	Location: X-Coord. [m]	Location: Y-Coord. [m]	Group Name (Optional)	Terrain Elevations (Optional)	Flagpole Heights [m] (Optional)
1,039	309586.72	3916789.21	FENCEGRD	118.30	Option not Selected
1,040	309608.05	3916780.05	FENCEGRD	118.43	
1,041	309629.38	3916770.88	FENCEGRD	118.60	
1,042	309650.71	3916761.72	FENCEGRD	118.76	
1,043	309342.99	3917090.64	FENCEGRD	117.96	
1,044	309343.34	3917114.90	FENCEGRD	117.51	
1,045	309343.69	3917139.17	FENCEGRD	116.91	
1,046	309344.03	3917163.43	FENCEGRD	116.69	
1,047	309344.38	3917187.69	FENCEGRD	116.69	
1,048	309344.73	3917211.96	FENCEGRD	116.69	
1,049	309345.08	3917236.22	FENCEGRD	116.69	
1,050	309345.42	3917260.49	FENCEGRD	116.69	
1,051	309345.77	3917284.75	FENCEGRD	116.69	
1,052	309346.12	3917309.02	FENCEGRD	116.69	
1,053	309346.47	3917333.28	FENCEGRD	116.69	
1,054	309346.82	3917357.55	FENCEGRD	116.69	
1,055	309347.16	3917381.81	FENCEGRD	116.69	
1,056	309347.51	3917406.08	FENCEGRD	116.69	
1,057	309268.10	3917070.65	FENCEGRD	117.07	
1,058	309276.53	3917049.46	FENCEGRD	117.32	
1,059	309284.96	3917028.28	FENCEGRD	117.35	
1,060	309293.39	3917007.09	FENCEGRD	117.28	
1,061	309301.82	3916985.91	FENCEGRD	117.32	
1,062	309310.25	3916964.72	FENCEGRD	117.35	
1,063	309318.68	3916943.54	FENCEGRD	117.36	
1,064	309327.11	3916922.35	FENCEGRD	117.43	
1,065	309335.55	3916901.17	FENCEGRD	117.49	
1,066	309343.98	3916879.98	FENCEGRD	117.55	
1,067	309352.41	3916858.80	FENCEGRD	117.64	
1,068	309360.84	3916837.62	FENCEGRD	117.82	
1,069	309369.27	3916816.43	FENCEGRD	117.97	
1,070	309398.65	3916786.25	FENCEGRD	117.95	
1,071	309419.60	3916777.24	FENCEGRD	117.96	
1,072	309440.55	3916768.24	FENCEGRD	117.99	
1,073	309461.50	3916759.24	FENCEGRD	118.03	
1,074	309482.44	3916750.24	FENCEGRD	118.07	
1,075	309503.39	3916741.24	FENCEGRD	118.10	
1,076	309524.34	3916732.24	FENCEGRD	118.15	
1,077	309545.29	3916723.24	FENCEGRD	118.22	

Receptor Pathway

Record Number	Location: X-Coord. [m]	Location: Y-Coord. [m]	Group Name (Optional)	Terrain Elevations (Optional)	Flagpole Heights [m] (Optional)
1,078	309566.24	3916714.23	FENCEGRD	118.32	Option not Selected
1,079	309587.19	3916705.23	FENCEGRD	118.40	
1,080	309608.13	3916696.23	FENCEGRD	118.46	
1,081	309629.08	3916687.23	FENCEGRD	118.53	
1,082	309650.03	3916678.23	FENCEGRD	118.60	
1,083	309259.67	3917091.83	FENCEGRD	116.73	
1,084	309260.01	3917116.09	FENCEGRD	116.69	
1,085	309260.36	3917140.36	FENCEGRD	116.67	
1,086	309260.71	3917164.62	FENCEGRD	116.69	
1,087	309261.06	3917188.89	FENCEGRD	116.69	
1,088	309261.40	3917213.15	FENCEGRD	116.69	
1,089	309261.75	3917237.42	FENCEGRD	116.69	
1,090	309262.10	3917261.68	FENCEGRD	116.69	
1,091	309262.45	3917285.95	FENCEGRD	116.69	
1,092	309262.80	3917310.21	FENCEGRD	116.69	
1,093	309263.14	3917334.48	FENCEGRD	116.69	
1,094	309263.49	3917358.74	FENCEGRD	116.69	
1,095	309263.84	3917383.01	FENCEGRD	116.69	
1,096	309264.19	3917407.27	FENCEGRD	116.69	
1,097	309185.19	3917070.78	FENCEGRD	116.66	
1,098	309194.05	3917048.54	FENCEGRD	116.84	
1,099	309202.90	3917026.29	FENCEGRD	117.06	
1,100	309211.75	3917004.05	FENCEGRD	117.27	
1,101	309220.60	3916981.81	FENCEGRD	117.29	
1,102	309229.46	3916959.56	FENCEGRD	117.32	
1,103	309238.31	3916937.32	FENCEGRD	117.35	
1,104	309247.16	3916915.07	FENCEGRD	117.38	
1,105	309256.02	3916892.83	FENCEGRD	117.46	
1,106	309264.87	3916870.59	FENCEGRD	117.53	
1,107	309273.72	3916848.34	FENCEGRD	117.67	
1,108	309282.57	3916826.10	FENCEGRD	117.97	
1,109	309291.43	3916803.86	FENCEGRD	117.99	
1,110	309300.28	3916781.61	FENCEGRD	118.01	
1,111	309309.13	3916759.37	FENCEGRD	118.04	
1,112	309339.98	3916727.67	FENCEGRD	118.07	
1,113	309361.98	3916718.22	FENCEGRD	118.05	
1,114	309383.97	3916708.77	FENCEGRD	118.02	
1,115	309405.97	3916699.32	FENCEGRD	118.01	
1,116	309427.96	3916689.87	FENCEGRD	118.01	

Receptor Pathway

Record Number	Location: X-Coord. [m]	Location: Y-Coord. [m]	Group Name (Optional)	Terrain Elevations (Optional)	Flagpole Heights [m] (Optional)
1,117	309449.96	3916680.42	FENCEGRD	118.03	Option not Selected
1,118	309471.96	3916670.96	FENCEGRD	118.05	
1,119	309493.95	3916661.51	FENCEGRD	118.07	
1,120	309515.95	3916652.06	FENCEGRD	118.09	
1,121	309537.94	3916642.61	FENCEGRD	118.10	
1,122	309559.94	3916633.16	FENCEGRD	118.13	
1,123	309581.93	3916623.71	FENCEGRD	118.17	
1,124	309603.93	3916614.26	FENCEGRD	118.22	
1,125	309625.93	3916604.80	FENCEGRD	118.21	
1,126	309647.92	3916595.35	FENCEGRD	118.19	
1,127	309176.34	3917093.02	FENCEGRD	116.81	
1,128	309176.69	3917117.29	FENCEGRD	116.84	
1,129	309177.04	3917141.55	FENCEGRD	116.89	
1,130	309177.38	3917165.82	FENCEGRD	116.92	
1,131	309177.73	3917190.08	FENCEGRD	116.91	
1,132	309178.08	3917214.35	FENCEGRD	116.90	
1,133	309178.43	3917238.61	FENCEGRD	116.89	
1,134	309178.78	3917262.88	FENCEGRD	116.87	
1,135	309179.12	3917287.14	FENCEGRD	116.86	
1,136	309179.47	3917311.41	FENCEGRD	116.84	
1,137	309179.82	3917335.67	FENCEGRD	116.82	
1,138	309180.17	3917359.93	FENCEGRD	116.81	
1,139	309180.51	3917384.20	FENCEGRD	116.80	
1,140	309180.86	3917408.46	FENCEGRD	116.80	
1,141	309680.39	3917376.30	FENCEGRD	117.87	
1,142	309555.69	3917378.38	FENCEGRD	117.57	
1,143	309505.81	3917379.21	FENCEGRD	117.49	
1,144	309455.93	3917380.04	FENCEGRD	117.44	
1,145	309406.05	3917380.87	FENCEGRD	116.69	
1,146	309381.11	3917381.28	FENCEGRD	116.69	
1,147	309306.29	3917382.53	FENCEGRD	116.69	
1,148	309231.47	3917383.77	FENCEGRD	116.69	
1,149	309206.52	3917384.19	FENCEGRD	116.69	
1,150	309679.98	3917351.31	FENCEGRD	117.89	
1,151	309555.28	3917353.38	FENCEGRD	117.61	
1,152	309505.39	3917354.21	FENCEGRD	117.54	
1,153	309455.51	3917355.04	FENCEGRD	117.51	
1,154	309405.63	3917355.87	FENCEGRD	116.81	
1,155	309380.69	3917356.29	FENCEGRD	116.69	

Receptor Pathway

Record Number	Location: X-Coord. [m]	Location: Y-Coord. [m]	Group Name (Optional)	Terrain Elevations (Optional)	Flagpole Heights [m] (Optional)
1,156	309305.87	3917357.53	FENCEGRD	116.69	Option not Selected
1,157	309231.05	3917358.78	FENCEGRD	116.69	
1,158	309206.11	3917359.19	FENCEGRD	116.69	
1,159	309679.56	3917326.31	FENCEGRD	117.92	
1,160	309554.86	3917328.39	FENCEGRD	117.65	
1,161	309504.98	3917329.22	FENCEGRD	117.60	
1,162	309455.10	3917330.05	FENCEGRD	117.58	
1,163	309405.22	3917330.88	FENCEGRD	117.15	
1,164	309380.28	3917331.29	FENCEGRD	116.83	
1,165	309305.45	3917332.54	FENCEGRD	116.69	
1,166	309230.63	3917333.78	FENCEGRD	116.69	
1,167	309205.69	3917334.20	FENCEGRD	116.69	
1,168	309679.15	3917301.31	FENCEGRD	117.96	
1,169	309554.44	3917303.39	FENCEGRD	117.70	
1,170	309504.56	3917304.22	FENCEGRD	117.67	
1,171	309454.68	3917305.05	FENCEGRD	117.67	
1,172	309404.80	3917305.88	FENCEGRD	117.48	
1,173	309379.86	3917306.29	FENCEGRD	116.97	
1,174	309305.04	3917307.54	FENCEGRD	116.69	
1,175	309230.22	3917308.78	FENCEGRD	116.69	
1,176	309205.28	3917309.20	FENCEGRD	116.69	
1,177	309678.31	3917251.32	FENCEGRD	118.07	
1,178	309553.61	3917253.40	FENCEGRD	117.83	
1,179	309503.73	3917254.23	FENCEGRD	117.82	
1,180	309453.85	3917255.06	FENCEGRD	117.86	
1,181	309403.97	3917255.89	FENCEGRD	116.90	
1,182	309379.03	3917256.30	FENCEGRD	116.72	
1,183	309304.21	3917257.55	FENCEGRD	116.69	
1,184	309229.39	3917258.79	FENCEGRD	116.69	
1,185	309204.44	3917259.21	FENCEGRD	116.69	
1,186	309677.48	3917201.33	FENCEGRD	118.04	
1,187	309552.78	3917203.40	FENCEGRD	117.99	
1,188	309502.90	3917204.23	FENCEGRD	118.01	
1,189	309453.02	3917205.06	FENCEGRD	118.06	
1,190	309403.14	3917205.89	FENCEGRD	116.80	
1,191	309378.20	3917206.31	FENCEGRD	116.69	
1,192	309303.38	3917207.55	FENCEGRD	116.69	
1,193	309228.55	3917208.80	FENCEGRD	116.69	
1,194	309203.61	3917209.21	FENCEGRD	116.69	

Receptor Pathway

Record Number	Location: X-Coord. [m]	Location: Y-Coord. [m]	Group Name (Optional)	Terrain Elevations (Optional)	Flagpole Heights [m] (Optional)
1,195	309676.65	3917151.33	FENCEGRD	118.00	Option not Selected
1,196	309551.95	3917153.41	FENCEGRD	118.18	
1,197	309502.07	3917154.24	FENCEGRD	118.18	
1,198	309452.19	3917155.07	FENCEGRD	118.19	
1,199	309402.31	3917155.90	FENCEGRD	116.92	
1,200	309377.36	3917156.31	FENCEGRD	116.85	
1,201	309302.54	3917157.56	FENCEGRD	116.69	
1,202	309227.72	3917158.80	FENCEGRD	116.69	
1,203	309202.78	3917159.22	FENCEGRD	116.69	
1,204	309400.92	3917072.58	FENCEGRD	117.96	
1,205	309375.98	3917072.99	FENCEGRD	117.91	
1,206	309326.10	3917073.82	FENCEGRD	117.84	
1,207	309301.16	3917074.24	FENCEGRD	117.79	
1,208	309226.34	3917075.48	FENCEGRD	116.64	
1,209	309624.00	3916985.52	FENCEGRD	118.09	
1,210	309424.47	3916988.84	FENCEGRD	117.78	
1,211	309349.65	3916990.09	FENCEGRD	117.33	
1,212	309324.71	3916990.50	FENCEGRD	117.32	
1,213	309274.83	3916991.33	FENCEGRD	117.30	
1,214	309249.89	3916991.75	FENCEGRD	117.29	
1,215	309175.07	3916992.99	FENCEGRD	117.23	
1,216	309672.49	3916901.37	FENCEGRD	118.27	
1,217	309472.97	3916904.69	FENCEGRD	118.16	
1,218	309448.03	3916905.10	FENCEGRD	118.16	
1,219	309373.21	3916906.35	FENCEGRD	117.49	
1,220	309298.38	3916907.59	FENCEGRD	117.45	
1,221	309273.44	3916908.01	FENCEGRD	117.44	
1,222	309223.56	3916908.84	FENCEGRD	117.35	
1,223	309198.62	3916909.25	FENCEGRD	117.32	
1,224	309173.68	3916909.67	FENCEGRD	117.26	
1,225	309157.00	3917409.60	FENCEGRD	117.01	
1,226	309136.78	3917397.91	FENCEGRD	116.98	
1,227	309157.96	3917369.56	FENCEGRD	117.07	
1,228	309112.38	3917396.45	FENCEGRD	116.91	
1,229	309123.15	3917370.16	FENCEGRD	117.00	
1,230	309141.58	3917351.41	FENCEGRD	117.08	
1,231	309107.00	3917426.96	FENCEGRD	116.85	
1,232	309087.74	3917395.58	FENCEGRD	116.87	
1,233	309099.22	3917367.53	FENCEGRD	116.95	

Receptor Pathway

Record Number	Location: X-Coord. [m]	Location: Y-Coord. [m]	Group Name (Optional)	Terrain Elevations (Optional)	Flagpole Heights [m] (Optional)
1,234	309124.63	3917333.51	FENCEGRD	117.09	Option not Selected
1,235	309152.48	3917321.56	FENCEGRD	117.18	
1,236	309038.15	3917394.57	FENCEGRD	116.75	
1,237	309050.45	3917364.52	FENCEGRD	116.84	
1,238	309062.75	3917334.47	FENCEGRD	116.93	
1,239	309089.98	3917298.02	FENCEGRD	117.07	
1,240	309119.82	3917285.22	FENCEGRD	117.20	
1,241	309149.66	3917272.42	FENCEGRD	117.32	
1,242	308988.38	3917394.02	FENCEGRD	116.66	
1,243	309001.14	3917362.85	FENCEGRD	116.74	
1,244	309013.89	3917331.69	FENCEGRD	116.82	
1,245	309026.65	3917300.52	FENCEGRD	116.91	
1,246	309054.88	3917262.72	FENCEGRD	117.04	
1,247	309085.83	3917249.45	FENCEGRD	117.15	
1,248	309116.78	3917236.18	FENCEGRD	117.28	
1,249	309147.72	3917222.90	FENCEGRD	117.45	
1,250	308938.52	3917393.66	FENCEGRD	116.61	
1,251	308951.57	3917361.79	FENCEGRD	116.67	
1,252	308964.62	3917329.92	FENCEGRD	116.75	
1,253	308977.66	3917298.05	FENCEGRD	116.84	
1,254	308990.71	3917266.17	FENCEGRD	116.91	
1,255	309019.58	3917227.51	FENCEGRD	117.04	
1,256	309051.24	3917213.94	FENCEGRD	117.13	
1,257	309082.89	3917200.36	FENCEGRD	117.24	
1,258	309114.54	3917186.79	FENCEGRD	117.38	
1,259	309146.19	3917173.21	FENCEGRD	117.55	
1,260	308932.00	3917426.96	FENCEGRD	116.59	
1,261	308855.05	3917394.02	FENCEGRD	116.54	
1,262	308867.80	3917362.85	FENCEGRD	116.58	
1,263	308880.56	3917331.69	FENCEGRD	116.65	
1,264	308893.32	3917300.52	FENCEGRD	116.72	
1,265	308906.07	3917269.36	FENCEGRD	116.80	
1,266	308918.83	3917238.20	FENCEGRD	116.88	
1,267	308931.59	3917207.03	FENCEGRD	116.97	
1,268	308959.82	3917169.23	FENCEGRD	117.06	
1,269	308990.77	3917155.96	FENCEGRD	117.09	
1,270	309021.71	3917142.68	FENCEGRD	117.13	
1,271	309052.66	3917129.41	FENCEGRD	117.17	
1,272	309083.61	3917116.13	FENCEGRD	117.22	

Receptor Pathway

Record Number	Location: X-Coord. [m]	Location: Y-Coord. [m]	Group Name (Optional)	Terrain Elevations (Optional)	Flagpole Heights [m] (Optional)
1,273	309114.56	3917102.86	FENCEGRD	117.28	Option not Selected
1,274	309145.51	3917089.59	FENCEGRD	117.37	
1,275	308848.67	3917426.96	FENCEGRD	116.56	
1,276	308771.63	3917394.22	FENCEGRD	116.49	
1,277	308784.22	3917363.47	FENCEGRD	116.48	
1,278	308796.81	3917332.71	FENCEGRD	116.52	
1,279	308809.40	3917301.96	FENCEGRD	116.63	
1,280	308821.99	3917271.21	FENCEGRD	116.72	
1,281	308834.57	3917240.45	FENCEGRD	116.80	
1,282	308847.16	3917209.70	FENCEGRD	116.89	
1,283	308859.75	3917178.94	FENCEGRD	116.99	
1,284	308872.34	3917148.19	FENCEGRD	117.04	
1,285	308900.20	3917110.88	FENCEGRD	117.08	
1,286	308930.74	3917097.78	FENCEGRD	117.10	
1,287	308961.28	3917084.69	FENCEGRD	117.11	
1,288	308991.82	3917071.59	FENCEGRD	117.12	
1,289	309022.36	3917058.49	FENCEGRD	117.14	
1,290	309052.91	3917045.39	FENCEGRD	117.14	
1,291	309083.45	3917032.29	FENCEGRD	117.15	
1,292	309113.99	3917019.19	FENCEGRD	117.16	
1,293	309144.53	3917006.09	FENCEGRD	117.16	
1,294	308765.33	3917426.96	FENCEGRD	116.51	
1,295	308688.52	3917393.66	FENCEGRD	116.41	
1,296	308701.57	3917361.79	FENCEGRD	116.40	
1,297	308714.62	3917329.92	FENCEGRD	116.41	
1,298	308727.66	3917298.05	FENCEGRD	116.47	
1,299	308740.71	3917266.17	FENCEGRD	116.62	
1,300	308753.76	3917234.30	FENCEGRD	116.70	
1,301	308766.81	3917202.43	FENCEGRD	116.78	
1,302	308779.85	3917170.55	FENCEGRD	116.90	
1,303	308792.90	3917138.68	FENCEGRD	117.00	
1,304	308805.95	3917106.81	FENCEGRD	117.04	
1,305	308818.99	3917074.94	FENCEGRD	117.07	
1,306	308841.34	3917052.21	FENCEGRD	117.09	
1,307	308872.99	3917038.64	FENCEGRD	117.15	
1,308	308904.65	3917025.06	FENCEGRD	117.17	
1,309	308936.30	3917011.49	FENCEGRD	117.18	
1,310	308967.95	3916997.91	FENCEGRD	117.16	
1,311	308999.60	3916984.33	FENCEGRD	117.18	

Receptor Pathway

Record Number	Location: X-Coord. [m]	Location: Y-Coord. [m]	Group Name (Optional)	Terrain Elevations (Optional)	Flagpole Heights [m] (Optional)
1,312	309031.25	3916970.76	FENCEGRD	117.17	Option not Selected
1,313	309062.90	3916957.18	FENCEGRD	117.16	
1,314	309094.55	3916943.61	FENCEGRD	117.16	
1,315	309126.20	3916930.03	FENCEGRD	117.16	
1,316	308682.00	3917426.96	FENCEGRD	116.44	

Meteorology Pathway

Met Input Data

Surface Met Data

Filename: ..\met\bakersfield-23155\Bakersfield_18-22.SFC

Format Type: Default AERMET format

Profile Met Data

Filename: ..\met\bakersfield-23155\Bakersfield_18-22.PFL

Format Type: Default AERMET format

Wind Speed

☐ Wind Speeds are Vector Mean (Not Scalar Means)

Wind Direction

Rotation Adjustment [deg]:

Potential Temperature Profile

Base Elevation above MSL (for Primary Met Tower): 150.00 [m]

Meteorological Station Data

Stations	Station No.	Year	X Coordinate [m]	Y Coordinate [m]	Station Name
Surface		2018			OAKLAND/WSO AP
Upper Air		2018			

Data Period

Data Period to Process

Start Date: 1/1/2018 Start Hour: 1 End Date: 12/31/2022 End Hour: 24

Wind Speed Categories

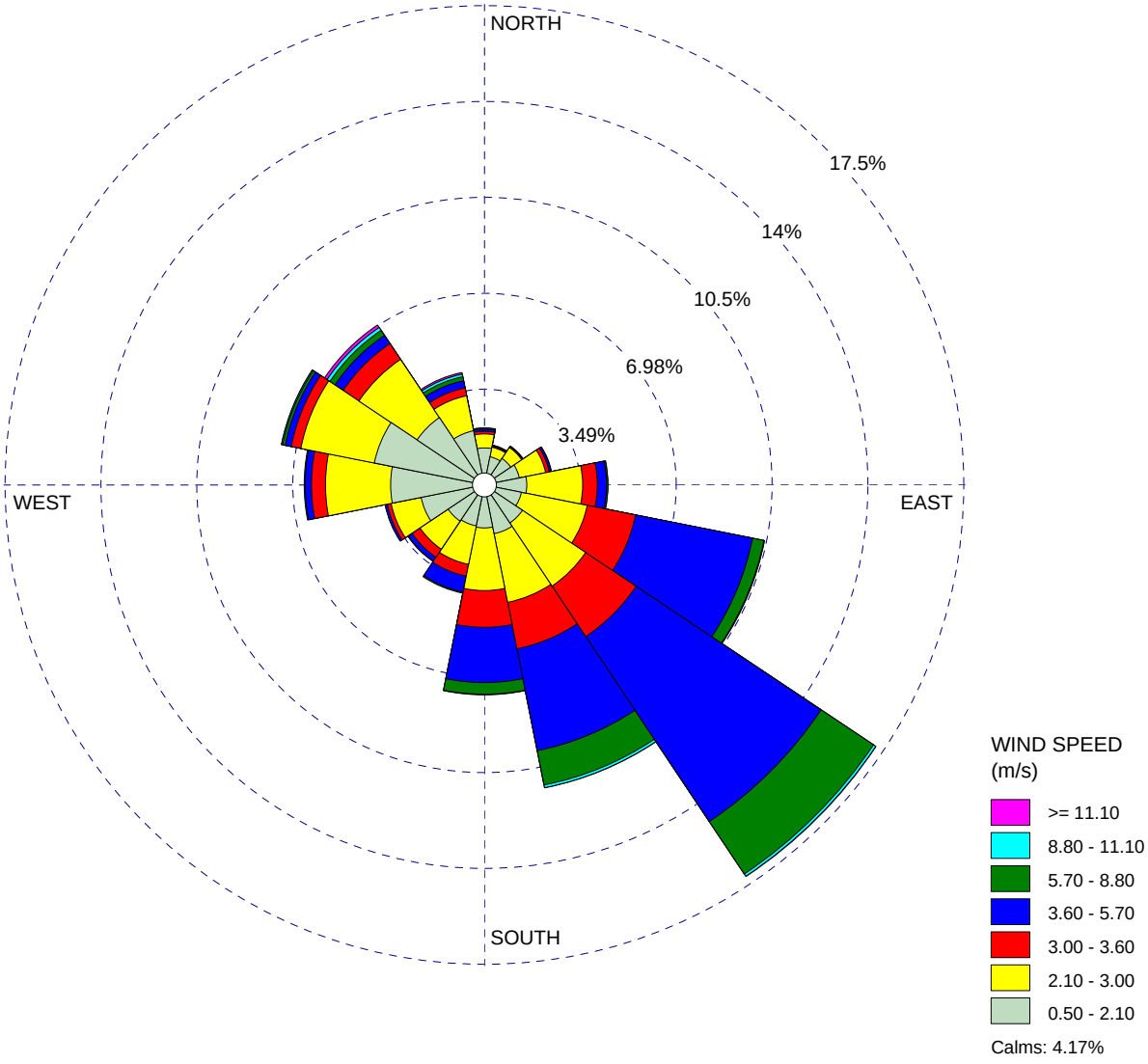
Stability Category	Wind Speed [m/s]	Stability Category	Wind Speed [m/s]
A	1.54	D	8.23
B	3.09	E	10.8
C	5.14	F	No Upper Bound

WIND ROSE PLOT:

Bakersfield Meteorological Station
2018-2022

DISPLAY:

Wind Speed
Flow Vector (blowing to)



COMMENTS: All Hours	DATA PERIOD: **Start Date: 1/1/2018 - 00:00** **End Date: 12/31/2022 - 23:59**	COMPANY NAME: **PlaceWorks**	
		MODELER: **SB**	
	CALM WINDS: **4.17%**	TOTAL COUNT: **43357 hrs.**	
	AVG. WIND SPEED: **2.88 m/s**	DATE: **2/9/2026**	PROJECT NO.: **LOKH-01**

Results Summary

Coffee & Rosedale Commercial Center
Ambient Air Quality Analysis

Concentration - Source Group: AREA

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	364.40185	ug/m^3	309937.91	3917496.85	119.44	0.00	119.44	11/21/2020, 8
3-HR	1ST	290.20014	ug/m^3	309809.29	3917084.17	118.18	0.00	118.18	10/14/2021, 3
8-HR	1ST	208.24980	ug/m^3	309916.26	3917159.81	118.59	0.00	118.59	12/23/2020, 8
24-HR	1ST	155.22241	ug/m^3	309912.11	3917145.48	118.57	0.00	118.57	12/23/2020, 24
PERIOD		59.00023	ug/m^3	309655.87	3917401.71	117.80	0.00	117.80	

Concentration - Source Group: ENERGY

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	404.75198	ug/m^3	309768.56	3917549.78	118.37	0.00	118.37	12/22/2018, 24
3-HR	1ST	363.31725	ug/m^3	309768.56	3917549.78	118.37	0.00	118.37	1/10/2019, 21
8-HR	1ST	277.31752	ug/m^3	309768.56	3917549.78	118.37	0.00	118.37	1/10/2019, 24
24-HR	1ST	191.92523	ug/m^3	309931.54	3917215.28	118.63	0.00	118.63	12/23/2020, 24
PERIOD		64.48406	ug/m^3	309931.54	3917215.28	118.63	0.00	118.63	

Results Summary

Coffee & Rosedale Commercial Center
Ambient Air Quality Analysis

Concentration - Source Group: MOBILE

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	131.80383	ug/m^3	309937.91	3917496.85	119.44	0.00	119.44	12/24/2019, 1
3-HR	1ST	105.91266	ug/m^3	309140.46	3917527.04	116.71	0.00	116.71	12/11/2020, 6
8-HR	1ST	94.83486	ug/m^3	309140.46	3917527.04	116.71	0.00	116.71	1/2/2018, 8
24-HR	1ST	67.63407	ug/m^3	309140.46	3917527.04	116.71	0.00	116.71	2/7/2022, 24
PERIOD		30.98652	ug/m^3	309140.46	3917527.04	116.71	0.00	116.71	