

## **Appendix B**

Air Quality Assessment

Greenhouse Gas Assessment

Health Risk Assessment

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Air Quality Assessment  
9<sup>th</sup> Street and Vineyard Avenue Warehouse Project  
City of Rancho Cucamonga, California

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Appendix A: Air Quality Modeling Data

**LIST OF ABBREVIATED TERMS**

AQMP	air quality management plan
AB	Assembly Bill
ADT	average daily traffic
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CAAQS	California Ambient Air Quality Standards
CCAA	California Clean Air Act
CalEEMod	California Emissions Estimator Model
CEQA	California Environmental Quality Act
CO	carbon monoxide
cy	cubic yards
DPM	diesel particulate matter
EPA	Environmental Protection Agency
FCAA	Federal Clean Air Act
H <sub>2</sub> S	hydrogen sulfide
Pb	lead
LST	local significance threshold
µg/m <sup>3</sup>	micrograms per cubic meter
mg/m <sup>3</sup>	milligrams per cubic meter
NAAQS	National Ambient Air Quality Standards
NO <sub>2</sub>	nitrogen dioxide
NO <sub>x</sub>	nitrogen oxide
O <sub>3</sub>	ozone
PM <sub>10</sub>	particulate matter less than 10 microns in diameter
PM <sub>2.5</sub>	particulate matter less than 2.5 microns in diameter
ppm	parts per million
ROG	reactive organic gases
RTP/SCS	Regional Transportation Plan/Sustainable Communities Strategy
SB	Senate Bill
SRA	source receptor area
SCAB	South Coast Air Basin
SCAQMD	South Coast Air Quality Management District
SCAG	Southern California Association of Governments
sf	square foot
SO <sub>4-2</sub>	sulfates
SO <sub>2</sub>	sulfur dioxide
TAC	toxic air contaminant
C <sub>2</sub> H <sub>3</sub> Cl	vinyl chloride
VOC	volatile organic compound

## 1 INTRODUCTION

This report documents the results of an Air Quality Assessment completed for the 9<sup>th</sup> Street and Vineyard Avenue Warehouse Project. The purpose of this Air Quality Assessment is to evaluate the potential construction and operational emissions associated with the Project and determine the level of impact the Project would have on the environment.

### 1.1 PROJECT LOCATION

The Project site is located south of E. 9<sup>th</sup> Street, directly west of Vineyard Avenue, directly north of the Burlington Northern Santa Fe (BNSF) Railway, and directly east of Baker Avenue in the southwestern area of the City of Rancho Cucamonga. The 47-acre site is located approximately one-mile north of Interstate 10 (I-10), four miles west of Interstate 15 (I-15), 2.7 miles south of the Foothill Freeway (SR-210), and 4.2 miles north of State Route 60 (SR-60); refer to [Exhibit 1: Regional Map](#) and [Exhibit 2: Local Vicinity Map](#).

### 1.2 PROJECT DESCRIPTION

The Project is proposing to demolish four existing buildings (two warehouses and two office buildings) and construct three warehouse buildings with ancillary office space and associated parking and landscaping on approximately 47 acres. As shown in [Exhibit 3: Building Site Configuration](#), the proposed Project would include three warehouse buildings for a total of 1,037,467 square feet, 415 automobile parking spaces, and 195 trailer parking spaces. Vehicular access to the proposed Project would consist of six project driveways; one on 9<sup>th</sup> Street, two on Vineyard Avenue, and three on Baker Avenue. All entrances to the site would be unsignalized.

#### Existing General Plan Land Use and Zoning Designations

The majority of the Project site is zoned Neo-Industrial (NI), with the exception of a small portion of the Project site fronting Baker Avenue and the Project's northern property line having a zoning designation of Industrial Park (IP). Adjacent properties to the north are zoned for Industrial Park, Industrial Employment, Neo-Industrial, and Medium Density Residential. Properties to the west are zoned Low Density Residential. The BNSF railway and properties zoned for Industrial uses are directly south of the site. The site is bordered to the east by Vineyard Avenue and the Cucamonga Creek, a concrete-lined stormwater drainage channel. Cucamonga Creek originates in the San Gabriel Mountains to the north of the site and flows roughly north to south into the Santa Ana River at the Prado Dam.

#### Warehouse Facility

The proposed Project consists of three warehouse buildings for a total of 13,000 square feet of office uses and 1,024,467 square feet of warehouse uses for a total of 1,037,467 square feet; refer to [Table 1: Building Summary](#). It should be noted that the Project cannot exceed a maximum of 358,563 square feet for refrigerated purposes (35 percent of the total warehouse square footage).

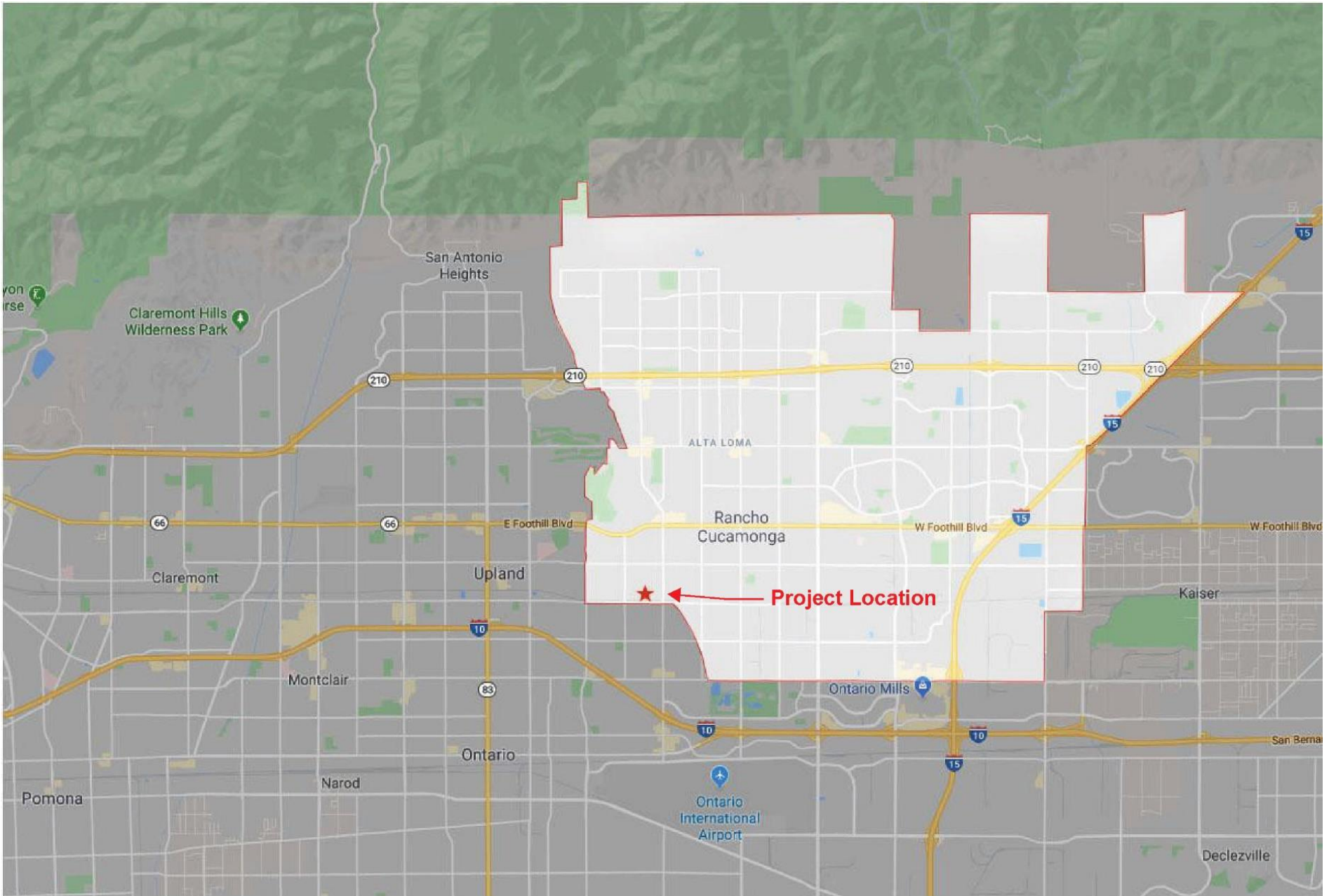
Building	Warehouse (sf)	Office 1st Floor (sf)	Office 2 <sup>nd</sup> Floor (sf)	Total Building (sf)	Automobile Parking Stalls		Trailer Parking Stalls	
					Required	Provided	Required	Provided
Building 1	632,580	4,000	0	636,580	195	195	100	148
Building 2	126,531	2,000	2,000	130,531	68	73	13	13
Building 3	265,356	2,500	2,500	270,356	107	147	28	34
Notes: Square feet (sf)								

### Site Access

Vehicular access to the proposed Project would consist of six project driveways; one on 9<sup>th</sup> Street, two on Vineyard Avenue, and three on Baker Avenue. All entrances to the site would be unsignalized.

### Parking

The Project provides 415 automobile parking stalls, exceeding the requirement of 370 automobile parking stalls. Additionally, 195 trailer parking stalls are provided.



**EXHIBIT 1:** Regional Map  
9th and Vineyard Development Project



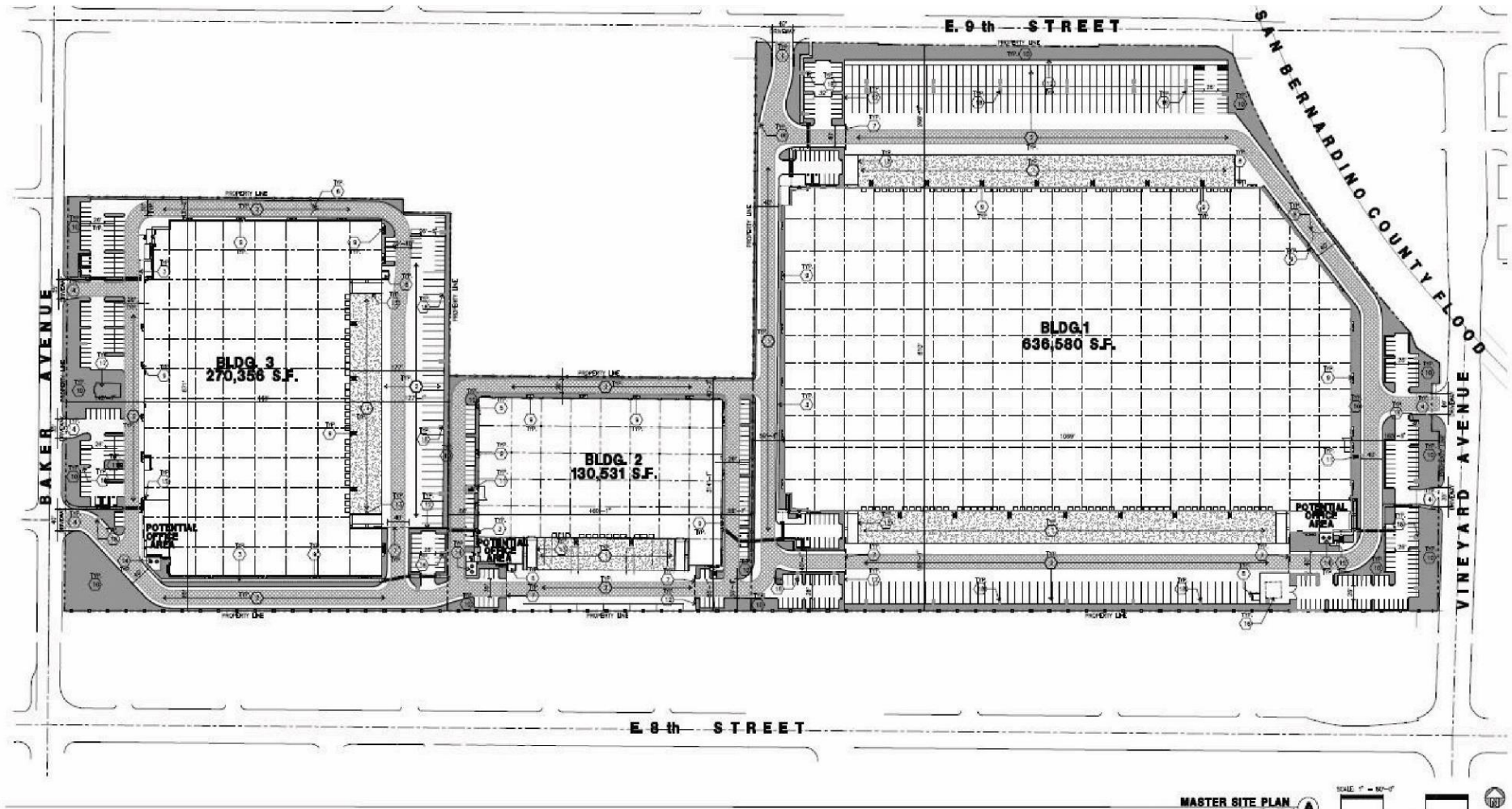




**EXHIBIT 2:** Local Vicinity Map  
9th and Vineyard Development Project







**EXHIBIT 3: Building Site Configuration**  
 9th and Vineyard Development Project



## 2 ENVIRONMENTAL SETTING

### 2.1 CLIMATE AND METEOROLOGY

The California Air Resources Board (CARB) divides the State into 15 air basins that share similar meteorological and topographical features. The Project is located within the South Coast Air Basin (SCAB), which includes the non-desert portions of Los Angeles, Riverside, and San Bernardino counties, as well as all of Orange County. The SCAB is on a coastal plain with connecting broad valleys and low hills, bounded by the Pacific Ocean on the southwest and high mountains forming the remainder of the perimeter<sup>1</sup>. Air quality in this area is determined by such natural factors as topography, meteorology, and climate, in addition to the presence of existing air pollution sources and ambient conditions. These factors along with applicable regulations are discussed below.

The SCAB is part of a semi-permanent high-pressure zone in the eastern Pacific. As a result, the climate is mild and tempered by cool sea breezes. This usually mild weather pattern is occasionally interrupted by periods of extreme heat, winter storms, and Santa Ana winds. The annual average temperature throughout the 6,645-square-mile SCAB ranges from low 60 to high 80 degrees Fahrenheit with little variance. With more oceanic influence, coastal areas show less variability in annual minimum and maximum temperatures than inland areas.

Contrasting the steady pattern of temperature, rainfall is seasonally and annually highly variable. Almost all annual rainfall occurs between the months of November and April. Summer rainfall is reduced to widely scattered thundershowers near the coast, with slightly heavier activity in the east and over the mountains.

Although the SCAB has a semiarid climate, the air closer to the Earth's surface is typically moist because of the presence of a shallow marine layer. Except for occasional periods when dry, continental air is brought into the SCAB by offshore winds, the "ocean effect" is dominant. Periods of heavy fog are frequent and low clouds known as high fog are characteristic climatic features, especially along the coast. Annual average humidity is 70 percent at the coast and 57 percent in the eastern portions of the SCAB.

Wind patterns across the SCAB are characterized by westerly or southwesterly on-shore winds during the day and easterly or northeasterly breezes at night. Wind speed is typically higher during the dry summer months than during the rainy winter. Between periods of wind, air stagnation may occur in both the morning and evening hours. Air stagnation is one of the critical determinants of air quality conditions on any given day. During winter and fall, surface high-pressure systems over the SCAB, combined with other meteorological conditions, result in very strong, downslope Santa Ana winds. These winds normally continue for a few days before predominant meteorological conditions are reestablished.

The mountain ranges to the east affect the diffusion of pollutants by inhibiting the eastward transport of pollutants. Air quality in the SCAB generally ranges from fair to poor and is similar to air quality in most of coastal Southern California. The entire region experiences heavy concentrations of air pollutants during prolonged periods of stable atmospheric conditions.

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<sup>1</sup> South Coast Air Quality Management District, *CEQA Air Quality Handbook*, 1993.

In addition to the characteristic wind patterns that affect the rate and orientation of horizontal pollutant transport, two distinct types of temperature inversions control the vertical depth through which air pollutants are mixed. These inversions are the marine inversion and the radiation inversion. The height of the base of the inversion at any given time is called the “mixing height.” The combination of winds and inversions is a critical determinant leading to highly degraded air quality for the SCAB in the summer and generally good air quality in the winter.

## 2.2 AIR POLLUTANTS OF CONCERN

The air pollutants emitted into the ambient air by stationary and mobile sources are regulated by state and federal laws. These regulated air pollutants are known as “criteria air pollutants” and are categorized into primary and secondary pollutants.

Primary air pollutants are emitted directly from sources. Carbon monoxide (CO), reactive organic gases (ROG), nitrogen oxide (NO<sub>x</sub>), sulfur dioxide (SO<sub>2</sub>), coarse particulate matter (PM<sub>10</sub>), fine particulate matter (PM<sub>2.5</sub>), and lead are primary air pollutants. Of these, CO, NO<sub>x</sub>, SO<sub>2</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub> are criteria pollutants. ROG and NO<sub>x</sub> are criteria pollutant precursors and form secondary criteria pollutants through chemical and photochemical reactions in the atmosphere. For example, the criteria pollutant ozone (O<sub>3</sub>) is formed by a chemical reaction between ROG and NO<sub>x</sub> in the presence of sunlight. O<sub>3</sub> and nitrogen dioxide (NO<sub>2</sub>) are the principal secondary pollutants. Sources and health effects commonly associated with criteria pollutants are summarized in [Table 2: Air Contaminants and Associated Public Health Concerns](#).

### Toxic Air Contaminants

Toxic air contaminants (TACs) are airborne substances that can cause short-term (acute) or long-term (i.e. chronic, carcinogenic or cancer causing) adverse human health effects (i.e. injury or illness). TACs include both organic and inorganic chemical substances. They may be emitted from a variety of common sources including gasoline stations, automobiles, dry cleaners, industrial operations, and painting operations. The current California list of TACs includes more than 200 compounds, including particulate emissions from diesel-fueled engines.

CARB identified diesel particulate matter (DPM) as a toxic air contaminant. DPM differs from other TACs in that it is not a single substance but rather a complex mixture of hundreds of substances. Diesel exhaust is a complex mixture of particles and gases produced when an engine burns diesel fuel. DPM is a concern because it causes lung cancer; many compounds found in diesel exhaust are carcinogenic. DPM includes the particle-phase constituents in diesel exhaust. The chemical composition and particle sizes of DPM vary between different engine types (heavy-duty, light-duty), engine operating conditions (idle, accelerate, decelerate), fuel formulations (high/low sulfur fuel), and the year of the engine. Some short-term (acute) effects of diesel exhaust include eye, nose, throat, and lung irritation, and diesel exhaust can cause coughs, headaches, light-headedness, and nausea. DPM poses the greatest health risk among the TACs. Almost all diesel exhaust particle mass is 10 microns or less in diameter. Due to their extremely small size, these particles can be inhaled and eventually trapped in the bronchial and alveolar regions of the lung.

<b>Pollutant</b>	<b>Major Man-Made Sources</b>	<b>Human Health Effects</b>
Particulate Matter (PM <sub>10</sub> and PM <sub>2.5</sub> )	Power plants, steel mills, chemical plants, unpaved roads and parking lots, wood-burning stoves and fireplaces, automobiles and others.	Increased respiratory symptoms, such as irritation of the airways, coughing, or difficulty breathing; asthma; chronic bronchitis; irregular heartbeat; nonfatal heart attacks; and premature death in people with heart or lung disease. Impairs visibility.
Ozone (O <sub>3</sub> )	Formed by a chemical reaction between reactive organic gases/volatile organic compounds (ROG or VOC) <sup>1</sup> and nitrogen oxides (NO <sub>x</sub> ) in the presence of sunlight. Motor vehicle exhaust industrial emissions, gasoline storage and transport, solvents, paints and landfills.	Irritates and causes inflammation of the mucous membranes and lung airways; causes wheezing, coughing, and pain when inhaling deeply; decreases lung capacity; aggravates lung and heart problems. Damages plants; reduces crop yield.
Sulfur Dioxide (SO <sub>2</sub> )	A colorless gas formed when fuel containing sulfur is burned and when gasoline is extracted from oil. Examples are petroleum refineries, cement manufacturing, metal processing facilities, locomotives, and ships.	Respiratory irritant. Aggravates lung and heart problems. In the presence of moisture and oxygen, sulfur dioxide converts to sulfuric acid which can damage marble, iron and steel. Damages crops and natural vegetation. Impairs visibility. Precursor to acid rain.
Carbon Monoxide (CO)	An odorless, colorless gas formed when carbon in fuel is not burned completely; a component of motor vehicle exhaust.	Reduces the ability of blood to deliver oxygen to vital tissues, affecting the cardiovascular and nervous system. Impairs vision, causes dizziness, and can lead to unconsciousness or death.
Nitrogen Dioxide (NO <sub>2</sub> )	A reddish-brown gas formed during fuel combustion for motor vehicles and industrial sources. Sources include motor vehicles, electric utilities, and other sources that burn fuel.	Respiratory irritant; aggravates lung and heart problems. Precursor to O <sub>3</sub> . Contributes to global warming and nutrient overloading which deteriorates water quality. Causes brown discoloration of the atmosphere.
Lead (Pb)	Lead is a metal found naturally in the environment as well as in manufactured products. The major sources of lead emissions have historically been motor vehicles (such as cars and trucks) and industrial sources. Due to the phase out of leaded gasoline, metals processing is the major source of lead emissions to the air today. The highest levels of lead in air are generally found near lead smelters. Other stationary sources are waste incinerators, utilities, and lead-acid battery manufacturers.	Exposure to lead occurs mainly through inhalation of air and ingestion of lead in food, water, soil, or dust. It accumulates in the blood, bones, and soft tissues and can adversely affect the kidneys, liver, nervous system, and other organs. Excessive exposure to lead may cause neurological impairments such as seizures, mental retardation, and behavioral disorders. Even at low doses, lead exposure is associated with damage to the nervous systems of fetuses and young children, resulting in learning deficits and lowered IQ.
<p><sup>1</sup> Volatile Organic Compounds (VOCs or Reactive Organic Gases [ROG]) are hydrocarbons/organic gases that are formed solely of hydrogen and carbon. There are several subsets of organic gases including ROGs and VOCs. Both ROGs and VOCs are emitted from the incomplete combustion of hydrocarbons or other carbon-based fuels. The major sources of hydrocarbons are combustion engine exhaust, oil refineries, and oil-fueled power plants; other common sources are petroleum fuels, solvents, dry cleaning solutions, and paint (via evaporation).</p>		
<p>Source: California Air Pollution Control Officers Association (CAPCOA), <i>Health Effects</i>, <a href="http://www.capcoa.org/health-effects/">http://www.capcoa.org/health-effects/</a>, Accessed November 19, 2019.</p>		

## Ambient Air Quality

CARB monitors ambient air quality at approximately 250 air monitoring stations across the State. These stations usually measure pollutant concentrations ten feet above ground level; therefore, air quality is often referred to in terms of ground-level concentrations. Existing levels of ambient air quality, historical trends, and projections near the Project are documented by measurements made by the South Coast Air Quality Management District (SCAQMD), the air pollution regulatory agency in the SCAB that maintains air quality monitoring stations which process ambient air quality measurements.

Pollutants of concern in the SCAB include O<sub>3</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub>. The closest air monitoring station to the Project that monitors ambient concentrations of these pollutants is the Upland Monitoring Station (located approximately 1.1 miles to the northwest). Local air quality data from 2016 to 2018 are provided in [Table 3: Ambient Air Quality Data](#), which lists the monitored maximum concentrations and number of exceedances of state or federal air quality standards for each year.

<b>Table 3: Ambient Air Quality Data</b>			
<b>Criteria Pollutant</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>
<b>Ozone (O<sub>3</sub>)<sup>1</sup></b>			
1-hour Maximum Concentration (ppm)	0.156	0.150	0.133
8-hour Maximum Concentration (ppm)	0.116	0.127	0.111
<i>Number of Days Standard Exceeded</i>			
CAAQS 1-hour (>0.09 ppm)	53	66	25
NAAQS 8-hour (>0.070 ppm)	88	87	52
<b>Carbon Monoxide (CO)<sup>1</sup></b>			
1-hour Maximum Concentration (ppm)	1.710	1.873	1.730
<i>Number of Days Standard Exceeded</i>			
NAAQS 1-hour (>35 ppm)	0	0	0
CAAQS 1-hour (>20 ppm)	0	0	0
<b>Nitrogen Dioxide (NO<sub>2</sub>)<sup>1</sup></b>			
1-hour Maximum Concentration (ppm)	0.070	0.640	0.059
<i>Number of Days Standard Exceeded</i>			
NAAQS 1-hour (>0.100 ppm)	0	0	0
CAAQS 1-hour (>0.18 ppm)	0	0	0
<b>Particulate Matter Less Than 10 Microns (PM<sub>10</sub>)<sup>1</sup></b>			
National 24-hour Maximum Concentration	184.0	106.5	156.6
State 24-hour Maximum Concentration	—	—	—
State Annual Average Concentration (CAAQS=20 µg/m <sup>3</sup> )	—	—	—
<i>Number of Days Standard Exceeded</i>			
NAAQS 24-hour (>150 µg/m <sup>3</sup> )	1.0	0.0	—
CAAQS 24-hour (>50 µg/m <sup>3</sup> )	—	—	—
<b>Particulate Matter Less Than 2.5 Microns (PM<sub>2.5</sub>)<sup>1</sup></b>			
National 24-hour Maximum Concentration	—	—	—
State 24-hour Maximum Concentration	44.9	53.2	47.9
<i>Number of Days Standard Exceeded</i>			
NAAQS 24-hour (>35 µg/m <sup>3</sup> )	—	—	—
NAAQS = National Ambient Air Quality Standards; CAAQS = California Ambient Air Quality Standards; ppm = parts per million; µg/m <sup>3</sup> = micrograms per cubic meter; — = not measured			
<sup>1</sup> Measurements taken at the Upland Monitoring Station at 1350 San Bernardino Road, Upland, California 91786 (CARB# 36175)			
Source: All pollutant measurements are from the CARB Aerometric Data Analysis and Management system database ( <a href="https://www.arb.ca.gov/adam">https://www.arb.ca.gov/adam</a> ) except for CO, which were retrieved from the CARB Air Quality and Meteorological Information System ( <a href="https://www.arb.ca.gov/aqmis2/aqdselect.php">https://www.arb.ca.gov/aqmis2/aqdselect.php</a> ).			

## 2.3 SENSITIVE RECEPTORS

Sensitive populations are more susceptible to the effects of air pollution than is the general population. Sensitive receptors that are in proximity to localized sources of toxics are of particular concern. Land uses considered sensitive receptors include residences, schools, playgrounds, childcare centers, long-term health care facilities, rehabilitation centers, convalescent centers, and retirement homes. Sensitive land uses surrounding the Project consist mostly of single-family residential communities. Sensitive land uses nearest to the Project are shown in [Table 4: Sensitive Receptors](#).

<b>Receptor Description</b>	<b>Distance and Direction from the Project</b>
Single-Family Residential Community	Adjacent to the north
Single-Family Residential Community	80 feet to the west
San Antonio Christian School	260 feet to the south
Single-Family Residential Community	260 feet to the south
Kid's Club	485 feet to the south
Los Amigos Elementary School	375 feet to the northwest
Single-Family Residential Community	390 feet to the southeast
Chinese Christian Family Church	690 feet to the north
Dorothy Gibson High School	1,560 feet to the south
Arroyo Elementary School	1,560 feet to the south
Bear Gulch Park	2,000 feet to the northeast
Bear Gulch Elementary School	2,400 feet to the northeast
Valley View High School	2,220 feet to the south



### 3 REGULATORY SETTING

#### 3.1 FEDERAL

##### Federal Clean Air Act

Air quality is federally protected by the Federal Clean Air Act (FCAA) and its amendments. Under the FCAA, the United States Environmental Protection Agency (EPA) developed the primary and secondary National Ambient Air Quality Standards (NAAQS) for the criteria air pollutants including O<sub>3</sub>, NO<sub>2</sub>, CO, SO<sub>2</sub>, PM<sub>10</sub>, PM<sub>2.5</sub>, and lead. Proposed projects in or near nonattainment areas could be subject to more stringent air-permitting requirements. The FCAA requires each state to prepare a State Implementation Plan to demonstrate how it will attain the NAAQS within the federally imposed deadlines.

The EPA can withhold certain transportation funds from states that fail to comply with the planning requirements of the FCAA. If a state fails to correct these planning deficiencies within two years of Federal notification, the EPA is required to develop a Federal implementation plan for the identified nonattainment area or areas. The provisions of 40 Code of Federal Regulations Parts 51 and 93 apply in all nonattainment and maintenance areas for transportation-related criteria pollutants for which the area is designated nonattainment or has a maintenance plan. The EPA has designated enforcement of air pollution control regulations to the individual states. Applicable federal standards are summarized in Table 5: State and Federal Ambient Air Quality Standards.

On September 27, 2019, the National Highway Traffic Safety Administration (NHTSA) in conjunction with the EPA published the “Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule Part One: One National Program.” (84 Fed. Reg. 51,310 (Sept. 27, 2019.)) The Part One Rule revokes California’s authority to set its own GHG emissions standards and set zero-emission vehicle mandates in California. On March 31, 2020, the U.S. EPA and NHTSA finalized rulemaking for SAFE Part Two sets emissions standards and corporate average fuel economy (CAFE) standards for passenger vehicles and light duty trucks, covering model years 2021-2026. The NHTSA and EPA finalized the SAFE Vehicle Rule which increased stringency of CAFE emissions standards by 1.5 percent each year through model year 2026.

#### 3.2 STATE OF CALIFORNIA

##### California Air Resources Board

CARB administers the air quality policy in California. The California Ambient Air Quality Standards (CAAQS) were established in 1969 pursuant to the Mulford-Carrell Act. These standards, included with the NAAQS in Table 5, are generally more stringent and apply to more pollutants than the NAAQS. In addition to the criteria pollutants, CAAQS have been established for visibility reducing particulates, hydrogen sulfide, and sulfates.



**Table 5: State and Federal Ambient Air Quality Standards**

Pollutant	Averaging Time	State Standards <sup>1</sup>	Federal Standards <sup>2</sup>
Ozone (O <sub>3</sub> ) <sup>2, 5, 7</sup>	8 Hour	0.070 ppm (137 µg/m <sup>3</sup> )	0.070 ppm
	1 Hour	0.09 ppm (180 µg/m <sup>3</sup> )	NA
Carbon Monoxide (CO)	8 Hour	9.0 ppm (10 mg/m <sup>3</sup> )	9 ppm (10 mg/m <sup>3</sup> )
	1 Hour	20 ppm (23 mg/m <sup>3</sup> )	35 ppm (40 mg/m <sup>3</sup> )
Nitrogen Dioxide (NO <sub>2</sub> )	1 Hour	0.18 ppm (339 µg/m <sup>3</sup> )	0.10 ppm <sup>11</sup>
	Annual Arithmetic Mean	0.030 ppm (57 µg/m <sup>3</sup> )	0.053 ppm (100 µg/m <sup>3</sup> )
Sulfur Dioxide (SO <sub>2</sub> ) <sup>8</sup>	24 Hour	0.04 ppm (105 µg/m <sup>3</sup> )	0.14 ppm (365 µg/m <sup>3</sup> )
	1 Hour	0.25 ppm (655 µg/m <sup>3</sup> )	0.075 ppm (196 µg/m <sup>3</sup> )
	Annual Arithmetic Mean	NA	0.03 ppm (80 µg/m <sup>3</sup> )
Particulate Matter (PM <sub>10</sub> ) <sup>1, 3, 6</sup>	24-Hour	50 µg/m <sup>3</sup>	150 µg/m <sup>3</sup>
	Annual Arithmetic Mean	20 µg/m <sup>3</sup>	NA
Fine Particulate Matter (PM <sub>2.5</sub> ) <sup>3, 4, 6, 9</sup>	24-Hour	NA	35 µg/m <sup>3</sup>
	Annual Arithmetic Mean	12 µg/m <sup>3</sup>	12 µg/m <sup>3</sup>
Sulfates (SO <sub>4-2</sub> )	24 Hour	25 µg/m <sup>3</sup>	NA
Lead (Pb) <sup>10, 11</sup>	30-Day Average	1.5 µg/m <sup>3</sup>	NA
	Calendar Quarter	NA	1.5 µg/m <sup>3</sup>
	Rolling 3-Month Average	NA	0.15 µg/m <sup>3</sup>
Hydrogen Sulfide (H <sub>2</sub> S)	1 Hour	0.03 ppm (0.45 µg/m <sup>3</sup> )	NA
Vinyl Chloride (C <sub>2</sub> H <sub>3</sub> Cl) <sup>10</sup>	24 Hour	0.01 ppm (26 µg/m <sup>3</sup> )	NA

ppm = parts per million; µg/m<sup>3</sup> = micrograms per cubic meter; mg/m<sup>3</sup> = milligrams per cubic meter; – = no information available.

<sup>1</sup> California standards for O<sub>3</sub>, carbon monoxide (except Lake Tahoe), sulfur dioxide (1-hour and 24-hour), nitrogen dioxide, suspended particulate matter - PM<sub>10</sub>, and visibility reducing particles are values that are not to be exceeded. The standards for sulfates, Lake Tahoe carbon monoxide, lead, hydrogen sulfide, and vinyl chloride are not to be equalled or exceeded. If the standard is for a 1-hour, 8-hour or 24-hour average (i.e. all standards except for lead and the PM<sub>10</sub> annual standard), then some measurements may be excluded. Measurements are excluded that CARB determines would occur less than once per year on the average. The Lake Tahoe carbon monoxide standard is 6.0 ppm, a level one-half the national standard and two-thirds the State standard.

<sup>2</sup> National standards shown are the "primary standards" designed to protect public health. National standards other than for O<sub>3</sub>, particulates and those based on annual averages are not to be exceeded more than once a year. The 1-hour O<sub>3</sub> standard is attained if, during the most recent three-year period, the average number of days per year with maximum hourly concentrations above the standard is equal to or less than one. The 8-hour O<sub>3</sub> standard is attained when the 3-year average of the 4<sup>th</sup> highest daily concentrations is 0.070 ppm or less. The 24-hour PM<sub>10</sub> standard is attained when the 3-year average of the 99<sup>th</sup> percentile of monitored concentrations is less than 150 µg/m<sup>3</sup>. The 24-hour PM<sub>2.5</sub> standard is attained when the 3-year average of 98<sup>th</sup> percentiles is less than 35 µg/m<sup>3</sup>.

<sup>3</sup> Except for the national particulate standards, annual standards are met if the annual average falls below the standard at every site. The national annual particulate standard for PM<sub>10</sub> is met if the 3-year average falls below the standard at every site. The annual PM<sub>2.5</sub> standard is met if the 3-year average of annual averages spatially-averaged across officially designed clusters of sites falls below the standard.

NAAQS are set by the EPA at levels determined to be protective of public health with an adequate margin of safety.

<sup>4</sup> On October 1, 2015, the national 8-hour O<sub>3</sub> primary and secondary standards were lowered from 0.075 to 0.070 ppm. An area will meet the standard if the fourth-highest maximum daily 8-hour O<sub>3</sub> concentration per year, averaged over three years, is equal to or less than 0.070 ppm. EPA will make recommendations on attainment designations by October 1, 2016, and issue final designations October 1, 2017. Nonattainment areas will have until 2020 to late 2037 to meet the health standard, with attainment dates varying based on the O<sub>3</sub> level in the area.

<sup>5</sup> The national 1-hour O<sub>3</sub> standard was revoked by the EPA on June 15, 2005.

<sup>6</sup> In June 2002, CARB established new annual standards for PM<sub>2.5</sub> and PM<sub>10</sub>.

<sup>7</sup> The 8-hour California O<sub>3</sub> standard was approved by the CARB on April 28, 2005 and became effective on May 17, 2006.

<sup>8</sup> On June 2, 2010, the EPA established a new 1-hour SO<sub>2</sub> standard, effective August 23, 2010, which is based on the 3-year average of the annual 99<sup>th</sup> percentile of 1-hour daily maximum concentrations. The existing 0.030 ppm annual and 0.14 ppm 24-hour SO<sub>2</sub> NAAQS however must continue to be used until one year following EPA initial designations of the new 1-hour SO<sub>2</sub> NAAQS.

<sup>9</sup> In December 2012, EPA strengthened the annual PM<sub>2.5</sub> NAAQS from 15.0 to 12.0 µg/m<sup>3</sup>. In December 2014, the EPA issued final area designations for the 2012 primary annual PM<sub>2.5</sub> NAAQS. Areas designated "unclassifiable/attainment" must continue to take steps to prevent their air quality from deteriorating to unhealthy levels. The effective date of this standard is April 15, 2015.

<sup>10</sup> CARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure below which there are no adverse health effects determined.

<sup>11</sup> National lead standard, rolling 3-month average: final rule signed October 15, 2008. Final designations effective December 31, 2011.

Source: South Coast Air Quality Management District, *Air Quality Management Plan*, 2016; California Air Resources Board, *Ambient Air Quality Standards*, May 6, 2016.

The California Clean Air Act (CCAA), which was approved in 1988, requires that each local air district prepare and maintain an Air Quality Management Plan (AQMP) to achieve compliance with CAAQS. These AQMPs also serve as the basis for the preparation of the State Implementation Plan for meeting federal clean air standards for the State of California. Like the EPA, CARB also designates areas within California as either attainment or nonattainment for each criteria pollutant based on whether the CAAQS have been achieved. Under the CCAA, areas are designated as nonattainment for a pollutant if air quality data shows that a state standard for the pollutant was violated at least once during the previous three calendar years. Exceedances that are affected by highly irregular or infrequent events such as wildfires, volcanoes, etc. are not considered violations of a state standard, and are not used as a basis for designating areas as nonattainment. The applicable State standards are summarized in [Table 5](#).

### 3.3 REGIONAL

#### South Coast Air Quality Management District

The SCAQMD is the air pollution control agency for Orange County and the urban portions of Los Angeles, Riverside, and San Bernardino Counties. The agency's primary responsibility is ensuring that state and federal ambient air quality standards are attained and maintained in the SCAB. The SCAQMD is also responsible for adopting and enforcing rules and regulations concerning air pollutant sources, issuing permits for stationary sources of air pollutants, inspecting stationary sources of air pollutants, responding to citizen complaints, monitoring ambient air quality and meteorological conditions, awarding grants to reduce motor vehicle emissions, conducting public education campaigns, and many other activities. All projects are subject to SCAQMD rules and regulations in effect at the time of construction.

The SCAQMD is also the lead agency in charge of developing the AQMP, with input from the Southern California Association of Governments (SCAG) and CARB. The AQMP is a comprehensive plan that includes control strategies for stationary and area sources, as well as for on-road and off-road mobile sources. SCAG has the primary responsibility for providing future growth projections and the development and implementation of transportation control measures. CARB, in coordination with federal agencies, provides the control element for mobile sources.

The 2016 AQMP was adopted by the SCAQMD Governing Board on March 3, 2017. The purpose of the AQMP is to set forth a comprehensive and integrated program that would lead the SCAB into compliance with the federal 24-hour PM<sub>2.5</sub> air quality standard, and to provide an update to the SCAQMD's commitments towards meeting the federal 8-hour O<sub>3</sub> standards. The AQMP incorporates the latest scientific and technological information and planning assumptions, including SCAG growth projections and updated emission inventory methodologies for various source categories.

The SCAQMD has published the *CEQA Air Quality Handbook* (approved by the SCAQMD Governing Board in 1993 and augmented with guidance for Local Significance Thresholds [LST] in 2008). The SCAQMD guidance helps local government agencies and consultants to develop environmental documents required by California Environmental Quality Act (CEQA) and provides identification of suggested thresholds of significance for criteria pollutants for both construction and operation (see discussion of thresholds below). With the help of the *CEQA Air Quality Handbook* and associated guidance, local land use planners and consultants are able to analyze and document how proposed and existing projects affect air quality in order to meet the requirements of the CEQA review process. The SCAQMD periodically provides supplemental guidance and updates to the handbook on their website.

SCAG is the regional planning agency for Los Angeles, Orange, Ventura, Riverside, San Bernardino, and Imperial Counties and serves as a forum for regional issues relating to transportation, the economy, community development, and the environment. Under federal law, SCAG is designated as a Metropolitan Planning Organization and under State law as a Regional Transportation Planning Agency and a Council of Governments.

The state and federal attainment status designations for the SCAB are summarized in Table 6: South Coast Air Basin Attainment Status. The SCAB is currently designated as a nonattainment area with respect to the State O<sub>3</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub> standards, as well as the national 8-hour O<sub>3</sub> and PM<sub>2.5</sub> standards. The SCAB is designated as attainment or unclassified for the remaining state and federal standards.

<b>Pollutant</b>	<b>State</b>	<b>Federal</b>
Ozone (O <sub>3</sub> ) (1 Hour Standard)	Non-Attainment	Non-Attainment (Extreme)
Ozone (O <sub>3</sub> ) (8 Hour Standard)	Non-Attainment	Non-Attainment (Extreme)
Particulate Matter (PM <sub>2.5</sub> ) (24 Hour Standard)	–	Non-Attainment (Serious)
Particulate Matter (PM <sub>2.5</sub> ) (Annual Standard)	Non-Attainment	Non-Attainment (Moderate)
Particulate Matter (PM <sub>10</sub> ) (24 Hour Standard)	Non-Attainment	Attainment (Maintenance)
Particulate Matter (PM <sub>10</sub> ) (Annual Standard)	Non-Attainment	–
Carbon Monoxide (CO) (1 Hour Standard)	Attainment	Attainment (Maintenance)
Carbon Monoxide (CO) (8 Hour Standard)	Attainment	Attainment (Maintenance)
Nitrogen Dioxide (NO <sub>2</sub> ) (1 Hour Standard)	Attainment	Unclassifiable/Attainment
Nitrogen Dioxide (NO <sub>2</sub> ) (Annual Standard)	Attainment	Attainment (Maintenance)
Sulfur Dioxide (SO <sub>2</sub> ) (1 Hour Standard)	Attainment	Unclassifiable/Attainment
Sulfur Dioxide (SO <sub>2</sub> ) (24 Hour Standard)	Attainment	–
Lead (Pb) (30 Day Standard)	–	Unclassifiable/Attainment
Lead (Pb) (3 Month Standard)	Attainment	–
Sulfates (SO <sub>4-2</sub> ) (24 Hour Standard)	Attainment	–
Hydrogen Sulfide (H <sub>2</sub> S) (1 Hour Standard)	Unclassified	–

Source: South Coast Air Quality Management District, *Air Quality Management Plan*, 2016; United States Environmental Protection Agency, *Nonattainment Areas for Criteria Pollutants (Green Book)*, 2018.

The following is a list of SCAQMD rules that are required of construction activities associated with the Project:

- **Rule 402 (Nuisance)** – This rule prohibits the 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. This rule does not apply to odors emanating from agricultural operations necessary for the growing of crops or the raising of fowl or animals.

- **Rule 403 (Fugitive Dust)** – This rule requires fugitive dust sources to implement best available control measures for all sources, and all forms of visible particulate matter are prohibited from crossing any property line. This rule is intended to reduce PM<sub>10</sub> emissions from any transportation, handling, construction, or storage activity that has the potential to generate fugitive dust. PM<sub>10</sub> suppression techniques are summarized below.
  - a) Portions of a construction site to remain inactive longer than a period of three months will be seeded and watered until grass cover is grown or otherwise stabilized.
  - b) All on-site roads are paved as soon as feasible, watered regularly, or chemically stabilized.
  - c) All material transported off-site will be either sufficiently watered or securely covered to prevent excessive amounts of dust.
  - d) The area disturbed by clearing, grading, earthmoving, or excavation operations will be minimized at all times.
  - e) Where vehicles leave a construction site and enter adjacent public streets, the streets will be swept daily or washed down following the work day to remove soil from pavement.
- **Rule 1113 (Architectural Coatings)** – This rule requires manufacturers, distributors, and end users of architectural and industrial maintenance coatings to reduce ROG emissions from the use of these coatings, primarily by placing limits on the ROG content of various coating categories.

**Rule 2305 (Warehouse Indirect Source Rule)** - Rule 2305 was adopted by the SCAQMD Governing Board on May 7, 2021 to reduce NO<sub>x</sub> and particulate matter emissions associated with warehouses and mobile sources attracted to warehouses. This rule applies to all existing and proposed warehouses over 100,000 square feet located in the SCAQMD. Rule 2305 requires warehouse operators to track annual vehicle miles traveled associated with truck trips to and from the warehouse. These trip miles are used to calculate the warehouses WAIRE (Warehouse Actions and Investments to Reduce Emissions) Points Compliance Obligation. WAIRE Points are earned based on emission reduction measures and warehouse operators are required to submit an annual WAIRE Report which includes truck trip data and emission reduction measures. Reduction strategies listed in the WAIRE menu include acquire zero emission (ZE) or near zero emission (NZE) trucks; require ZE/NZE truck visits; require ZE yard trucks; install on-site ZE charging/fueling infrastructure; install onsite energy systems; and install filtration systems in residences, schools, and other buildings in the adjacent community. Warehouse operators that do not earn a sufficient number of WAIRE points to satisfy the WAIRE Points Compliance Obligation would be required to pay a mitigation fee. Funds from the mitigation fee will be used to incentivize the purchase of cleaner trucks and charging/fueling infrastructure in communities nearby.

### 3.4 LOCAL

#### PlanRC, City of Rancho Cucamonga General Plan Update

The City of Rancho Cucamonga General Plan (Rancho Cucamonga GP) is a roadmap that encompasses the aspirations and values of the community. Where inconsistencies exist, if any, they are addressed in the respective impact analysis below. Rancho Cucamonga GP Policies that address air quality impacts include the following:

#### Resource Conservation Element

The Resource Conservation Element of the Rancho Cucamonga GP provides guidance regarding the City's natural resources and their preservation.

**Goal RC-5** Local Air Quality. Healthy air quality for all residents.

**Policy RC-5.1** Pollutant Sources. Minimize increases of new air pollutant emissions in the city and encourage the use of advance control technologies and clean manufacturing techniques.

**Policy RC-5.3** Barriers and Buffers. Require design features such as site and building orientation, trees or other landscaped barriers, artificial barriers, ventilation and filtration, construction, and operational practices to reduce air quality impacts during construction and operation of large stationary and mobile sources.

**Policy RC-5.4** Health Risk Assessment. Consider the health impacts of development of sensitive receptors within 500 feet of a freeway, rail line, arterial, collector or transit corridor sources using health risk assessments to understand potential impacts.

**Policy RC-5.5** Impacts to Air Quality. Ensure new development does not disproportionately burden residents, due to age, culture, ethnicity, gender, race, socioeconomic status, or geographic location, with health effects from air pollution. Prioritize resource allocation, investments, and decision making that improves air quality for residents disproportionately burdened by air pollution because of historical land use planning decisions and overarching institutional and structural inequities.

**Policy RC-5.6** Community Benefit Plan. Require that any land use generating or accommodating more than 100 trucks per day, more than 40 trucks with operating transport refrigeration units (TRUs) per day, or where TRU unit operations exceed 300 hours per week, provide a community benefit plan demonstrating an offset to community impacts of the truck traffic.

**Policy RC-5.8** New Localized Air Pollution Sources Near Existing Sensitive Receptors. Avoid placing land uses that accommodate more than 100 trucks per day, more than 40 trucks with operating transport refrigeration units (TRUs) per day, or where TRU unit operations exceed 300 hours per week within 1,000 feet of homes, schools, hospitals, and childcare facilities.

**Policy RC-5.9** Truck Hook-Ups at New Industrial or Commercial Developments. Require new industrial or commercial developments at which heavy-duty diesel trucks idle on-site to install electric truck hook-ups in docks, bays, and parking areas.

- Policy RC-5.11** Dust and Odor. Require new construction to include measures to minimize dust and odor during construction and operation.
- Goal RC-6** Climate Change. A resilient community that reduces its contributions to a changing climate and is prepared for the health and safety risks of climate change.
- Policy RC-6.8** Reduce Vehicle Trips. Require Transportation Demand Management (TDM) strategies, such as employer provided transit pass/parking credit, bicycle parking, bike lockers, highspeed communications infrastructure for telecommuting, and carpooling incentives, for large office, commercial, and industrial uses.
- Policy RC-6.10** Green Building. Encourage the construction of buildings that are certified Leadership in Energy and Environmental Design (LEED) or equivalent, emphasizing technologies that reduce GHG emissions.
- Policy RC-6.11** Climate-Appropriate Building Types. Encourage alternative building types that are more sensitive to and designed for passive heating and cooling within the arid environment found in Rancho Cucamonga.
- Policy RC-6.13** Designing for Warming Temperatures. When reviewing development proposals, encourage applicants and designers to consider warming temperatures in the design of cooling systems.
- Policy RC-6.14** Designing for Changing Precipitation Patterns. When reviewing development proposals, encourage applicants to consider stormwater control strategies and systems for sensitivity to changes in precipitation regimes and consider adjusting those strategies to accommodate future precipitation regimes.
- Policy RC-6.15** Heat Island Reductions. Require heat island reduction strategies in new developments such as light-colored paving, permeable paving, right-sized parking requirements, vegetative cover and planting, substantial tree canopy coverage, and south and west side tree planting.
- Policy RC-6.16** Public Realm Shading. Strive to improve shading in public spaces, such as bus stops, sidewalks and public parks and plazas, through the use of trees, shelters, awnings, gazebos, fabric shading and other creative cooling strategies.
- Goal RC-7** Energy. An energy efficient community that relies primarily on renewable and non-polluting energy sources.
- Policy RC-7.2** New EV Charging. Require new multifamily residential, commercial, office, and industrial development to include charging stations, or include the wiring for them.
- Policy RC-7.4** New Off-Road Equipment. When feasible, require that off road equipment such as forklifts and yard tugs necessary for the operations of all new commercial and industrial developments be electric or fueled using clean fuel sources.
- Policy RC-7.7** Sustainable Design. Encourage sustainable building and site design that meets the standards of Leadership in Energy and Environmental Design (LEED), Sustainable Sites, Living Building Challenge, or similar certification.
- Policy RC-7.9** Passive Solar Design. Require new buildings to incorporate energy efficient building and site design strategies for the arid environment that include appropriate solar orientation, thermal mass, use of natural daylight and ventilation, and shading.

**Policy RC-7.10** Alternative Energy. Continue to promote the incorporation of alternative energy generation (e.g., solar, wind, biomass) in public and private development.

**Policy RC-7.12** Solar Access. Prohibit new development and renovations that impair adjacent buildings' solar access, unless it can be demonstrated that the shading benefits substantially offset the impacts of solar energy generation potential.



## 4 SIGNIFICANCE CRITERIA AND METHODOLOGY

### 4.1 AIR QUALITY THRESHOLDS

Based upon the criteria derived from Appendix G of the CEQA Guidelines, a Project normally would have a significant effect on the environment if it would:

- Conflict with or obstruct implementation of the applicable air quality plan.
- Result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is in nonattainment under an applicable state or federal ambient air quality standard.
- Expose sensitive receptors to substantial pollutant concentrations.
- Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.
- Exceed SCAQMD Thresholds.

#### SCAQMD Thresholds

The significance criteria established by SCAQMD may be relied upon to make the above determinations. According to the SCAQMD, an air quality impact is considered significant if the Project would violate any ambient air quality standard, contribute substantially to an existing or projected air quality violation, or expose sensitive receptors to substantial pollutant concentrations. The SCAQMD has established thresholds of significance for air quality during construction and operational activities of land use development projects, as shown in Table 7: South Coast Air Quality Management District Emissions Thresholds (Maximum Pounds Per Day).

Criteria Air Pollutants and Precursors	Construction-Related	Operational-Related
Reactive Organic Gases (ROG)	75	55
Carbon Monoxide (CO)	550	550
Nitrogen Oxides (NO <sub>x</sub> )	100	55
Sulfur Oxides (SO <sub>x</sub> )	150	150
Coarse Particulates (PM <sub>10</sub> )	150	150
Fine Particulates (PM <sub>2.5</sub> )	55	55

Source: South Coast Air Quality Management District, *SCAQMD Air Quality Significance Thresholds*, March 2019.

#### Localized Carbon Monoxide

In addition to the daily thresholds listed above, development associated with the Project would also be subject to the ambient air quality standards. These are addressed through an analysis of localized CO impacts. The significance of localized impacts depends on whether ambient CO levels near the Project are above state and federal CO standards (the more stringent California standards are 20 ppm for 1-hour and 9 ppm for 8-hour). The SCAB has been designated as attainment under the 1-hour and 8-hour standards.



## Localized Significance Thresholds

In addition to the CO hotspot analysis, the SCAQMD developed Localized Significance Thresholds (LSTs) for emissions of NO<sub>2</sub>, CO, PM<sub>10</sub>, and PM<sub>2.5</sub> generated at new development sites (off-site mobile source emissions are not included in the LST analysis). LSTs represent the maximum emissions that can be generated at a project without expecting to cause or substantially contribute to an exceedance of the most stringent state or federal ambient air quality standards. LSTs are based on the ambient concentrations of that pollutant within the Project source receptor area (SRA), as demarcated by the SCAQMD, and the distance to the nearest sensitive receptor. LST analysis for construction is applicable for all projects that disturb 5 acres or less on a single day. The City of Rancho Cucamonga is located within SCAQMD SRA 32.

Table 8: Local Significance Thresholds for Construction/Operations (Maximum Pounds Per Day), shows the LSTs for 1-acre, 2-acre, and 5-acre projects in SRA 32 with sensitive receptors located within 25 meters of the Project. LSTs associated with all acreage categories are provided in Table 8 for informational purposes. Table 8 shows that the LSTs increase as acreages increase. It should be noted that LSTs are screening thresholds and are therefore conservative. The construction LST acreage is determined based daily acreage disturbed. The operational LST acreage is based on the total area of the Project site. Although the Project site is greater than five acres, the 5-acre operational LSTs are conservatively used to evaluate the Project.

Project Size	Nitrogen Oxide (NO <sub>x</sub> )	Carbon Monoxide (CO)	Coarse Particulates (PM <sub>10</sub> )	Fine Particulates (PM <sub>2.5</sub> )
1 Acre	118/118	863/863	5/2	4/1
2 Acres	170/170	1,232/1,232	6/2	5/2
5 Acres	270/270	2,193/2,193	16/4	9/2

Source: South Coast Air Quality Management District, *Localized Significance Threshold Methodology*, July 2008.

## 4.2 METHODOLOGY

This air quality impact analysis considers construction and operational impacts associated with the Project. Where criteria air pollutant quantification was required, emissions were modeled using the California Emissions Estimator Model (CalEEMod). CalEEMod is a Statewide land use emissions computer model designed to quantify potential criteria pollutant emissions associated with both construction and operations from a variety of land use projects. Air quality impacts were assessed according to methodologies recommended by CARB and the SCAQMD.

Construction equipment, trucks, worker vehicles, and ground-disturbing activities associated with Project construction would generate emissions of criteria air pollutants and precursors. Daily regional construction emissions are estimated by assuming construction occurs at the earliest feasible date (i.e., a conservative estimate of construction activities) and applying off-road, fugitive dust, and on-road emissions factors in CalEEMod. The paving and disturbed areas modeled in CalEEMod include both on-site improvements as well as minor off-site roadway improvements. The Project's offsite improvements consist of asphalt rehabilitation, parkway improvements, and utility connections along the project frontage, with the intersection corner improvements (ADA ramp/corner cutoff, traffic signal installations/modifications, minor utility relocations/adjustments) at five (5) locations in order to improve traffic circulation (an off-site area of approximately 59,800 square feet). Construction is

conservatively assumed to occur in 2020, delaying the start of construction would only likely reduce emissions as emission control technology will improve in the future.<sup>2</sup>

Project operations were conservatively modeled assuming an opening year of 2021 and would result in emissions of area sources (consumer products), energy sources (natural gas usage), and mobile sources (motor vehicles from Project generated vehicle trips). Project-generated increases in operational emissions would be predominantly associated with motor vehicle use. The increase of traffic over existing conditions as a result of the Project was obtained from the Project's Transportation Impact Study prepared by Kimley-Horn (December 2019). Emissions rates in CalEEMod have been updated with CARB SAFE Rule adjustment factors<sup>3</sup> and EMFAC2017 emission rates consistent with the methodology described in Section 5.2 (*Methodology for Converting EMFAC2014 Emission Rates into CalEEMod Vehicle Emission Factors*) of *Appendix A: Calculation Details for CalEEMod* in the *CalEEMod User Guide*. The modeled operational fleet mix was incorporated in CalEEMod consistent with the Transportation Impact Study. Project trip generation from the Transportation Impact Study is based on the Institute of Transportation Engineers (ITE) Warehouse land use (ITE code 150). The fleet mix includes 79.6 percent passenger cars, 3.5 percent light trucks, 4.6 percent medium duty trucks, and 12.3 percent heavy duty trucks.<sup>4</sup> The percentage of passenger cars was distributed proportionally to all passenger car categories. Other operational emissions from area, energy, and stationary sources were quantified in CalEEMod based on land use activity data. Because the Project is a speculative warehouse development and the final end user is not known, it was assumed that each building would operate two electric powered forklifts, six in total.

As discussed above, the SCAQMD provides significance thresholds for emissions associated with proposed Project construction and operations. The proposed Project's construction and operational emissions are compared to the daily criteria pollutant emissions significance thresholds in order to determine the significance of a Project's impact on regional air quality.

The localized effects from the Project's on-site emissions were evaluated in accordance with the SCAQMD's LST methodology, which uses on-site mass emissions rate look-up tables and Project-specific modeling. LSTs represent the maximum emissions from a project that are not expected to cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standards and are developed based on the ambient concentrations of that pollutant for each source receptor area and distance to the nearest sensitive receptor.

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<sup>2</sup> Emissions in future years (i.e., due to a later construction start date or operational opening year) would be lower due to phased-in emissions standards, inspection and maintenance requirements, and fleet turnover). Specifically, project construction was modeled to start in 2020 but would commence at a later date. As such, construction impacts would be less than those analyzed due to the use of more energy-efficient and cleaner burning construction vehicle fleet mix, pursuant to state regulations that require vehicle fleet operators to phase-in less polluting heavy-duty equipment. As a result, Project-related construction air quality impacts would be lower than the impacts disclosed herein. For emissions modeling purposes, conservatively analyzing the emissions using an earlier construction start date (i.e., 2020), provides for a worst-case analysis and full disclosure of potential air quality impacts, as required by CEQA.

<sup>3</sup> California Air Resources Board, *EMFAC Off-Model Adjustment Factors to Account for the SAFE Vehicle Rule Part One*, November 20, 2019.

<sup>4</sup> Per the Project's Transportation Impact Study, trip generation is based on Institute of Transportation Engineers (ITE) *Trip Generation Manual*, 10<sup>th</sup> Edition, and the vehicle mix is based on the City of Fontana, *Truck Trip Generation Study*, August 2003.

## 5 POTENTIAL IMPACTS AND MITIGATION

### 5.1 AIR QUALITY ANALYSIS

#### **Threshold 5.1 Would the Project conflict with or obstruct implementation of the applicable air quality plan?**

As part of its enforcement responsibilities, the EPA requires each state with nonattainment areas to prepare and submit a State Implementation Plan that demonstrates the means to attain the federal standards. The State Implementation Plan must integrate federal, state, and local plan components and regulations to identify specific measures to reduce pollution in nonattainment areas, using a combination of performance standards and market-based programs. Similarly, under State law, the CCAA requires an air quality attainment plan to be prepared for areas designated as nonattainment regarding the state and federal ambient air quality standards. Air quality attainment plans outline emissions limits and control measures to achieve and maintain these standards by the earliest practical date.

The Project is located within the SCAB, which is under the jurisdiction of the SCAQMD. The SCAQMD is required, pursuant to the FCAA, to reduce emissions of criteria pollutants for which the SCAB is in nonattainment. To reduce such emissions, the SCAQMD drafted the 2016 AQMP. The 2016 AQMP establishes a program of rules and regulations directed at reducing air pollutant emissions and achieving state (California) and national air quality standards. The 2016 AQMP is a regional and multi-agency effort including the SCAQMD, the CARB, the SCAG, and the EPA. The plan's pollutant control strategies are based on the latest scientific and technical information and planning assumptions, including SCAG's Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS), updated emission inventory methodologies for various source categories, and SCAG's latest growth forecasts. SCAG's latest growth forecasts were defined in consultation with local governments and with reference to local general plans. The Project is subject to the SCAQMD's AQMP.

Criteria for determining consistency with the AQMP are defined by the following indicators:

- **Consistency Criterion No. 1** – The Project will not result in an increase in the frequency or severity of existing air quality violations, or cause or contribute to new violations, or delay the timely attainment of air quality standards or the interim emissions reductions specified in the AQMP.
- **Consistency Criterion No. 2** – The Project will not exceed the assumptions noted in the AQMP or increments based on the years of the Project build-out phase.

According to the SCAQMD's *CEQA Air Quality Handbook*, the purpose of the consistency finding is to determine if a project is inconsistent with the assumptions and objectives of the regional air quality plans, and thus if it would interfere with the region's ability to comply with CAAQS and NAAQS.

The violations to which Consistency Criterion No. 1 refers are CAAQS and NAAQS. As shown in [Table 9](#) and [Table 10](#) below, the Project would not exceed the construction standards and net emissions would not exceed operational standards. Therefore, the Project would not contribute to an existing air quality violation. Thus, the Project would be consistent with the first criterion.

Concerning Consistency Criterion No. 2, the AQMP contains air pollutant reduction strategies based on SCAG's latest growth forecasts, and SCAG's growth forecasts were defined in consultation with local governments and with reference to local general plans. The Project includes an amendment to the General Plan and Zoning Map to modify the land use and zoning designation of approximately 7.06 acres located at the southwest corner of the site fronting Baker Avenue from Neo-Industrial to Industrial Park. This would provide a lower intensity of uses permitted within Building 3 along the western portion of the proposed Project site bordering Baker Avenue nearest to residentially zoned property. The Project is generally consistent with the development density presented in the City's General Plan and therefore would not exceed the population or job growth projections used by the SCAQMD to develop the AQMP. Thus, the Project is also consistent with the second criterion.

**Mitigation Measures:** No mitigation is required.

**Level of Significance:** Less than significant impact.

**Threshold 5.2 Would the Project result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is non-attainment under an applicable state or federal ambient air quality standard?**

### Construction Emissions

Construction associated with the Project would generate short-term emissions of criteria air pollutants. The criteria pollutants of primary concern within the Project area include O<sub>3</sub>-precursor pollutants (i.e. ROG and NO<sub>x</sub>) and PM<sub>10</sub> and PM<sub>2.5</sub>. Construction-generated emissions are short term and of temporary duration, lasting only as long as construction activities occur, but would be considered a significant air quality impact if the volume of pollutants generated exceeds the SCAQMD's thresholds of significance.

Construction results in the temporary generation of emissions resulting from site grading, road paving, motor vehicle exhaust associated with construction equipment and worker trips, and the movement of construction equipment, especially on unpaved surfaces. Emissions of airborne particulate matter are largely dependent on the amount of ground disturbance associated with site preparation activities as well as weather conditions and the appropriate application of water.

The duration of construction activities associated with the Project is estimated to last approximately 14 months. Construction-generated emissions associated the Project were calculated using the CARB-approved CalEEMod computer program, which is designed to model emissions for land use development projects, based on typical construction requirements. See [Appendix A: Air Quality Modeling Data](#) for more information regarding the construction assumptions used in this analysis. Predicted maximum daily construction-generated emissions for the Project are summarized in in [Table 9: Construction-Related Emissions \(Maximum Pounds Per Day\)](#).

Fugitive dust emissions may have a substantial, temporary impact on local air quality. In addition, fugitive dust may be a nuisance to those living and working in the Project vicinity. Uncontrolled dust from construction can become a nuisance and potential health hazard to those living and working nearby. SCAQMD Rules 402 and 403 (prohibition of nuisances, watering of inactive and perimeter areas, track out requirements, etc.), are applicable to the Project and were applied in CalEEMod to minimize fugitive dust emissions. Standard Condition (SC) AQ-1 requires the implementation of Rule 402 and 403 dust control techniques to minimize PM<sub>10</sub> and PM<sub>2.5</sub> concentrations. While impacts would be considered

less than significant, Project would be subject to SCAQMD Rules for reducing fugitive dust, described in the Regulatory Framework subsection above and identified in Standard Conditions SC AQ-1.

Construction Year	Reactive Organic Gases (ROG)	Nitrogen Oxide (NO <sub>x</sub> )	Carbon Monoxide (CO)	Sulfur Dioxide (SO <sub>2</sub> )	Coarse Particulate Matter (PM <sub>10</sub> )	Fine Particulate Matter (PM <sub>2.5</sub> )
Construction Year 1	8.18	59.60	67.40	0.23	17.87 <sup>a</sup>	6.82 <sup>a</sup>
Construction Year 2	64.71	69.37	84.98	0.27	15.31	5.39
<i>SCAQMD Threshold</i>	<i>75</i>	<i>100</i>	<i>550</i>	<i>150</i>	<i>150</i>	<i>55</i>
<b>Exceed SCAQMD Threshold?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>
Notes: a - Includes 5.1 lbs/day PM <sub>10</sub> and 0.5 lbs/day PM <sub>2.5</sub> emissions from crushing concrete and asphalt.  SCAQMD Rule 403 Fugitive Dust applied. The Rule 403 reduction/credits include the following: properly maintain mobile and other construction equipment; replace ground cover in disturbed areas quickly; water exposed surfaces three times daily; cover stock piles with tarps; water all haul roads twice daily; and limit speeds on unpaved roads to 15 miles per hour. Reductions percentages from the SCAQMD CEQA Handbook (Tables XI-A through XI-E) were applied. No mitigation was applied to construction equipment. Refer to Appendix A for Model Data Outputs.  Source: CalEEMod version 2016.3.2. Refer to Appendix A for model outputs.						

As shown in [Table 9](#), all criteria pollutant emissions would remain below their respective thresholds. While impacts would be considered less than significant, the Project would be subject to SCAQMD Rules 402, 403, and 1113, described in the Regulatory Framework subsection above and required by SC AQ-1.

### Operational Emissions

Project-generated emissions would be primarily associated with motor vehicle use and area sources, such as the use of landscape maintenance equipment and architectural coatings. Long-term operational emissions attributable to the Project are summarized in [Table 10: Long-Term Operational Emissions \(Maximum Pounds Per Day\)](#). Project operational emissions would be associated with area sources, energy sources, mobile sources (i.e., motor vehicle use), off-road equipment, and transport refrigeration units (TRU). Each of these sources are described below.

- **Area Source Emissions.** Area source emissions would be generated due to on-site equipment, architectural coating, and landscaping that were previously not present on the site.
- **Energy Source Emissions.** Energy source emissions would be generated due to electricity and natural gas usage associated with the Project. Primary uses of electricity and natural gas by the Project would be for miscellaneous warehouse equipment, space heating and cooling, water heating, ventilation, lighting, appliances, and electronics.
- **Mobile Source.** Mobile sources are emissions from motor vehicles, including tailpipe and evaporative emissions. Depending upon the pollutant being discussed, the potential air quality impact may be of either regional or local concern. For example, ROG, NO<sub>x</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub> are all pollutants of regional concern. NO<sub>x</sub> and ROG react with sunlight to form O<sub>3</sub>,

known as photochemical smog. Additionally, wind currents readily transport PM<sub>10</sub> and PM<sub>2.5</sub>. However, CO tends to be a localized pollutant, dispersing rapidly at the source.

Project-generated vehicle emissions are based on the trip generation within the Project Traffic Impact Study and incorporated into CalEEMod as recommended by the SCAQMD. Per the Project Traffic Impact Study, the Project would generate 1,805 daily trips (20.4 percent trucks).

- **Off-Road Equipment Emissions.** Because the Project is a speculative warehouse development and the final end user is not known, to be conservative it was assumed that each building would operate two electric powered forklifts, six in total.
- **TRU Emissions.** Transport refrigeration units are powered by diesel internal combustion engines and are designed to refrigerate or heat perishable goods that are transported in various containers. TRU emissions are based on the total idling time on site, which is assumed to be 15 minutes.

<b>Table 10: Long-Term Operational Emissions (Maximum Pounds Per Day)</b>						
Source	Reactive Organic Gases (ROG)	Nitrogen Oxide (NO <sub>x</sub> )	Carbon Monoxide (CO)	Sulfur Dioxide (SO <sub>2</sub> )	Coarse Particulate Matter (PM <sub>10</sub> )	Fine Particulate Matter (PM <sub>2.5</sub> )
<b>Existing Project Site<sup>1</sup></b>						
Area Source Emissions	2.84	<0.001	0.03	0.0	<0.001	<0.001
Energy Emissions	0.04	0.39	0.33	<0.001	0.03	0.03
Mobile Emissions	1.40	9.93	14.66	0.06	4.70	1.37
<b>Total Emissions</b>	<b>4.28</b>	<b>10.32</b>	<b>15.02</b>	<b>0.07</b>	<b>4.73</b>	<b>1.40</b>
<b>Proposed Project</b>						
<b>Unmitigated Operational Emissions</b>						
Area Source Emissions	23.57	<0.001	0.11	<0.001	<0.001	<0.001
Energy Emissions	0.59	5.36	4.50	0.03	0.41	0.41
Mobile Emissions	6.53	41.93	67.57	0.26	18.53	5.39
Off-Road Emissions	0.78	7.07	7.01	<0.001	0.50	0.46
TRUs	0.40	3.82	4.05	<0.001	0.12	0.11
<b>Total Emissions</b>	<b>31.87</b>	<b>58.18</b>	<b>83.24</b>	<b>0.29</b>	<b>19.56</b>	<b>6.37</b>
<b>Net Emissions</b>						
Existing Project Site	4.28	10.32	15.02	0.07	4.73	1.40
Proposed Project	31.87	58.18	83.21	0.29	19.56	6.37
<b>Net Change</b>	<b>27.59</b>	<b>47.86</b>	<b>68.22</b>	<b>0.22</b>	<b>14.83</b>	<b>4.97</b>
<i>SCAQMD Threshold</i>	55	55	550	150	55	150
<b>Exceeds Threshold?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>
Source: CalEEMod version 2016.3.2. Refer to Appendix A for model outputs.						
Note: Total values are from CalEEMod and may not add up 100% due to rounding.						
1. The existing land use includes manufacturing, warehouse, and general office building, to be conservative the lowest emission values are shown.						
2. As a worst-case scenario, the highest emission values are shown.						



As shown in [Table 10](#), after taking into account the operational emissions from existing conditions (current baseline conditions), the net Project emissions would not exceed SCAQMD thresholds for any criteria air pollutants. Therefore, long-term operations emissions would result in a less than significant impact.

In addition, Rule 2305 requires the Project operator to directly reduce NO<sub>x</sub> and particulate matter emissions or to otherwise facilitate emission and exposure reductions of these pollutants in nearby communities. Alternatively, warehouse operators can choose to pay a mitigation fee. Funds from the mitigation fee will be used to incentivize the purchase of cleaner trucks and charging/fueling infrastructure in communities nearby.

Warehouse owners and operators are required to earn Warehouse Actions and Investments to Reduce Emissions (WAIRE) Points each year. WAIRE points are a menu-based system earned by emission reduction measures. Warehouse operators are required to submit an annual WAIRE Report which includes truck trip data and emission reduction measures. WAIRE points can be earned by completing actions from a menu that can include acquiring and using natural gas, Near-Zero Emissions and/or Zero-Emissions on-road trucks, zero-emission cargo handling equipment, solar panels or zero-emission charging and fueling infrastructure, or other options. Therefore, the Project operator would be required to implement additional emission reduction strategies. Conservatively, this analysis does not take credit for these potential reductions. Compliance with Rule 2305 would reduce emissions below what is currently analyzed.

### Cumulative Short-Term Emissions

The SCAB is designated nonattainment for O<sub>3</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub> for State standards and nonattainment for O<sub>3</sub> and PM<sub>2.5</sub> for Federal standards. Appendix D of the SCAQMD White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution (2003) notes that projects that result in emissions that do not exceed the project-specific SCAQMD regional thresholds of significance should result in a less than significant impact on a cumulative basis unless there is other pertinent information to the contrary. The mass-based regional significance thresholds published by the SCAQMD are designed to ensure compliance with both NAAQS and CAAQS and are based on an inventory of projected emissions in the SCAB. Therefore, if a project is estimated to result in emissions that do not exceed the thresholds, the project's contribution to the cumulative impact on air quality in the SCAB would not be cumulatively considerable. As shown in [Table 9](#) above, Project construction-related emissions by themselves would not exceed the SCAQMD significance thresholds for criteria pollutants. Therefore, the proposed Project would not generate a cumulatively considerable contribution to air pollutant emissions during construction.

The SCAQMD has developed strategies to reduce criteria pollutant emissions outlined in the AQMP pursuant to the FCAA mandates. The analysis assumed fugitive dust controls would be utilized during construction, including frequent water applications. SCAQMD rules, mandates, and compliance with adopted AQMP emissions control measures would also be imposed on construction projects throughout the SCAB, which would include related projects. Therefore, Project-related construction emissions, combined with those from other projects in the area, would not substantially deteriorate local air quality. Construction emissions associated with the Project would not result in a cumulatively considerable contribution to significant cumulative air quality impacts.

## Cumulative Long-Term Impacts

The SCAQMD has not established separate significance thresholds for cumulative operational emissions. The nature of air emissions is largely a cumulative impact. As a result, no single project is sufficient in size to, by itself, result in nonattainment of ambient air quality standards. Instead, individual project emissions contribute to existing cumulatively significant adverse air quality impacts. The SCAQMD developed the operational thresholds of significance based on the level above which individual project emissions would result in a cumulatively considerable contribution to the SCAB's existing air quality conditions. Therefore, a project that exceeds the SCAQMD operational thresholds would also be a cumulatively considerable contribution to a significant cumulative impact.

As shown in [Table 10](#), the Project operational emissions would not exceed SCAQMD thresholds. As a result, operational emissions associated with the Project would not result in a cumulatively considerable contribution to significant cumulative air quality impacts. Additionally, adherence to SCAQMD rules and regulations would alleviate potential impacts related to cumulative conditions on a project-by-project basis. Project operations would not contribute a cumulatively considerable net increase of any nonattainment criteria pollutant.

Furthermore, compliance with SCAQMD Rule 2305 (Warehouse Indirect Source Rule) is required for all existing and proposed warehouses greater than 100,000 square feet. Warehouse operators are required to implement additional emission reduction strategies or pay mitigation fee to reduce emissions. Compliance with Rule 2305 would reduce project emissions below what is currently analyzed and also reduce cumulative emissions.

### Standard Conditions and Requirements:

**SCAQ-1** Prior to the issuance of grading permits, the City Engineer shall confirm that the Grading Plan, Building Plans and Specifications require all construction contractors to comply with South Coast Air Quality Management District's (SCAQMD's) Rules 402 and 403 to minimize construction emissions of dust and particulates. The measures include, but are not limited to, the following:

- Portions of a construction site to remain inactive longer than a period of three months will be seeded and watered until grass cover is grown or otherwise stabilized.
- All on-site roads will be paved as soon as feasible or watered periodically or chemically stabilized.
- All material transported off site will be either sufficiently watered or securely covered to prevent excessive amounts of dust.
- The area disturbed by clearing, grading, earthmoving, or excavation operations will be minimized at all times.
- Where vehicles leave a construction site and enter adjacent public streets, the streets will be swept daily or washed down at the end of the work day to remove soil tracked onto the paved surface.

**Mitigation Measures:** No mitigation is required.



**Level of Significance:** Less than significant impact.

### Threshold 5.3 Would the Project expose sensitive receptors to substantial pollutant concentrations?

#### Localized Construction Significance Analysis

The nearest sensitive receptors are the single-family residences located 50 feet (15 meters) to the north of the Project. To identify impacts to sensitive receptors, the SCAQMD recommends addressing LSTs for construction. LSTs were developed in response to SCAQMD Governing Boards' Environmental Justice Enhancement Initiative (I-4). The SCAQMD provided the *Final Localized Significance Threshold Methodology* (dated June 2003 [revised 2008]) for guidance. The LST methodology assists lead agencies in analyzing localized impacts associated with Project-specific emissions.

Since CalEEMod calculates construction emissions based on the number of equipment hours and the maximum daily soil disturbance activity possible for each piece of equipment, Table 11: Equipment-Specific Grading Rates, is used to determine the maximum daily disturbed acreage for comparison to LSTs. The appropriate SRA for the localized significance thresholds is the Southwest San Bernardino Valley (SRA 32) since this area includes the Project. LSTs apply to CO, NO<sub>2</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub>. The SCAQMD produced look-up tables for projects that disturb areas less than or equal to 5 acres in size. Project construction is anticipated to disturb a maximum of 4.0 acres in a single day. As the LST guidance provides thresholds for projects disturbing 1-, 2-, and 5-acres in size and the thresholds increase with size of the site, the LSTs for a 4.0-acre threshold were interpolated and utilized for this analysis.

Construction Phase	Equipment Type	Equipment Quantity	Acres Graded per 8-Hour Day	Operating Hours per Day	Acres Graded per Day
Grading	Tractors	2	0.5	8	1.0
	Graders	1	0.5	8	0.5
	Dozers	1	0.5	8	0.5
	Scrapers	2	1	8	2.0
<b>Total Acres Graded per Day</b>					<b>4.0</b>

Source: CalEEMod version 2016.3.2. Refer to Appendix A for model outputs.

The SCAQMD's methodology states that "off-site mobile emissions from the Project should not be included in the emissions compared to LSTs." Therefore, only emissions included in the CalEEMod "on-site" emissions outputs were considered. The nearest sensitive receptors are the single-family residences located 50 feet (15 meters) north of the Project. LST thresholds are provided for distances to sensitive receptors of 25, 50, 100, 200, and 500 meters. Therefore, LSTs for receptors located at 25 meters were utilized in this analysis. Table 12: Localized Significance of Construction Emissions (Maximum Pounds Per Day), presents the results of localized emissions during construction. Table 12 shows that emissions of these pollutants on the peak day of construction would not result in significant concentrations of pollutants at nearby sensitive receptors. Significant impacts would not occur concerning LSTs during construction.

**Table 12: Localized Significance of Construction Emissions (Maximum Pounds Per Day)**

Construction Activity	Nitrogen Oxide (NO <sub>x</sub> )	Carbon Monoxide (CO)	Coarse Particulate Matter (PM <sub>10</sub> )	Fine Particulate Matter (PM <sub>2.5</sub> )
Demolition	47.76	37.87	8.79 <sup>a</sup>	2.64 <sup>a</sup>
Site Preparation	42.42	21.51	9.92	6.26
Grading	50.20	31.96	7.11	3.67
Construction	19.19	16.85	1.12	1.05
Paving	12.92	14.65	0.68	0.62
Architectural Coating	1.53	1.82	0.09	0.09
<i>SCAQMD Localized Screening Threshold (adjusted for 4.0 acres at 25 meters)</i>	237	1,873	13	8
<b>Exceed SCAQMD Threshold?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

<sup>a</sup> Includes 5.1 lbs/day PM<sub>10</sub> and 0.5 lbs/day PM<sub>2.5</sub> emissions from crushing concrete and asphalt.  
Source: CalEEMod version 2016.3.2. Refer to Appendix A for model outputs.

### Localized Operational Significance Analysis

According to the SCAQMD LST methodology, LSTs would apply to the operational phase of a project only if it includes stationary sources or attracts mobile sources that may spend long periods queuing and idling at the site (e.g. warehouse or transfer facilities). Since the Project is a warehouse, the operational phase LST protocol is conservatively applied to both the area source and all the mobile source emissions. LSTs for receptors located at 25 meters for SRA 32 were utilized in this analysis. Although the Project is 47 acres, the 5-acre LST threshold was because the thresholds increase with the size of the site. Therefore, the 5-acre LSTs are conservative for evaluation of a 47-acre site.

The LST analysis only includes on-site sources. However, the CalEEMod model outputs do not separate on- and off-site emissions for mobile sources. For a worst-case scenario assessment, the emissions shown in Table 13: Localized Significance of Operational Emissions (Maximum Pounds Per Day), conservatively include all on-site Project-related stationary sources and 10 percent of the Project-related new mobile sources and TRU emissions onsite. Table 13 shows that the maximum daily emissions of these pollutants during operations would not result in significant concentrations of pollutants at nearby sensitive receptors. Therefore, significant impacts would not occur concerning LSTs during operational activities.

**Table 13: Localized Significance of Operational Emissions (Maximum Pounds Per Day)**

Activity	Nitrogen Oxide (NO <sub>x</sub> )	Carbon Monoxide (CO)	Coarse Particulate Matter (PM <sub>10</sub> )	Fine Particulate Matter (PM <sub>2.5</sub> )
On-Site and Mobile Source Emissions	20.44	22.43	2.88	1.52
<i>SCAQMD Localized Screening Threshold (adjusted for 5 acres at 25 meters)</i>	270	2,193	4	2
<b>Exceed SCAQMD Threshold?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

Source: CalEEMod version 2016.3.2. Refer to Appendix A for model outputs.

In addition, SCAQMD's Rule 2305 will require the Project to directly reduce NO<sub>x</sub> and particulate matter emissions, or to otherwise facilitate emissions and exposure reductions of these pollutants in nearby communities. The Project operator may be required to implement additional emission reduction

strategies. Conservatively, this analysis is not taking credit for these potential reductions. Compliance with Rule 2305 would reduce emissions below what is currently analyzed.

### Criteria Pollutant Health Impacts

On December 24, 2018, the California Supreme Court issued an opinion identifying the need to provide sufficient information connecting a project's air emissions to health impacts or explain why such information could not be ascertained (*Sierra Club v. County of Fresno* [Friant Ranch, L.P.] [2018] Cal.5<sup>th</sup>, Case No. S219783). The SCAQMD has set its CEQA significance thresholds based on the FCAA, which defines a major stationary source (in extreme O<sub>3</sub> nonattainment areas such as the SCAB) as emitting 10 tons per year. The thresholds correlate with the trigger levels for the federal New Source Review (NSR) Program and SCAQMD Rule 1303 for new or modified sources. The NSR Program<sup>5</sup> was created by the FCAA to ensure that stationary sources of air pollution are constructed or modified in a manner that is consistent with attainment of health-based federal ambient air quality standards. The federal ambient air quality standards establish the levels of air quality necessary, with an adequate margin of safety, to protect the public health. Therefore, projects that do not exceed the SCAQMD's LSTs and mass emissions thresholds would not violate any air quality standards or contribute substantially to an existing or projected air quality violation and no criteria pollutant health impacts.

NO<sub>x</sub> and ROG are precursor emissions that form O<sub>3</sub> in the atmosphere in the presence of sunlight where the pollutants undergo complex chemical reactions. It takes time and the influence of meteorological conditions for these reactions to occur, so O<sub>3</sub> may be formed at a distance downwind from the sources. Breathing ground-level O<sub>3</sub> can result health effects that include: reduced lung function, inflammation of airways, throat irritation, pain, burning, or discomfort in the chest when taking a deep breath, chest tightness, wheezing, or shortness of breath. In addition to these effects, evidence from observational studies strongly indicates that higher daily O<sub>3</sub> concentrations are associated with increased asthma attacks, increased hospital admissions, increased daily mortality, and other markers of morbidity. The consistency and coherence of the evidence for effects upon asthmatics suggests that O<sub>3</sub> can make asthma symptoms worse and can increase sensitivity to asthma triggers.

According to the SCAQMD's 2016 AQMP, O<sub>3</sub>, NO<sub>x</sub>, and ROG have been decreasing in the SCAB since 1975 and are projected to continue to decrease in the future. Although vehicle miles traveled in the SCAB continue to increase, NO<sub>x</sub> and ROG levels are decreasing because of the mandated controls on motor vehicles and the replacement of older polluting vehicles with lower-emitting vehicles. NO<sub>x</sub> emissions from electric utilities have also decreased due to the use of cleaner fuels and renewable energy. The 2016 AQMP demonstrates how the SCAQMD's control strategy to meet the 8-hour O<sub>3</sub> standard in 2023 would lead to sufficient NO<sub>x</sub> emission reductions to attain the 1-hour O<sub>3</sub> standard by 2022. In addition, since NO<sub>x</sub> emissions also lead to the formation of PM<sub>2.5</sub>, the NO<sub>x</sub> reductions needed to meet the O<sub>3</sub> standards will likewise lead to improvement of PM<sub>2.5</sub> levels and attainment of PM<sub>2.5</sub> standards.

The SCAQMD's air quality modeling demonstrates that NO<sub>x</sub> reductions prove to be much more effective in reducing O<sub>3</sub> levels and will also lead to significant improvement in PM<sub>2.5</sub> concentrations. NO<sub>x</sub>-emitting stationary sources regulated by the SCAQMD include Regional Clean Air Incentives Market (RECLAIM) facilities (e.g. refineries, power plants, etc.), natural gas combustion equipment (e.g. boilers, heaters, engines, burners, flares) and other combustion sources that burn wood or propane. The 2016 AQMP

<sup>5</sup> Code of Federal Regulation (CFR) [i.e. PSD (40 CFR 52.21, 40 CFR 51.166, 40 CFR 51.165 (b)), Non-attainment NSR (40 CFR 52.24, 40 CFR 51.165, 40 CFR part 51, Appendix S)]

identifies robust NO<sub>x</sub> reductions from new regulations on RECLAIM facilities, non-refinery flares, commercial cooking, and residential and commercial appliances. Such combustion sources are already heavily regulated with the lowest NO<sub>x</sub> emissions levels achievable but there are opportunities to require and accelerate replacement with cleaner zero-emission alternatives, such as residential and commercial furnaces, pool heaters, and backup power equipment. The AQMD plans to achieve such replacements through a combination of regulations and incentives. Technology-forcing regulations can drive development and commercialization of clean technologies, with future year requirements for new or existing equipment. Incentives can then accelerate deployment and enhance public acceptability of new technologies.

The 2016 AQMD also emphasizes that beginning in 2012, continued implementation of previously adopted regulations will lead to NO<sub>x</sub> emission reductions of 68 percent by 2023 and 80 percent by 2031. With the addition of 2016 AQMP proposed regulatory measures, a 30 percent reduction of NO<sub>x</sub> from stationary sources is expected in the 15-year period between 2008 and 2023. This is in addition to significant NO<sub>x</sub> reductions from stationary sources achieved in the decades prior to 2008.

As previously discussed, Project emissions would be less than significant and would not exceed SCAQMD threshold for NO<sub>x</sub> (refer to [Table 9](#) and [Table 10](#)). Localized effects of on-site Project emissions on nearby receptors were also found to be less than significant (refer to [Table 12](#) and [Table 13](#)). The LSTs represent the maximum emissions from a project that are not expected to cause or contribute to an exceedance of the most stringent applicable state or federal ambient air quality standard. The LSTs were developed by the SCAQMD based on the ambient concentrations of that pollutant for each SRA and distance to the nearest sensitive receptor. The ambient air quality standards establish the levels of air quality necessary, with an adequate margin of safety, to protect public health, including protecting the health of sensitive populations.

### **Carbon Monoxide Hotspots**

An analysis of CO “hot spots” is needed to determine whether the change in the level of service of an intersection resulting from the Project would have the potential to result in exceedances of the CAAQS or NAAQS. It has long been recognized that CO exceedances are caused by vehicular emissions, primarily when vehicles are idling at intersections. Vehicle emissions standards have become increasingly stringent in the last 20 years. Currently, the CO standard in California is a maximum of 3.4 grams per mile for passenger cars (requirements for certain vehicles are more stringent). With the turnover of older vehicles, introduction of cleaner fuels, and implementation of control technology on industrial facilities, CO concentrations have steadily declined. Accordingly, with the steadily decreasing CO emissions from vehicles, even very busy intersections do not result in exceedances of the CO standard.

The SCAB was re-designated as attainment in 2007 and is no longer addressed in the SCAQMD’s AQMP. The 2003 AQMP is the most recent version that addresses CO concentrations. As part of the SCAQMD *CO Hotspot Analysis*, the Wilshire Boulevard and Veteran Avenue intersection, one of the most congested intersections in Southern California with an average daily traffic (ADT) volume of approximately 100,000 vehicles per day, was modeled for CO concentrations. This modeling effort identified a CO concentration high of 4.6 ppm, which is well below the 35-ppm Federal standard. The Project considered herein would not produce the volume of traffic required to generate a CO hot spot in the context of SCAQMD’s *CO Hotspot Analysis*. As the CO hotspots were not experienced at the Wilshire Boulevard and Veteran Avenue intersection even as it accommodates 100,000 vehicles daily, it can be reasonably inferred that CO

hotspots would not be experienced at any vicinity intersections resulting from 1,808 additional vehicle trips (20.4 percent trucks) attributable to the Project. Therefore, impacts would be less than significant.

### **Construction-Related Diesel Particulate Matter**

Construction would result in the generation of DPM emissions from the use of off-road diesel equipment required. The amount to which the receptors are exposed (a function of concentration and duration of exposure) is the primary factor used to determine health risk (i.e. potential exposure to TAC emission levels that exceed applicable standards). Health-related risks associated with diesel-exhaust emissions are primarily linked to long-term exposure and the associated risk of contracting cancer.

The use of diesel-powered construction equipment would be temporary and episodic. The duration of exposure would be short and exhaust from construction equipment dissipates rapidly. Current models and methodologies for conducting health risk assessments are associated with longer-term exposure periods of 9, 30, and 70 years, which do not correlate well with the temporary and highly variable nature of construction activities. The closest sensitive receptors are located approximately 50 feet from major Project construction areas.

California Office of Environmental Health Hazard Assessment has not identified short-term health effects from DPM. Construction is temporary and would be transient throughout the site (i.e. move from location to location) and would not generate emissions in a fixed location for extended periods of time. Construction would be subject to and would comply with California regulations limiting the idling of heavy-duty construction equipment to no more than 5 minutes to further reduce nearby sensitive receptors' exposure to temporary and variable DPM emissions. For these reasons, DPM generated by construction activities, in and of itself, would not be expected to expose sensitive receptors to substantial amounts of air toxics and the Project would have a less than significant impact.

**Mitigation Measures:** No mitigation is required.

**Level of Significance:** Less than significant impact.

### **Threshold 5.4 Would the Project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?**

The SCAQMD *CEQA Air Quality Handbook* identifies certain land uses as sources of odors. These land uses include agriculture (farming and livestock), wastewater treatment plants, food processing plants, chemical plants, composting facilities, refineries, landfills, dairies, and fiberglass molding. The Project would not include any of the land uses that have been identified by the SCAQMD as odor sources.

During construction-related activities, some odors (not substantial pollutant concentrations) that may be detected are those typical of construction vehicles (e.g. diesel exhaust from grading and construction equipment). These odors are a temporary short-term impact that is typical of construction projects and would disperse rapidly. The Project would not include any of the land uses that have been identified by the SCAQMD as odor sources. Therefore, the Project would not create objectionable odors.

**Mitigation Measures:** No mitigation is required.

**Level of Significance:** Less than significant impact.

## 6 REFERENCES

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15. United States Environmental Protection Agency, *National Ambient Air Quality Standards Table*, 2016.
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# Appendix A

## Air Quality Modeling Data

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9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

**9th and Vineyard - 35% Refrigerated**  
**San Bernardino-South Coast County, Summer**

## 1.0 Project Characteristics

### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	8.50	1000sqft	0.20	13,000.00	0
Refrigerated Warehouse-No Rail	358.56	1000sqft	8.23	358,563.00	0
Unrefrigerated Warehouse-No Rail	665.90	1000sqft	15.29	665,904.00	0
Parking Lot	20.00	Acre	20.00	871,200.00	0
City Park	5.59	Acre	5.59	243,585.00	0

### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	32
<b>Climate Zone</b>	10			<b>Operational Year</b>	2021
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	546.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted per the SCE 2018 Corporate Responsibility and Sustainability Report. The report provides intensity factor of CO2e, the CO2 intensity factor is calculated as  $513-25 \times 0.029 - 298 \times 0.00617 = 546.4363$  to avoid double counting.

Land Use - Office Space includes 4,500 sf on 2nd floor, warehouse = 1,024,467 sf, 35% unrefrig = 358,563 sf, unrefrig= 665,904 sf, landscape shown as CityPark, parking lot includes parkings spaces,docks,drive aisles, and other improvements

Construction Phase - schedule based on AQ Questionnaire 9/9/19, painting to begin during final 3 months of construction

Off-road Equipment -



9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

Off-road Equipment -

Off-road Equipment - added 2 crushing/proc equipment and 2 generators based on concrete and asphalt crushing discussed in construction questionnaire 9/9/19

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT - El Sobrante Landfill is 27.9 miles from the project

Demolition - 4 buildings to be demolished based on Construction Questionnaire 9/9/19

Grading - site is anticipated to be balanced based on Air Quality Questionnaire 9/9/19

Architectural Coating - Rule 1113

Vehicle Trips - 1805 daily trips =  $1805/665.904 = 2.710600927461015401619452653836$ , worker trip modified based on TIA, delivery trips based on Forecasting Metropolitan Commercial and Freight Travel, ave truck trip length rounded up to 25 miles to be conservative

Vehicle Emission Factors - EMFAC2017 San Bernardino County (SC) 2021 with Safe Rule

Vehicle Emission Factors - EMFAC2017 San Bernardino County (SC) 2021 with Safe Rule

Vehicle Emission Factors - EMFAC2017 San Bernardino County (SC) 2021 with Safe Rule

Energy Use -

Construction Off-road Equipment Mitigation - Rule 403

Mobile Commute Mitigation -

Area Mitigation - Rule 1113

Energy Mitigation - CEC - 2019 standards will reduce nonresidential energy use by 30% over 2016 standard, due mainly to lighting upgrades

Water Mitigation - Consistent with current building code, use low flow fixtures and water-efficient mitigation

Waste Mitigation - AB 939 - divert at least 50% of solid waste from landfills

Operational Off-Road Equipment - assume 2 forklifts per building

Fleet Mix - updated based on TIA trip gen table

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	50.00	44.00
tblConstructionPhase	NumDays	30.00	7.00
tblConstructionPhase	NumDays	75.00	36.00
tblConstructionPhase	NumDays	740.00	172.00
tblConstructionPhase	NumDays	55.00	91.00
tblConstructionPhase	NumDays	55.00	88.00
tblFleetMix	HHD	0.06	0.12
tblFleetMix	LDA	0.55	0.44
tblFleetMix	LHD2	5.2670e-003	0.04
tblFleetMix	MH	1.0100e-003	0.00
tblFleetMix	MHD	0.02	0.05
tblFleetMix	OBUS	1.3480e-003	0.00
tblFleetMix	SBUS	8.1200e-004	0.00
tblFleetMix	UBUS	1.6070e-003	0.00
tblGrading	AcresOfGrading	90.00	187.50
tblLandUse	LandUseSquareFeet	8,500.00	13,000.00
tblLandUse	LandUseSquareFeet	358,560.00	358,563.00
tblLandUse	LandUseSquareFeet	665,900.00	665,904.00
tblLandUse	LandUseSquareFeet	243,500.40	243,585.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	Electrical
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	6.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	546.44

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblTripsAndVMT	HaulingTripLength	20.00	27.90
tblVehicleEF	HHD	1.24	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	3.46	5.64
tblVehicleEF	HHD	0.58	0.81
tblVehicleEF	HHD	1.92	4.3810e-003
tblVehicleEF	HHD	6,983.95	1,107.90
tblVehicleEF	HHD	1,493.95	1,530.36
tblVehicleEF	HHD	5.71	0.04
tblVehicleEF	HHD	28.07	6.15
tblVehicleEF	HHD	2.87	4.04
tblVehicleEF	HHD	20.20	1.89
tblVehicleEF	HHD	0.01	8.6990e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	8.3230e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8320e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	1.0000e-006
tblVehicleEF	HHD	9.3000e-005	6.0000e-006
tblVehicleEF	HHD	3.4490e-003	1.9400e-004
tblVehicleEF	HHD	0.89	0.43
tblVehicleEF	HHD	5.7000e-005	4.0000e-006

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	HHD	0.09	0.13
tblVehicleEF	HHD	2.4200e-004	9.6100e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	9.3000e-005	6.0000e-006
tblVehicleEF	HHD	3.4490e-003	1.9400e-004
tblVehicleEF	HHD	1.02	0.50
tblVehicleEF	HHD	5.7000e-005	4.0000e-006
tblVehicleEF	HHD	0.13	0.28
tblVehicleEF	HHD	2.4200e-004	9.6100e-004
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	1.17	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	2.52	5.49
tblVehicleEF	HHD	0.58	0.82
tblVehicleEF	HHD	1.80	4.1360e-003
tblVehicleEF	HHD	7,395.94	1,107.11
tblVehicleEF	HHD	1,493.95	1,530.36
tblVehicleEF	HHD	5.71	0.04
tblVehicleEF	HHD	28.97	6.00
tblVehicleEF	HHD	2.70	3.82
tblVehicleEF	HHD	20.19	1.89
tblVehicleEF	HHD	0.01	8.0470e-003
tblVehicleEF	HHD	0.06	0.06

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	7.6990e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8320e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.8400e-004	1.2000e-005
tblVehicleEF	HHD	3.9090e-003	2.2100e-004
tblVehicleEF	HHD	0.84	0.45
tblVehicleEF	HHD	1.2900e-004	8.0000e-006
tblVehicleEF	HHD	0.09	0.13
tblVehicleEF	HHD	2.4800e-004	9.8700e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.7000e-005	0.00
tblVehicleEF	HHD	1.8400e-004	1.2000e-005
tblVehicleEF	HHD	3.9090e-003	2.2100e-004
tblVehicleEF	HHD	0.97	0.52
tblVehicleEF	HHD	1.2900e-004	8.0000e-006
tblVehicleEF	HHD	0.13	0.28
tblVehicleEF	HHD	2.4800e-004	9.8700e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	1.34	0.03
tblVehicleEF	HHD	0.04	0.14

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	4.76	5.84
tblVehicleEF	HHD	0.58	0.81
tblVehicleEF	HHD	1.89	4.3470e-003
tblVehicleEF	HHD	6,415.00	1,109.00
tblVehicleEF	HHD	1,493.95	1,530.36
tblVehicleEF	HHD	5.71	0.04
tblVehicleEF	HHD	26.84	6.35
tblVehicleEF	HHD	2.83	3.98
tblVehicleEF	HHD	20.20	1.89
tblVehicleEF	HHD	0.02	9.6000e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	1.0000e-006
tblVehicleEF	HHD	0.02	9.1850e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8320e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	1.0000e-006
tblVehicleEF	HHD	9.4000e-005	7.0000e-006
tblVehicleEF	HHD	3.7830e-003	2.2700e-004
tblVehicleEF	HHD	0.96	0.41
tblVehicleEF	HHD	5.6000e-005	4.0000e-006
tblVehicleEF	HHD	0.09	0.13
tblVehicleEF	HHD	2.5900e-004	1.0070e-003
tblVehicleEF	HHD	0.06	1.0000e-006



## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	9.4000e-005	7.0000e-006
tblVehicleEF	HHD	3.7830e-003	2.2700e-004
tblVehicleEF	HHD	1.10	0.48
tblVehicleEF	HHD	5.6000e-005	4.0000e-006
tblVehicleEF	HHD	0.13	0.28
tblVehicleEF	HHD	2.5900e-004	1.0070e-003
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	LDA	4.6640e-003	2.8720e-003
tblVehicleEF	LDA	6.4640e-003	0.05
tblVehicleEF	LDA	0.62	0.73
tblVehicleEF	LDA	1.32	2.18
tblVehicleEF	LDA	261.85	271.31
tblVehicleEF	LDA	59.28	55.38
tblVehicleEF	LDA	0.06	0.04
tblVehicleEF	LDA	0.09	0.19
tblVehicleEF	LDA	1.7130e-003	1.5970e-003
tblVehicleEF	LDA	2.3020e-003	1.9420e-003
tblVehicleEF	LDA	1.5790e-003	1.4700e-003
tblVehicleEF	LDA	2.1170e-003	1.7850e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	LDA	0.09	0.24
tblVehicleEF	LDA	2.6230e-003	2.6840e-003
tblVehicleEF	LDA	6.1500e-004	5.4800e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.10	0.26
tblVehicleEF	LDA	5.3170e-003	3.2410e-003
tblVehicleEF	LDA	5.3900e-003	0.05
tblVehicleEF	LDA	0.76	0.88
tblVehicleEF	LDA	1.10	1.83
tblVehicleEF	LDA	286.52	293.82
tblVehicleEF	LDA	59.28	54.72
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.7130e-003	1.5970e-003
tblVehicleEF	LDA	2.3020e-003	1.9420e-003
tblVehicleEF	LDA	1.5790e-003	1.4700e-003
tblVehicleEF	LDA	2.1170e-003	1.7850e-003
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDA	0.13	0.12
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.07	0.21

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	LDA	2.8710e-003	2.9070e-003
tblVehicleEF	LDA	6.1100e-004	5.4100e-004
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDA	0.13	0.12
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.08	0.23
tblVehicleEF	LDA	4.5320e-003	2.8130e-003
tblVehicleEF	LDA	6.4200e-003	0.05
tblVehicleEF	LDA	0.58	0.70
tblVehicleEF	LDA	1.30	2.18
tblVehicleEF	LDA	256.02	267.12
tblVehicleEF	LDA	59.28	55.39
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.09	0.19
tblVehicleEF	LDA	1.7130e-003	1.5970e-003
tblVehicleEF	LDA	2.3020e-003	1.9420e-003
tblVehicleEF	LDA	1.5790e-003	1.4700e-003
tblVehicleEF	LDA	2.1170e-003	1.7850e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.09	0.24
tblVehicleEF	LDA	2.5640e-003	2.6430e-003

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	LDA	6.1500e-004	5.4800e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.09	0.27
tblVehicleEF	LDT1	0.02	8.7920e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.71	1.72
tblVehicleEF	LDT1	4.02	2.48
tblVehicleEF	LDT1	323.73	321.83
tblVehicleEF	LDT1	72.77	67.22
tblVehicleEF	LDT1	0.18	0.15
tblVehicleEF	LDT1	0.24	0.32
tblVehicleEF	LDT1	2.8630e-003	2.5670e-003
tblVehicleEF	LDT1	3.8930e-003	3.0690e-003
tblVehicleEF	LDT1	2.6370e-003	2.3630e-003
tblVehicleEF	LDT1	3.5800e-003	2.8220e-003
tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.93
tblVehicleEF	LDT1	0.29	0.47
tblVehicleEF	LDT1	3.2600e-003	3.1850e-003
tblVehicleEF	LDT1	7.9900e-004	6.6500e-004

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.15
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.21	0.93
tblVehicleEF	LDT1	0.31	0.52
tblVehicleEF	LDT1	0.02	9.8170e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	2.05	2.04
tblVehicleEF	LDT1	3.30	2.07
tblVehicleEF	LDT1	352.65	345.31
tblVehicleEF	LDT1	72.77	66.35
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.22	0.30
tblVehicleEF	LDT1	2.8630e-003	2.5670e-003
tblVehicleEF	LDT1	3.8930e-003	3.0690e-003
tblVehicleEF	LDT1	2.6370e-003	2.3630e-003
tblVehicleEF	LDT1	3.5800e-003	2.8220e-003
tblVehicleEF	LDT1	0.40	0.39
tblVehicleEF	LDT1	0.44	0.34
tblVehicleEF	LDT1	0.29	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.92
tblVehicleEF	LDT1	0.24	0.41
tblVehicleEF	LDT1	3.5540e-003	3.4170e-003
tblVehicleEF	LDT1	7.8600e-004	6.5700e-004
tblVehicleEF	LDT1	0.40	0.39

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	LDT1	0.44	0.34
tblVehicleEF	LDT1	0.29	0.28
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.21	0.92
tblVehicleEF	LDT1	0.26	0.44
tblVehicleEF	LDT1	0.01	8.6230e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.62	1.66
tblVehicleEF	LDT1	3.95	2.48
tblVehicleEF	LDT1	316.91	317.45
tblVehicleEF	LDT1	72.77	67.23
tblVehicleEF	LDT1	0.17	0.14
tblVehicleEF	LDT1	0.24	0.32
tblVehicleEF	LDT1	2.8630e-003	2.5670e-003
tblVehicleEF	LDT1	3.8930e-003	3.0690e-003
tblVehicleEF	LDT1	2.6370e-003	2.3630e-003
tblVehicleEF	LDT1	3.5800e-003	2.8220e-003
tblVehicleEF	LDT1	0.20	0.21
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.25	1.09
tblVehicleEF	LDT1	0.28	0.48
tblVehicleEF	LDT1	3.1900e-003	3.1410e-003
tblVehicleEF	LDT1	7.9800e-004	6.6500e-004
tblVehicleEF	LDT1	0.20	0.21
tblVehicleEF	LDT1	0.41	0.33



## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	LDT1	0.12	0.14
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.25	1.09
tblVehicleEF	LDT1	0.31	0.52
tblVehicleEF	LDT2	6.9330e-003	4.9710e-003
tblVehicleEF	LDT2	9.2890e-003	0.08
tblVehicleEF	LDT2	0.85	1.09
tblVehicleEF	LDT2	1.85	2.81
tblVehicleEF	LDT2	363.70	346.08
tblVehicleEF	LDT2	81.97	72.43
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.16	0.33
tblVehicleEF	LDT2	1.7370e-003	1.6820e-003
tblVehicleEF	LDT2	2.4180e-003	2.0130e-003
tblVehicleEF	LDT2	1.5980e-003	1.5480e-003
tblVehicleEF	LDT2	2.2230e-003	1.8510e-003
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.13	0.36
tblVehicleEF	LDT2	3.6440e-003	3.4240e-003
tblVehicleEF	LDT2	8.5100e-004	7.1700e-004
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.06	0.09

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.14	0.40
tblVehicleEF	LDT2	7.8730e-003	5.5830e-003
tblVehicleEF	LDT2	7.7350e-003	0.07
tblVehicleEF	LDT2	1.04	1.31
tblVehicleEF	LDT2	1.53	2.36
tblVehicleEF	LDT2	397.09	369.05
tblVehicleEF	LDT2	81.97	71.54
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.15	0.31
tblVehicleEF	LDT2	1.7370e-003	1.6820e-003
tblVehicleEF	LDT2	2.4180e-003	2.0130e-003
tblVehicleEF	LDT2	1.5980e-003	1.5480e-003
tblVehicleEF	LDT2	2.2230e-003	1.8510e-003
tblVehicleEF	LDT2	0.14	0.19
tblVehicleEF	LDT2	0.16	0.17
tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.46
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	3.9810e-003	3.6510e-003
tblVehicleEF	LDT2	8.4600e-004	7.0800e-004
tblVehicleEF	LDT2	0.14	0.19
tblVehicleEF	LDT2	0.16	0.17
tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.03	0.03

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	LDT2	0.07	0.46
tblVehicleEF	LDT2	0.11	0.34
tblVehicleEF	LDT2	6.7430e-003	4.8730e-003
tblVehicleEF	LDT2	9.2200e-003	0.08
tblVehicleEF	LDT2	0.81	1.05
tblVehicleEF	LDT2	1.82	2.82
tblVehicleEF	LDT2	355.82	341.80
tblVehicleEF	LDT2	81.97	72.45
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.16	0.33
tblVehicleEF	LDT2	1.7370e-003	1.6820e-003
tblVehicleEF	LDT2	2.4180e-003	2.0130e-003
tblVehicleEF	LDT2	1.5980e-003	1.5480e-003
tblVehicleEF	LDT2	2.2230e-003	1.8510e-003
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.55
tblVehicleEF	LDT2	0.12	0.37
tblVehicleEF	LDT2	3.5650e-003	3.3820e-003
tblVehicleEF	LDT2	8.5100e-004	7.1700e-004
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.55

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	LDT2	0.14	0.40
tblVehicleEF	LHD1	5.4860e-003	5.2260e-003
tblVehicleEF	LHD1	0.01	6.6980e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.16	0.82
tblVehicleEF	LHD1	2.77	1.07
tblVehicleEF	LHD1	9.23	9.31
tblVehicleEF	LHD1	614.92	661.60
tblVehicleEF	LHD1	30.92	11.44
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.26	1.38
tblVehicleEF	LHD1	1.02	0.33
tblVehicleEF	LHD1	9.6600e-004	8.7500e-004
tblVehicleEF	LHD1	0.01	9.8530e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7200e-004
tblVehicleEF	LHD1	9.2400e-004	8.3700e-004
tblVehicleEF	LHD1	2.5280e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.2600e-004	2.5000e-004
tblVehicleEF	LHD1	3.7970e-003	3.2010e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8480e-003	1.6460e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.58

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD1	0.29	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	6.0360e-003	6.4470e-003
tblVehicleEF	LHD1	3.6200e-004	1.1300e-004
tblVehicleEF	LHD1	3.7970e-003	3.2010e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8480e-003	1.6460e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD1	5.4860e-003	5.2390e-003
tblVehicleEF	LHD1	0.01	6.8390e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.18	0.83
tblVehicleEF	LHD1	2.58	1.02
tblVehicleEF	LHD1	9.23	9.31
tblVehicleEF	LHD1	614.92	661.62
tblVehicleEF	LHD1	30.92	11.34
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.12	1.29
tblVehicleEF	LHD1	0.97	0.32
tblVehicleEF	LHD1	9.6600e-004	8.7500e-004
tblVehicleEF	LHD1	0.01	9.8530e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7200e-004

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD1	9.2400e-004	8.3700e-004
tblVehicleEF	LHD1	2.5280e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.2600e-004	2.5000e-004
tblVehicleEF	LHD1	7.5090e-003	5.7800e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.2150e-003	3.1920e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	6.0370e-003	6.4470e-003
tblVehicleEF	LHD1	3.5800e-004	1.1200e-004
tblVehicleEF	LHD1	7.5090e-003	5.7800e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.2150e-003	3.1920e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.30	0.09
tblVehicleEF	LHD1	5.4860e-003	5.2270e-003
tblVehicleEF	LHD1	0.01	6.7060e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.16	0.82
tblVehicleEF	LHD1	2.72	1.06

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD1	9.23	9.31
tblVehicleEF	LHD1	614.92	661.60
tblVehicleEF	LHD1	30.92	11.43
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.22	1.36
tblVehicleEF	LHD1	1.00	0.33
tblVehicleEF	LHD1	9.6600e-004	8.7500e-004
tblVehicleEF	LHD1	0.01	9.8530e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7200e-004
tblVehicleEF	LHD1	9.2400e-004	8.3700e-004
tblVehicleEF	LHD1	2.5280e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.2600e-004	2.5000e-004
tblVehicleEF	LHD1	4.1760e-003	3.3430e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8200e-003	1.6790e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.38	0.63
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	6.0360e-003	6.4470e-003
tblVehicleEF	LHD1	3.6100e-004	1.1300e-004
tblVehicleEF	LHD1	4.1760e-003	3.3430e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD1	1.8200e-003	1.6790e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.38	0.63
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD2	3.8190e-003	3.8230e-003
tblVehicleEF	LHD2	5.2410e-003	4.4730e-003
tblVehicleEF	LHD2	9.1660e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.55	0.54
tblVehicleEF	LHD2	1.29	0.70
tblVehicleEF	LHD2	14.32	14.19
tblVehicleEF	LHD2	614.63	675.54
tblVehicleEF	LHD2	24.89	9.01
tblVehicleEF	LHD2	0.12	0.11
tblVehicleEF	LHD2	1.69	1.49
tblVehicleEF	LHD2	0.56	0.23
tblVehicleEF	LHD2	1.3030e-003	1.2910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.4500e-004
tblVehicleEF	LHD2	1.2470e-003	1.2360e-003
tblVehicleEF	LHD2	2.6810e-003	2.6480e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.3300e-004
tblVehicleEF	LHD2	1.4000e-003	1.7970e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02



## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD2	7.3800e-004	9.5100e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	1.4000e-004	1.3600e-004
tblVehicleEF	LHD2	5.9810e-003	6.5320e-003
tblVehicleEF	LHD2	2.7300e-004	8.9000e-005
tblVehicleEF	LHD2	1.4000e-003	1.7970e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.3800e-004	9.5100e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.14	0.06
tblVehicleEF	LHD2	3.8190e-003	3.8330e-003
tblVehicleEF	LHD2	5.3190e-003	4.5210e-003
tblVehicleEF	LHD2	8.7380e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.56	0.55
tblVehicleEF	LHD2	1.21	0.67
tblVehicleEF	LHD2	14.32	14.19
tblVehicleEF	LHD2	614.63	675.55
tblVehicleEF	LHD2	24.89	8.94
tblVehicleEF	LHD2	0.12	0.11
tblVehicleEF	LHD2	1.59	1.41
tblVehicleEF	LHD2	0.54	0.22
tblVehicleEF	LHD2	1.3030e-003	1.2910e-003

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.4500e-004
tblVehicleEF	LHD2	1.2470e-003	1.2360e-003
tblVehicleEF	LHD2	2.6810e-003	2.6480e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.3300e-004
tblVehicleEF	LHD2	2.7070e-003	3.2440e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.6130e-003	1.8360e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	1.4000e-004	1.3600e-004
tblVehicleEF	LHD2	5.9810e-003	6.5320e-003
tblVehicleEF	LHD2	2.7100e-004	8.8000e-005
tblVehicleEF	LHD2	2.7070e-003	3.2440e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.6130e-003	1.8360e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	LHD2	3.8190e-003	3.8240e-003
tblVehicleEF	LHD2	5.2490e-003	4.4770e-003
tblVehicleEF	LHD2	9.0820e-003	0.01

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.55	0.54
tblVehicleEF	LHD2	1.27	0.70
tblVehicleEF	LHD2	14.32	14.19
tblVehicleEF	LHD2	614.63	675.54
tblVehicleEF	LHD2	24.89	9.00
tblVehicleEF	LHD2	0.12	0.11
tblVehicleEF	LHD2	1.67	1.47
tblVehicleEF	LHD2	0.55	0.23
tblVehicleEF	LHD2	1.3030e-003	1.2910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.4500e-004
tblVehicleEF	LHD2	1.2470e-003	1.2360e-003
tblVehicleEF	LHD2	2.6810e-003	2.6480e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.3300e-004
tblVehicleEF	LHD2	1.4600e-003	1.8290e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5600e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.36
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	1.4000e-004	1.3600e-004
tblVehicleEF	LHD2	5.9810e-003	6.5320e-003
tblVehicleEF	LHD2	2.7200e-004	8.9000e-005

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD2	1.4600e-003	1.8290e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5600e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.36
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	21.02	19.60
tblVehicleEF	MCY	9.91	8.58
tblVehicleEF	MCY	167.12	212.10
tblVehicleEF	MCY	46.87	61.05
tblVehicleEF	MCY	1.17	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8190e-003	1.9180e-003
tblVehicleEF	MCY	3.7460e-003	3.0150e-003
tblVehicleEF	MCY	1.7050e-003	1.7950e-003
tblVehicleEF	MCY	3.5370e-003	2.8420e-003
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.85	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.26	2.35
tblVehicleEF	MCY	0.50	1.97
tblVehicleEF	MCY	2.17	1.85
tblVehicleEF	MCY	2.0790e-003	2.0990e-003
tblVehicleEF	MCY	6.9500e-004	6.0400e-004

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.85	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.76	2.88
tblVehicleEF	MCY	0.50	1.97
tblVehicleEF	MCY	2.37	2.02
tblVehicleEF	MCY	0.41	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	21.14	19.61
tblVehicleEF	MCY	9.06	7.90
tblVehicleEF	MCY	167.12	211.94
tblVehicleEF	MCY	46.87	59.22
tblVehicleEF	MCY	0.99	0.98
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.8190e-003	1.9180e-003
tblVehicleEF	MCY	3.7460e-003	3.0150e-003
tblVehicleEF	MCY	1.7050e-003	1.7950e-003
tblVehicleEF	MCY	3.5370e-003	2.8420e-003
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.28	1.12
tblVehicleEF	MCY	2.14	1.77
tblVehicleEF	MCY	2.19	2.30
tblVehicleEF	MCY	0.50	1.94
tblVehicleEF	MCY	1.87	1.62
tblVehicleEF	MCY	2.0790e-003	2.0970e-003
tblVehicleEF	MCY	6.7100e-004	5.8600e-004
tblVehicleEF	MCY	3.14	2.77

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	MCY	1.28	1.12
tblVehicleEF	MCY	2.14	1.77
tblVehicleEF	MCY	2.69	2.83
tblVehicleEF	MCY	0.50	1.94
tblVehicleEF	MCY	2.03	1.77
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	20.06	19.08
tblVehicleEF	MCY	9.53	8.41
tblVehicleEF	MCY	167.12	211.21
tblVehicleEF	MCY	46.87	60.69
tblVehicleEF	MCY	1.13	1.10
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8190e-003	1.9180e-003
tblVehicleEF	MCY	3.7460e-003	3.0150e-003
tblVehicleEF	MCY	1.7050e-003	1.7950e-003
tblVehicleEF	MCY	3.5370e-003	2.8420e-003
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.14	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.22	2.33
tblVehicleEF	MCY	0.57	2.24
tblVehicleEF	MCY	2.10	1.82
tblVehicleEF	MCY	2.0630e-003	2.0900e-003
tblVehicleEF	MCY	6.8600e-004	6.0100e-004
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.14	1.06

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.71	2.86
tblVehicleEF	MCY	0.57	2.24
tblVehicleEF	MCY	2.28	1.98
tblVehicleEF	MDV	0.01	6.4810e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.55	1.30
tblVehicleEF	MDV	3.59	3.43
tblVehicleEF	MDV	498.66	426.46
tblVehicleEF	MDV	110.76	89.79
tblVehicleEF	MDV	0.20	0.13
tblVehicleEF	MDV	0.36	0.42
tblVehicleEF	MDV	1.8680e-003	1.7780e-003
tblVehicleEF	MDV	2.5890e-003	2.1460e-003
tblVehicleEF	MDV	1.7240e-003	1.6400e-003
tblVehicleEF	MDV	2.3820e-003	1.9750e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.51
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	5.0000e-003	4.2170e-003
tblVehicleEF	MDV	1.1710e-003	8.8900e-004
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.21	0.18
tblVehicleEF	MDV	0.09	0.11

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.51
tblVehicleEF	MDV	0.31	0.53
tblVehicleEF	MDV	0.02	7.2390e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.87	1.54
tblVehicleEF	MDV	2.99	2.88
tblVehicleEF	MDV	542.90	450.72
tblVehicleEF	MDV	110.76	88.68
tblVehicleEF	MDV	0.18	0.11
tblVehicleEF	MDV	0.33	0.39
tblVehicleEF	MDV	1.8680e-003	1.7780e-003
tblVehicleEF	MDV	2.5890e-003	2.1460e-003
tblVehicleEF	MDV	1.7240e-003	1.6400e-003
tblVehicleEF	MDV	2.3820e-003	1.9750e-003
tblVehicleEF	MDV	0.21	0.22
tblVehicleEF	MDV	0.24	0.20
tblVehicleEF	MDV	0.18	0.19
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.24	0.41
tblVehicleEF	MDV	5.4470e-003	4.4570e-003
tblVehicleEF	MDV	1.1600e-003	8.7800e-004
tblVehicleEF	MDV	0.21	0.22
tblVehicleEF	MDV	0.24	0.20
tblVehicleEF	MDV	0.18	0.19
tblVehicleEF	MDV	0.06	0.05



## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.26	0.45
tblVehicleEF	MDV	0.01	6.3480e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.47	1.25
tblVehicleEF	MDV	3.53	3.44
tblVehicleEF	MDV	488.33	421.93
tblVehicleEF	MDV	110.76	89.81
tblVehicleEF	MDV	0.19	0.12
tblVehicleEF	MDV	0.35	0.41
tblVehicleEF	MDV	1.8680e-003	1.7780e-003
tblVehicleEF	MDV	2.5890e-003	2.1460e-003
tblVehicleEF	MDV	1.7240e-003	1.6400e-003
tblVehicleEF	MDV	2.3820e-003	1.9750e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.59
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	4.8960e-003	4.1720e-003
tblVehicleEF	MDV	1.1700e-003	8.8900e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.13	0.59

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	MDV	0.31	0.53
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.60	1.54
tblVehicleEF	MH	6.96	2.24
tblVehicleEF	MH	1,048.28	1,507.66
tblVehicleEF	MH	59.91	19.53
tblVehicleEF	MH	1.64	1.53
tblVehicleEF	MH	0.95	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.7100e-004
tblVehicleEF	MH	3.2210e-003	3.2700e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	2.4900e-004
tblVehicleEF	MH	1.56	1.22
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.54	0.44
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.62
tblVehicleEF	MH	0.40	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.2000e-004	1.9300e-004
tblVehicleEF	MH	1.56	1.22
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.54	0.44
tblVehicleEF	MH	0.17	0.10

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	MH	0.03	1.62
tblVehicleEF	MH	0.44	0.11
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.74	1.58
tblVehicleEF	MH	6.31	2.08
tblVehicleEF	MH	1,048.28	1,507.73
tblVehicleEF	MH	59.91	19.26
tblVehicleEF	MH	1.50	1.42
tblVehicleEF	MH	0.90	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.7100e-004
tblVehicleEF	MH	3.2210e-003	3.2700e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	2.4900e-004
tblVehicleEF	MH	3.12	2.17
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.30	0.88
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.61
tblVehicleEF	MH	0.37	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0900e-004	1.9100e-004
tblVehicleEF	MH	3.12	2.17
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.30	0.88

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.61
tblVehicleEF	MH	0.41	0.11
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.61	1.54
tblVehicleEF	MH	6.87	2.24
tblVehicleEF	MH	1,048.28	1,507.66
tblVehicleEF	MH	59.91	19.53
tblVehicleEF	MH	1.61	1.50
tblVehicleEF	MH	0.94	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.7100e-004
tblVehicleEF	MH	3.2210e-003	3.2700e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	2.4900e-004
tblVehicleEF	MH	1.88	1.37
tblVehicleEF	MH	0.12	0.09
tblVehicleEF	MH	0.56	0.47
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.71
tblVehicleEF	MH	0.40	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.1900e-004	1.9300e-004
tblVehicleEF	MH	1.88	1.37
tblVehicleEF	MH	0.12	0.09

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	MH	0.56	0.47
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.71
tblVehicleEF	MH	0.43	0.11
tblVehicleEF	MHD	0.02	2.5780e-003
tblVehicleEF	MHD	4.1450e-003	5.9780e-003
tblVehicleEF	MHD	0.06	6.7400e-003
tblVehicleEF	MHD	0.33	0.31
tblVehicleEF	MHD	0.31	0.52
tblVehicleEF	MHD	6.00	0.79
tblVehicleEF	MHD	155.10	71.13
tblVehicleEF	MHD	1,105.72	1,006.19
tblVehicleEF	MHD	53.92	6.51
tblVehicleEF	MHD	0.63	0.62
tblVehicleEF	MHD	1.08	2.32
tblVehicleEF	MHD	11.74	1.28
tblVehicleEF	MHD	4.3700e-004	2.0960e-003
tblVehicleEF	MHD	5.5780e-003	0.07
tblVehicleEF	MHD	8.2200e-004	8.0000e-005
tblVehicleEF	MHD	4.1800e-004	2.0050e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	7.3000e-005
tblVehicleEF	MHD	1.4330e-003	5.0000e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	7.1400e-004	2.5900e-004
tblVehicleEF	MHD	0.04	0.11

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.36	0.04
tblVehicleEF	MHD	1.4910e-003	6.7400e-004
tblVehicleEF	MHD	0.01	9.5620e-003
tblVehicleEF	MHD	6.4400e-004	6.4000e-005
tblVehicleEF	MHD	1.4330e-003	5.0000e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.1400e-004	2.5900e-004
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.40	0.04
tblVehicleEF	MHD	0.02	2.4500e-003
tblVehicleEF	MHD	4.2290e-003	6.0070e-003
tblVehicleEF	MHD	0.05	6.4700e-003
tblVehicleEF	MHD	0.24	0.26
tblVehicleEF	MHD	0.32	0.52
tblVehicleEF	MHD	5.61	0.75
tblVehicleEF	MHD	164.29	72.33
tblVehicleEF	MHD	1,105.72	1,006.20
tblVehicleEF	MHD	53.92	6.44
tblVehicleEF	MHD	0.65	0.63
tblVehicleEF	MHD	1.01	2.18
tblVehicleEF	MHD	11.70	1.28
tblVehicleEF	MHD	3.6900e-004	1.7700e-003
tblVehicleEF	MHD	5.5780e-003	0.07
tblVehicleEF	MHD	8.2200e-004	8.0000e-005

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	MHD	3.5300e-004	1.6930e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	7.3000e-005
tblVehicleEF	MHD	2.8480e-003	9.1700e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.6690e-003	5.2200e-004
tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.35	0.03
tblVehicleEF	MHD	1.5770e-003	6.8500e-004
tblVehicleEF	MHD	0.01	9.5630e-003
tblVehicleEF	MHD	6.3800e-004	6.4000e-005
tblVehicleEF	MHD	2.8480e-003	9.1700e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.6690e-003	5.2200e-004
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.38	0.04
tblVehicleEF	MHD	0.02	2.7650e-003
tblVehicleEF	MHD	4.1530e-003	5.9780e-003
tblVehicleEF	MHD	0.06	6.6910e-003
tblVehicleEF	MHD	0.46	0.38
tblVehicleEF	MHD	0.31	0.52
tblVehicleEF	MHD	5.90	0.78
tblVehicleEF	MHD	142.41	69.48

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	MHD	1,105.72	1,006.19
tblVehicleEF	MHD	53.92	6.50
tblVehicleEF	MHD	0.60	0.61
tblVehicleEF	MHD	1.06	2.28
tblVehicleEF	MHD	11.73	1.28
tblVehicleEF	MHD	5.3200e-004	2.5470e-003
tblVehicleEF	MHD	5.5780e-003	0.07
tblVehicleEF	MHD	8.2200e-004	8.0000e-005
tblVehicleEF	MHD	5.0900e-004	2.4370e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	7.3000e-005
tblVehicleEF	MHD	1.5800e-003	5.2700e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.0500e-004	2.6500e-004
tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.36	0.04
tblVehicleEF	MHD	1.3710e-003	6.5800e-004
tblVehicleEF	MHD	0.01	9.5620e-003
tblVehicleEF	MHD	6.4300e-004	6.4000e-005
tblVehicleEF	MHD	1.5800e-003	5.2700e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	7.0500e-004	2.6500e-004
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.10



## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	MHD	0.39	0.04
tblVehicleEF	OBUS	0.01	9.0870e-003
tblVehicleEF	OBUS	0.01	8.8680e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.53
tblVehicleEF	OBUS	0.73	0.98
tblVehicleEF	OBUS	6.67	2.51
tblVehicleEF	OBUS	70.21	78.17
tblVehicleEF	OBUS	1,126.32	1,439.48
tblVehicleEF	OBUS	71.08	20.77
tblVehicleEF	OBUS	0.32	0.46
tblVehicleEF	OBUS	1.10	1.64
tblVehicleEF	OBUS	1.97	0.63
tblVehicleEF	OBUS	1.1300e-004	1.7960e-003
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.1800e-004
tblVehicleEF	OBUS	1.0800e-004	1.7180e-003
tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	2.0000e-004
tblVehicleEF	OBUS	2.2350e-003	2.6450e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	9.4600e-004	1.1230e-003
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.41	0.12
tblVehicleEF	OBUS	6.8200e-004	7.4500e-004

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2800e-004	2.0500e-004
tblVehicleEF	OBUS	2.2350e-003	2.6450e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.4600e-004	1.1230e-003
tblVehicleEF	OBUS	0.06	0.11
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.45	0.13
tblVehicleEF	OBUS	0.01	9.1120e-003
tblVehicleEF	OBUS	0.01	9.0270e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.50
tblVehicleEF	OBUS	0.75	0.99
tblVehicleEF	OBUS	6.11	2.33
tblVehicleEF	OBUS	73.34	78.62
tblVehicleEF	OBUS	1,126.32	1,439.51
tblVehicleEF	OBUS	71.08	20.47
tblVehicleEF	OBUS	0.33	0.46
tblVehicleEF	OBUS	1.02	1.53
tblVehicleEF	OBUS	1.92	0.62
tblVehicleEF	OBUS	9.5000e-005	1.5180e-003
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.1800e-004
tblVehicleEF	OBUS	9.1000e-005	1.4520e-003
tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	2.0000e-004

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	OBUS	4.3510e-003	4.7740e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	2.1830e-003	2.2390e-003
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.39	0.12
tblVehicleEF	OBUS	7.1200e-004	7.4900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1800e-004	2.0300e-004
tblVehicleEF	OBUS	4.3510e-003	4.7740e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.1830e-003	2.2390e-003
tblVehicleEF	OBUS	0.07	0.11
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	OBUS	0.01	9.0830e-003
tblVehicleEF	OBUS	0.01	8.8720e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.56
tblVehicleEF	OBUS	0.73	0.98
tblVehicleEF	OBUS	6.62	2.51
tblVehicleEF	OBUS	65.88	77.54
tblVehicleEF	OBUS	1,126.32	1,439.48
tblVehicleEF	OBUS	71.08	20.78
tblVehicleEF	OBUS	0.31	0.46

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	OBUS	1.08	1.61
tblVehicleEF	OBUS	1.96	0.62
tblVehicleEF	OBUS	1.3700e-004	2.1800e-003
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.1800e-004
tblVehicleEF	OBUS	1.3100e-004	2.0860e-003
tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	2.0000e-004
tblVehicleEF	OBUS	2.3980e-003	2.8110e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	9.5900e-004	1.1780e-003
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.30
tblVehicleEF	OBUS	0.41	0.12
tblVehicleEF	OBUS	6.4100e-004	7.3900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2700e-004	2.0600e-004
tblVehicleEF	OBUS	2.3980e-003	2.8110e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.5900e-004	1.1780e-003
tblVehicleEF	OBUS	0.06	0.11
tblVehicleEF	OBUS	0.05	0.30
tblVehicleEF	OBUS	0.45	0.13
tblVehicleEF	SBUS	0.86	0.06
tblVehicleEF	SBUS	0.01	9.3510e-003

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	SBUS	0.07	6.0110e-003
tblVehicleEF	SBUS	5.64	2.44
tblVehicleEF	SBUS	0.71	0.85
tblVehicleEF	SBUS	5.49	0.82
tblVehicleEF	SBUS	1,270.71	346.38
tblVehicleEF	SBUS	1,144.20	1,125.90
tblVehicleEF	SBUS	36.06	4.74
tblVehicleEF	SBUS	12.46	3.40
tblVehicleEF	SBUS	5.17	5.50
tblVehicleEF	SBUS	15.23	0.84
tblVehicleEF	SBUS	0.01	4.8620e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	4.1000e-005
tblVehicleEF	SBUS	0.01	4.6520e-003
tblVehicleEF	SBUS	2.7630e-003	2.7030e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	3.8000e-005
tblVehicleEF	SBUS	3.0740e-003	1.3250e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.3130e-003	6.0000e-004
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.28	0.03
tblVehicleEF	SBUS	0.01	3.3010e-003
tblVehicleEF	SBUS	0.01	0.01

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	SBUS	4.5600e-004	4.7000e-005
tblVehicleEF	SBUS	3.0740e-003	1.3250e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.97	0.39
tblVehicleEF	SBUS	1.3130e-003	6.0000e-004
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.31	0.04
tblVehicleEF	SBUS	0.86	0.06
tblVehicleEF	SBUS	0.01	9.4940e-003
tblVehicleEF	SBUS	0.06	5.0320e-003
tblVehicleEF	SBUS	5.48	2.40
tblVehicleEF	SBUS	0.72	0.87
tblVehicleEF	SBUS	3.76	0.59
tblVehicleEF	SBUS	1,335.64	354.98
tblVehicleEF	SBUS	1,144.20	1,125.93
tblVehicleEF	SBUS	36.06	4.36
tblVehicleEF	SBUS	12.86	3.47
tblVehicleEF	SBUS	4.84	5.16
tblVehicleEF	SBUS	15.20	0.83
tblVehicleEF	SBUS	0.01	4.1060e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	4.1000e-005
tblVehicleEF	SBUS	0.01	3.9280e-003
tblVehicleEF	SBUS	2.7630e-003	2.7030e-003
tblVehicleEF	SBUS	0.03	0.03

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	SBUS	4.6500e-004	3.8000e-005
tblVehicleEF	SBUS	5.9210e-003	2.3540e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.67	0.28
tblVehicleEF	SBUS	2.9370e-003	1.1400e-003
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	9.6420e-003	0.07
tblVehicleEF	SBUS	0.23	0.03
tblVehicleEF	SBUS	0.01	3.3820e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.2700e-004	4.3000e-005
tblVehicleEF	SBUS	5.9210e-003	2.3540e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.96	0.39
tblVehicleEF	SBUS	2.9370e-003	1.1400e-003
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	9.6420e-003	0.07
tblVehicleEF	SBUS	0.25	0.03
tblVehicleEF	SBUS	0.86	0.06
tblVehicleEF	SBUS	0.01	9.3430e-003
tblVehicleEF	SBUS	0.07	6.1930e-003
tblVehicleEF	SBUS	5.85	2.50
tblVehicleEF	SBUS	0.71	0.85
tblVehicleEF	SBUS	5.54	0.86
tblVehicleEF	SBUS	1,181.05	334.50
tblVehicleEF	SBUS	1,144.20	1,125.90
tblVehicleEF	SBUS	36.06	4.80

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	SBUS	11.91	3.29
tblVehicleEF	SBUS	5.09	5.42
tblVehicleEF	SBUS	15.23	0.84
tblVehicleEF	SBUS	0.02	5.9060e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	4.1000e-005
tblVehicleEF	SBUS	0.02	5.6510e-003
tblVehicleEF	SBUS	2.7630e-003	2.7030e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	3.8000e-005
tblVehicleEF	SBUS	3.2090e-003	1.3400e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.2980e-003	6.1900e-004
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.01	0.09
tblVehicleEF	SBUS	0.29	0.04
tblVehicleEF	SBUS	0.01	3.1880e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.5600e-004	4.8000e-005
tblVehicleEF	SBUS	3.2090e-003	1.3400e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.97	0.40
tblVehicleEF	SBUS	1.2980e-003	6.1900e-004
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.01	0.09



## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	SBUS	0.32	0.04
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	9.79	34.75
tblVehicleEF	UBUS	14.93	0.93
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	11.84
tblVehicleEF	UBUS	6.43	0.38
tblVehicleEF	UBUS	13.77	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6530e-003
tblVehicleEF	UBUS	1.3790e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.07	2.5270e-003
tblVehicleEF	UBUS	1.2680e-003	1.3000e-004
tblVehicleEF	UBUS	8.4220e-003	1.0750e-003
tblVehicleEF	UBUS	0.12	7.9950e-003
tblVehicleEF	UBUS	4.0730e-003	6.3000e-004
tblVehicleEF	UBUS	0.66	0.07
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.19	0.04
tblVehicleEF	UBUS	0.01	3.0270e-003
tblVehicleEF	UBUS	1.6230e-003	1.1700e-004
tblVehicleEF	UBUS	8.4220e-003	1.0750e-003
tblVehicleEF	UBUS	0.12	7.9950e-003

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	UBUS	4.0730e-003	6.3000e-004
tblVehicleEF	UBUS	2.68	4.54
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.30	0.04
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.08	9.3650e-003
tblVehicleEF	UBUS	9.90	34.75
tblVehicleEF	UBUS	12.23	0.79
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	11.61
tblVehicleEF	UBUS	5.98	0.38
tblVehicleEF	UBUS	13.65	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6530e-003
tblVehicleEF	UBUS	1.3790e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.07	2.5270e-003
tblVehicleEF	UBUS	1.2680e-003	1.3000e-004
tblVehicleEF	UBUS	0.02	1.9730e-003
tblVehicleEF	UBUS	0.15	9.6930e-003
tblVehicleEF	UBUS	9.6640e-003	1.3010e-003
tblVehicleEF	UBUS	0.67	0.07
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.06	0.03
tblVehicleEF	UBUS	0.01	3.0270e-003

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	UBUS	1.5760e-003	1.1500e-004
tblVehicleEF	UBUS	0.02	1.9730e-003
tblVehicleEF	UBUS	0.15	9.6930e-003
tblVehicleEF	UBUS	9.6640e-003	1.3010e-003
tblVehicleEF	UBUS	2.69	4.54
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.16	0.04
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	9.80	34.75
tblVehicleEF	UBUS	14.43	0.94
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	11.87
tblVehicleEF	UBUS	6.31	0.38
tblVehicleEF	UBUS	13.74	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6530e-003
tblVehicleEF	UBUS	1.3790e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.07	2.5270e-003
tblVehicleEF	UBUS	1.2680e-003	1.3000e-004
tblVehicleEF	UBUS	9.6690e-003	1.1090e-003
tblVehicleEF	UBUS	0.15	9.1160e-003
tblVehicleEF	UBUS	4.2700e-003	6.4000e-004
tblVehicleEF	UBUS	0.66	0.07

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.17	0.04
tblVehicleEF	UBUS	0.01	3.0270e-003
tblVehicleEF	UBUS	1.6140e-003	1.1700e-004
tblVehicleEF	UBUS	9.6690e-003	1.1090e-003
tblVehicleEF	UBUS	0.15	9.1160e-003
tblVehicleEF	UBUS	4.2700e-003	6.4000e-004
tblVehicleEF	UBUS	2.68	4.54
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.28	0.04
tblVehicleTrips	CNW_TL	6.90	25.00
tblVehicleTrips	CNW_TTP	41.00	20.00
tblVehicleTrips	CW_TL	16.60	9.50
tblVehicleTrips	CW_TTP	59.00	80.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	ST_TR	1.68	2.71
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.68	2.71
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	11.03	0.00

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

tblVehicleTrips	WD_TR	1.68	0.00
tblVehicleTrips	WD_TR	1.68	2.71

**2.0 Emissions Summary**

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9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	23.5744	1.0000e-003	0.1085	1.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004		0.2317	0.2317	6.2000e-004		0.2471
Energy	0.5896	5.3602	4.5026	0.0322		0.4074	0.4074		0.4074	0.4074		6,432.2695	6,432.2695	0.1233	0.1179	6,470.4932
Mobile	6.5254	40.0882	67.5730	0.2603	17.9451	0.5876	18.5327	4.8330	0.5595	5.3925		27,441.6944	27,441.6944	1.3884		27,476.4046
Offroad	0.7760	7.0748	7.0071	9.1700e-003		0.5022	0.5022		0.4620	0.4620		888.1850	888.1850	0.2873		895.3664
<b>Total</b>	<b>31.4654</b>	<b>52.5242</b>	<b>79.1912</b>	<b>0.3016</b>	<b>17.9451</b>	<b>1.4975</b>	<b>19.4426</b>	<b>4.8330</b>	<b>1.4293</b>	<b>6.2623</b>		<b>34,762.3805</b>	<b>34,762.3805</b>	<b>1.7996</b>	<b>0.1179</b>	<b>34,842.5113</b>

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	23.5744	1.0000e-003	0.1085	1.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004		0.2317	0.2317	6.2000e-004		0.2471
Energy	0.5671	5.1554	4.3305	0.0309		0.3918	0.3918		0.3918	0.3918		6,186.4437	6,186.4437	0.1186	0.1134	6,223.2067
Mobile	6.5254	40.0882	67.5730	0.2603	17.9451	0.5876	18.5327	4.8330	0.5595	5.3925		27,441.6944	27,441.6944	1.3884		27,476.4046
Offroad	0.7760	7.0748	7.0071	9.1700e-003		0.5022	0.5022		0.4620	0.4620		888.1850	888.1850	0.2873		895.3664
<b>Total</b>	<b>31.4428</b>	<b>52.3193</b>	<b>79.0191</b>	<b>0.3004</b>	<b>17.9451</b>	<b>1.4819</b>	<b>19.4271</b>	<b>4.8330</b>	<b>1.4137</b>	<b>6.2467</b>		<b>34,516.5548</b>	<b>34,516.5548</b>	<b>1.7949</b>	<b>0.1134</b>	<b>34,595.2247</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.07</b>	<b>0.39</b>	<b>0.22</b>	<b>0.41</b>	<b>0.00</b>	<b>1.04</b>	<b>0.08</b>	<b>0.00</b>	<b>1.09</b>	<b>0.25</b>	<b>0.00</b>	<b>0.71</b>	<b>0.71</b>	<b>0.26</b>	<b>3.82</b>	<b>0.71</b>

**3.0 Construction Detail**

**Construction Phase**



9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2020	10/30/2020	5	44	
2	Site Preparation	Site Preparation	11/1/2020	11/10/2020	5	7	
3	Grading	Grading	11/11/2020	12/30/2020	5	36	
4	Building Construction	Building Construction	12/31/2020	8/27/2021	5	172	
5	Architectural Coating	Architectural Coating	5/23/2021	9/27/2021	5	91	
6	Paving	Paving	6/27/2021	10/27/2021	5	88	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 187.5**

**Acres of Paving: 20**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,556,201; Non-Residential Outdoor: 518,734; Striped Parking Area: 52,272 (Architectural Coating – sqft)**

**OffRoad Equipment**

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Crushing/Proc. Equipment	2	8.00	85	0.78
Demolition	Excavators	3	8.00	158	0.38
Demolition	Generator Sets	2	8.00	84	0.74
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	10	25.00	0.00	549.00	14.70	6.90	27.90	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	903.00	353.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	181.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

- Replace Ground Cover
- Water Exposed Area
- Water Unpaved Roads
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads

**3.2 Demolition - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7011	0.0000	2.7011	0.4090	0.0000	0.4090			0.0000			0.0000
Off-Road	5.2164	47.7565	37.8688	0.0660		2.5329	2.5329		2.4161	2.4161		6,322.834 3	6,322.834 3	1.2263		6,353.492 7
<b>Total</b>	<b>5.2164</b>	<b>47.7565</b>	<b>37.8688</b>	<b>0.0660</b>	<b>2.7011</b>	<b>2.5329</b>	<b>5.2340</b>	<b>0.4090</b>	<b>2.4161</b>	<b>2.8251</b>		<b>6,322.834 3</b>	<b>6,322.834 3</b>	<b>1.2263</b>		<b>6,353.492 7</b>

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

**3.2 Demolition - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0976	3.7326	0.5816	0.0129	0.3045	0.0126	0.3171	0.0835	0.0121	0.0955		1,366.6578	1,366.6578	0.0639		1,368.2561
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1365	0.0876	1.1243	2.8400e-003	0.2794	1.8300e-003	0.2813	0.0741	1.6900e-003	0.0758		282.5210	282.5210	8.6200e-003		282.7367
<b>Total</b>	<b>0.2340</b>	<b>3.8202</b>	<b>1.7059</b>	<b>0.0157</b>	<b>0.5840</b>	<b>0.0144</b>	<b>0.5984</b>	<b>0.1576</b>	<b>0.0137</b>	<b>0.1713</b>		<b>1,649.1788</b>	<b>1,649.1788</b>	<b>0.0726</b>		<b>1,650.9927</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1547	0.0000	1.1547	0.1748	0.0000	0.1748			0.0000			0.0000
Off-Road	5.2164	47.7565	37.8688	0.0660		2.5329	2.5329		2.4161	2.4161	0.0000	6,322.8343	6,322.8343	1.2263		6,353.4927
<b>Total</b>	<b>5.2164</b>	<b>47.7565</b>	<b>37.8688</b>	<b>0.0660</b>	<b>1.1547</b>	<b>2.5329</b>	<b>3.6876</b>	<b>0.1748</b>	<b>2.4161</b>	<b>2.5909</b>	<b>0.0000</b>	<b>6,322.8343</b>	<b>6,322.8343</b>	<b>1.2263</b>		<b>6,353.4927</b>

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

**3.2 Demolition - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0976	3.7326	0.5816	0.0129	0.2838	0.0126	0.2964	0.0784	0.0121	0.0904		1,366.6578	1,366.6578	0.0639		1,368.2561
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1365	0.0876	1.1243	2.8400e-003	0.2576	1.8300e-003	0.2594	0.0687	1.6900e-003	0.0704		282.5210	282.5210	8.6200e-003		282.7367
<b>Total</b>	<b>0.2340</b>	<b>3.8202</b>	<b>1.7059</b>	<b>0.0157</b>	<b>0.5414</b>	<b>0.0144</b>	<b>0.5558</b>	<b>0.1471</b>	<b>0.0137</b>	<b>0.1609</b>		<b>1,649.1788</b>	<b>1,649.1788</b>	<b>0.0726</b>		<b>1,650.9927</b>

**3.3 Site Preparation - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
<b>Total</b>	<b>4.0765</b>	<b>42.4173</b>	<b>21.5136</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.1974</b>	<b>20.2637</b>	<b>9.9307</b>	<b>2.0216</b>	<b>11.9523</b>		<b>3,685.1016</b>	<b>3,685.1016</b>	<b>1.1918</b>		<b>3,714.8975</b>

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

**3.3 Site Preparation - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0982	0.0631	0.8095	2.0400e-003	0.2012	1.3200e-003	0.2025	0.0534	1.2100e-003	0.0546		203.4151	203.4151	6.2100e-003		203.5704
<b>Total</b>	<b>0.0982</b>	<b>0.0631</b>	<b>0.8095</b>	<b>2.0400e-003</b>	<b>0.2012</b>	<b>1.3200e-003</b>	<b>0.2025</b>	<b>0.0534</b>	<b>1.2100e-003</b>	<b>0.0546</b>		<b>203.4151</b>	<b>203.4151</b>	<b>6.2100e-003</b>		<b>203.5704</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.7233	0.0000	7.7233	4.2454	0.0000	4.2454			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
<b>Total</b>	<b>4.0765</b>	<b>42.4173</b>	<b>21.5136</b>	<b>0.0380</b>	<b>7.7233</b>	<b>2.1974</b>	<b>9.9207</b>	<b>4.2454</b>	<b>2.0216</b>	<b>6.2670</b>	<b>0.0000</b>	<b>3,685.1016</b>	<b>3,685.1016</b>	<b>1.1918</b>		<b>3,714.8975</b>

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

**3.3 Site Preparation - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0982	0.0631	0.8095	2.0400e-003	0.1855	1.3200e-003	0.1868	0.0495	1.2100e-003	0.0507		203.4151	203.4151	6.2100e-003		203.5704
<b>Total</b>	<b>0.0982</b>	<b>0.0631</b>	<b>0.8095</b>	<b>2.0400e-003</b>	<b>0.1855</b>	<b>1.3200e-003</b>	<b>0.1868</b>	<b>0.0495</b>	<b>1.2100e-003</b>	<b>0.0507</b>		<b>203.4151</b>	<b>203.4151</b>	<b>6.2100e-003</b>		<b>203.5704</b>

**3.4 Grading - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					11.5455	0.0000	11.5455	3.9066	0.0000	3.9066			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
<b>Total</b>	<b>4.4501</b>	<b>50.1975</b>	<b>31.9583</b>	<b>0.0620</b>	<b>11.5455</b>	<b>2.1739</b>	<b>13.7194</b>	<b>3.9066</b>	<b>2.0000</b>	<b>5.9066</b>		<b>6,005.8653</b>	<b>6,005.8653</b>	<b>1.9424</b>		<b>6,054.4257</b>

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

**3.4 Grading - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1092	0.0701	0.8995	2.2700e-003	0.2236	1.4600e-003	0.2250	0.0593	1.3500e-003	0.0606		226.0168	226.0168	6.9000e-003		226.1893
<b>Total</b>	<b>0.1092</b>	<b>0.0701</b>	<b>0.8995</b>	<b>2.2700e-003</b>	<b>0.2236</b>	<b>1.4600e-003</b>	<b>0.2250</b>	<b>0.0593</b>	<b>1.3500e-003</b>	<b>0.0606</b>		<b>226.0168</b>	<b>226.0168</b>	<b>6.9000e-003</b>		<b>226.1893</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9357	0.0000	4.9357	1.6701	0.0000	1.6701			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
<b>Total</b>	<b>4.4501</b>	<b>50.1975</b>	<b>31.9583</b>	<b>0.0620</b>	<b>4.9357</b>	<b>2.1739</b>	<b>7.1096</b>	<b>1.6701</b>	<b>2.0000</b>	<b>3.6701</b>	<b>0.0000</b>	<b>6,005.8653</b>	<b>6,005.8653</b>	<b>1.9424</b>		<b>6,054.4257</b>



9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

**3.4 Grading - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1092	0.0701	0.8995	2.2700e-003	0.2061	1.4600e-003	0.2075	0.0550	1.3500e-003	0.0563		226.0168	226.0168	6.9000e-003		226.1893
<b>Total</b>	<b>0.1092</b>	<b>0.0701</b>	<b>0.8995</b>	<b>2.2700e-003</b>	<b>0.2061</b>	<b>1.4600e-003</b>	<b>0.2075</b>	<b>0.0550</b>	<b>1.3500e-003</b>	<b>0.0563</b>		<b>226.0168</b>	<b>226.0168</b>	<b>6.9000e-003</b>		<b>226.1893</b>

**3.5 Building Construction - 2020**

**Unmitigated Construction On-Site**

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

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

**3.5 Building Construction - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0716	37.2516	7.2599	0.0958	2.2609	0.1714	2.4323	0.6510	0.1640	0.8150		10,099.3789	10,099.3789	0.6560		10,115.7786
Worker	4.9284	3.1630	40.6103	0.1025	10.0934	0.0661	10.1596	2.6768	0.0609	2.7377		10,204.6596	10,204.6596	0.3115		10,212.4477
<b>Total</b>	<b>6.0000</b>	<b>40.4147</b>	<b>47.8702</b>	<b>0.1983</b>	<b>12.3543</b>	<b>0.2376</b>	<b>12.5919</b>	<b>3.3278</b>	<b>0.2249</b>	<b>3.5527</b>		<b>20,304.0386</b>	<b>20,304.0386</b>	<b>0.9675</b>		<b>20,328.2263</b>

**Mitigated Construction On-Site**

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

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

**3.5 Building Construction - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0716	37.2516	7.2599	0.0958	2.1160	0.1714	2.2874	0.6154	0.1640	0.7794		10,099.3789	10,099.3789	0.6560		10,115.7786
Worker	4.9284	3.1630	40.6103	0.1025	9.3037	0.0661	9.3698	2.4830	0.0609	2.5439		10,204.6596	10,204.6596	0.3115		10,212.4477
<b>Total</b>	<b>6.0000</b>	<b>40.4147</b>	<b>47.8702</b>	<b>0.1983</b>	<b>11.4197</b>	<b>0.2376</b>	<b>11.6572</b>	<b>3.0984</b>	<b>0.2249</b>	<b>3.3233</b>		<b>20,304.0386</b>	<b>20,304.0386</b>	<b>0.9675</b>		<b>20,328.2263</b>

**3.5 Building Construction - 2021**

**Unmitigated Construction On-Site**

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

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

**3.5 Building Construction - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.9135	34.0424	6.4057	0.0952	2.2609	0.0584	2.3192	0.6510	0.0558	0.7068		10,046.00 26	10,046.00 26	0.6349		10,061.87 41
Worker	4.5881	2.8360	37.3827	0.0992	10.0934	0.0646	10.1580	2.6768	0.0595	2.7363		9,879.547 1	9,879.547 1	0.2812		9,886.576 7
<b>Total</b>	<b>5.5016</b>	<b>36.8784</b>	<b>43.7884</b>	<b>0.1945</b>	<b>12.3543</b>	<b>0.1229</b>	<b>12.4772</b>	<b>3.3278</b>	<b>0.1153</b>	<b>3.4431</b>		<b>19,925.54 96</b>	<b>19,925.54 96</b>	<b>0.9160</b>		<b>19,948.45 08</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.363 9	2,553.363 9	0.6160		2,568.764 3
<b>Total</b>	<b>1.9009</b>	<b>17.4321</b>	<b>16.5752</b>	<b>0.0269</b>		<b>0.9586</b>	<b>0.9586</b>		<b>0.9013</b>	<b>0.9013</b>	<b>0.0000</b>	<b>2,553.363 9</b>	<b>2,553.363 9</b>	<b>0.6160</b>		<b>2,568.764 3</b>

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

**3.5 Building Construction - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.9135	34.0424	6.4057	0.0952	2.1160	0.0584	2.1743	0.6154	0.0558	0.6712		10,046.00 26	10,046.00 26	0.6349		10,061.87 41
Worker	4.5881	2.8360	37.3827	0.0992	9.3037	0.0646	9.3682	2.4830	0.0595	2.5424		9,879.547 1	9,879.547 1	0.2812		9,886.576 7
<b>Total</b>	<b>5.5016</b>	<b>36.8784</b>	<b>43.7884</b>	<b>0.1945</b>	<b>11.4196</b>	<b>0.1229</b>	<b>11.5426</b>	<b>3.0984</b>	<b>0.1153</b>	<b>3.2137</b>		<b>19,925.54 96</b>	<b>19,925.54 96</b>	<b>0.9160</b>		<b>19,948.45 08</b>

**3.6 Architectural Coating - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	54.1737					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
<b>Total</b>	<b>54.3926</b>	<b>1.5268</b>	<b>1.8176</b>	<b>2.9700e-003</b>		<b>0.0941</b>	<b>0.0941</b>		<b>0.0941</b>	<b>0.0941</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0193</b>		<b>281.9309</b>

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

**3.6 Architectural Coating - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.9197	0.5685	7.4931	0.0199	2.0232	0.0129	2.0361	0.5366	0.0119	0.5485		1,980.2857	1,980.2857	0.0564		1,981.6948
<b>Total</b>	<b>0.9197</b>	<b>0.5685</b>	<b>7.4931</b>	<b>0.0199</b>	<b>2.0232</b>	<b>0.0129</b>	<b>2.0361</b>	<b>0.5366</b>	<b>0.0119</b>	<b>0.5485</b>		<b>1,980.2857</b>	<b>1,980.2857</b>	<b>0.0564</b>		<b>1,981.6948</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	54.1737					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
<b>Total</b>	<b>54.3926</b>	<b>1.5268</b>	<b>1.8176</b>	<b>2.9700e-003</b>		<b>0.0941</b>	<b>0.0941</b>		<b>0.0941</b>	<b>0.0941</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0193</b>		<b>281.9309</b>

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

**3.6 Architectural Coating - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.9197	0.5685	7.4931	0.0199	1.8649	0.0129	1.8778	0.4977	0.0119	0.5096		1,980.2857	1,980.2857	0.0564		1,981.6948
<b>Total</b>	<b>0.9197</b>	<b>0.5685</b>	<b>7.4931</b>	<b>0.0199</b>	<b>1.8649</b>	<b>0.0129</b>	<b>1.8778</b>	<b>0.4977</b>	<b>0.0119</b>	<b>0.5096</b>		<b>1,980.2857</b>	<b>1,980.2857</b>	<b>0.0564</b>		<b>1,981.6948</b>

**3.7 Paving - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.5955					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.8510</b>	<b>12.9191</b>	<b>14.6532</b>	<b>0.0228</b>		<b>0.6777</b>	<b>0.6777</b>		<b>0.6235</b>	<b>0.6235</b>		<b>2,207.2109</b>	<b>2,207.2109</b>	<b>0.7139</b>		<b>2,225.0573</b>

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

**3.7 Paving - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0762	0.0471	0.6210	1.6500e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		164.1121	164.1121	4.6700e-003		164.2289
<b>Total</b>	<b>0.0762</b>	<b>0.0471</b>	<b>0.6210</b>	<b>1.6500e-003</b>	<b>0.1677</b>	<b>1.0700e-003</b>	<b>0.1687</b>	<b>0.0445</b>	<b>9.9000e-004</b>	<b>0.0455</b>		<b>164.1121</b>	<b>164.1121</b>	<b>4.6700e-003</b>		<b>164.2289</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.5955					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.8510</b>	<b>12.9191</b>	<b>14.6532</b>	<b>0.0228</b>		<b>0.6777</b>	<b>0.6777</b>		<b>0.6235</b>	<b>0.6235</b>	<b>0.0000</b>	<b>2,207.2109</b>	<b>2,207.2109</b>	<b>0.7139</b>		<b>2,225.0573</b>



9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

**3.7 Paving - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0762	0.0471	0.6210	1.6500e-003	0.1546	1.0700e-003	0.1556	0.0413	9.9000e-004	0.0422		164.1121	164.1121	4.6700e-003		164.2289
<b>Total</b>	<b>0.0762</b>	<b>0.0471</b>	<b>0.6210</b>	<b>1.6500e-003</b>	<b>0.1546</b>	<b>1.0700e-003</b>	<b>0.1556</b>	<b>0.0413</b>	<b>9.9000e-004</b>	<b>0.0422</b>		<b>164.1121</b>	<b>164.1121</b>	<b>4.6700e-003</b>		<b>164.2289</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.5254	40.0882	67.5730	0.2603	17.9451	0.5876	18.5327	4.8330	0.5595	5.3925		27,441.69 44	27,441.69 44	1.3884		27,476.40 46
Unmitigated	6.5254	40.0882	67.5730	0.2603	17.9451	0.5876	18.5327	4.8330	0.5595	5.3925		27,441.69 44	27,441.69 44	1.3884		27,476.40 46

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	1,805.25	1,805.25	1,805.25	8,279,621	8,279,621
<b>Total</b>	<b>1,805.25</b>	<b>1,805.25</b>	<b>1,805.25</b>	<b>8,279,621</b>	<b>8,279,621</b>

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	9.50	8.40	25.00	80.00	0.00	20.00	100	0	0

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
General Office Building	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Parking Lot	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Refrigerated Warehouse-No Rail	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Unrefrigerated Warehouse-No Rail	0.436542	0.037123	0.179649	0.119457	0.017229	0.035000	0.046000	0.123000	0.000000	0.000000	0.006000	0.000000	0.000000

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.5671	5.1554	4.3305	0.0309		0.3918	0.3918		0.3918	0.3918		6,186.4437	6,186.4437	0.1186	0.1134	6,223.2067
NaturalGas Unmitigated	0.5896	5.3602	4.5026	0.0322		0.4074	0.4074		0.4074	0.4074		6,432.2695	6,432.2695	0.1233	0.1179	6,470.4932

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	123.589	1.3300e-003	0.0121	0.0102	7.0000e-005		9.2000e-004	9.2000e-004		9.2000e-004	9.2000e-004		14.5399	14.5399	2.8000e-004	2.7000e-004	14.6263
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	50847.2	0.5484	4.9850	4.1874	0.0299		0.3789	0.3789		0.3789	0.3789		5,982.0212	5,982.0212	0.1147	0.1097	6,017.5694
Unrefrigerated Warehouse-No Rail	3703.52	0.0399	0.3631	0.3050	2.1800e-003		0.0276	0.0276		0.0276	0.0276		435.7083	435.7083	8.3500e-003	7.9900e-003	438.2975
<b>Total</b>		<b>0.5896</b>	<b>5.3602</b>	<b>4.5026</b>	<b>0.0322</b>		<b>0.4074</b>	<b>0.4074</b>		<b>0.4074</b>	<b>0.4074</b>		<b>6,432.2695</b>	<b>6,432.2695</b>	<b>0.1233</b>	<b>0.1179</b>	<b>6,470.4932</b>

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0.0865123	9.3000e-004	8.4800e-003	7.1200e-003	5.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004		10.1779	10.1779	2.0000e-004	1.9000e-004	10.2384
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	49.8894	0.5380	4.8911	4.1085	0.0294		0.3717	0.3717		0.3717	0.3717		5,869.3383	5,869.3383	0.1125	0.1076	5,904.2168
Unrefrigerated Warehouse-No Rail	2.60888	0.0281	0.2558	0.2149	1.5300e-003		0.0194	0.0194		0.0194	0.0194		306.9276	306.9276	5.8800e-003	5.6300e-003	308.7515
<b>Total</b>		<b>0.5671</b>	<b>5.1554</b>	<b>4.3305</b>	<b>0.0309</b>		<b>0.3918</b>	<b>0.3918</b>		<b>0.3918</b>	<b>0.3918</b>		<b>6,186.4437</b>	<b>6,186.4437</b>	<b>0.1186</b>	<b>0.1134</b>	<b>6,223.2067</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	23.5744	1.0000e-003	0.1085	1.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004		0.2317	0.2317	6.2000e-004		0.2471
Unmitigated	23.5744	1.0000e-003	0.1085	1.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004		0.2317	0.2317	6.2000e-004		0.2471

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.7013					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	20.8630					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0101	1.0000e-003	0.1085	1.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004		0.2317	0.2317	6.2000e-004		0.2471
<b>Total</b>	<b>23.5744</b>	<b>1.0000e-003</b>	<b>0.1085</b>	<b>1.0000e-005</b>		<b>3.9000e-004</b>	<b>3.9000e-004</b>		<b>3.9000e-004</b>	<b>3.9000e-004</b>		<b>0.2317</b>	<b>0.2317</b>	<b>6.2000e-004</b>		<b>0.2471</b>

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.7013					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	20.8630					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0101	1.0000e-003	0.1085	1.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004		0.2317	0.2317	6.2000e-004		0.2471
<b>Total</b>	<b>23.5744</b>	<b>1.0000e-003</b>	<b>0.1085</b>	<b>1.0000e-005</b>		<b>3.9000e-004</b>	<b>3.9000e-004</b>		<b>3.9000e-004</b>	<b>3.9000e-004</b>		<b>0.2317</b>	<b>0.2317</b>	<b>6.2000e-004</b>		<b>0.2471</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

- Institute Recycling and Composting Services

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	6	8.00	260	89	0.20	Electrical

**UnMitigated/Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Forklifts	0.7760	7.0748	7.0071	9.1700e-003		0.5022	0.5022		0.4620	0.4620		888.1850	888.1850	0.2873		895.3664
<b>Total</b>	<b>0.7760</b>	<b>7.0748</b>	<b>7.0071</b>	<b>9.1700e-003</b>		<b>0.5022</b>	<b>0.5022</b>		<b>0.4620</b>	<b>0.4620</b>		<b>888.1850</b>	<b>888.1850</b>	<b>0.2873</b>		<b>895.3664</b>

**10.0 Stationary Equipment**

**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**



9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Summer

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9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

**9th and Vineyard - 35% Refrigerated  
San Bernardino-South Coast County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	8.50	1000sqft	0.20	13,000.00	0
Refrigerated Warehouse-No Rail	358.56	1000sqft	8.23	358,563.00	0
Unrefrigerated Warehouse-No Rail	665.90	1000sqft	15.29	665,904.00	0
Parking Lot	20.00	Acre	20.00	871,200.00	0
City Park	5.59	Acre	5.59	243,585.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	32
<b>Climate Zone</b>	10			<b>Operational Year</b>	2021
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	546.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - Adjusted per the SCE 2018 Corporate Responsibility and Sustainability Report. The report provides intensity factor of CO2e, the CO2 intensity factor is calculated as  $513-25 \times 0.029-298 \times 0.00617=546.4363$  to avoid double counting.

Land Use - Office Space includes 4,500 sf on 2nd floor, warehouse = 1,024,467 sf, 35% unrefrig = 358,563 sf, unrefrig= 665,904 sf, landscape shown as CityPark, parking lot includes parkings spaces,docks,drive aisles, and other improvements

Construction Phase - schedule based on AQ Questionnaire 9/9/19, painting to begin during final 3 months of construction

Off-road Equipment -

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

Off-road Equipment -

Off-road Equipment - added 2 crushing/proc equipment and 2 generators based on concrete and asphalt crushing discussed in construction questionnaire 9/9/19

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT - El Sobrante Landfill is 27.9 miles from the project

Demolition - 4 buildings to be demolished based on Construction Questionnaire 9/9/19

Grading - site is anticipated to be balanced based on Air Quality Questionnaire 9/9/19

Architectural Coating - Rule 1113

Vehicle Trips - 1805 daily trips =  $1805/665.904 = 2.710600927461015401619452653836$ , worker trip modified based on TIA, delivery trips based on Forecasting Metropolitan Commercial and Freight Travel, ave truck trip length rounded up to 25 miles to be conservative

Vehicle Emission Factors - EMFAC2017 San Bernardino County (SC) 2021 with Safe Rule

Vehicle Emission Factors - EMFAC2017 San Bernardino County (SC) 2021 with Safe Rule

Vehicle Emission Factors - EMFAC2017 San Bernardino County (SC) 2021 with Safe Rule

Energy Use -

Construction Off-road Equipment Mitigation - Rule 403

Mobile Commute Mitigation -

Area Mitigation - Rule 1113

Energy Mitigation - CEC - 2019 standards will reduce nonresidential energy use by 30% over 2016 standard, due mainly to lighting upgrades

Water Mitigation - Consistent with current building code, use low flow fixtures and water-efficient mitigation

Waste Mitigation - AB 939 - divert at least 50% of solid waste from landfills

Operational Off-Road Equipment - assume 2 forklifts per building

Fleet Mix - updated based on TIA trip gen table

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	50.00	44.00
tblConstructionPhase	NumDays	30.00	7.00
tblConstructionPhase	NumDays	75.00	36.00
tblConstructionPhase	NumDays	740.00	172.00
tblConstructionPhase	NumDays	55.00	91.00
tblConstructionPhase	NumDays	55.00	88.00
tblFleetMix	HHD	0.06	0.12
tblFleetMix	LDA	0.55	0.44
tblFleetMix	LHD2	5.2670e-003	0.04
tblFleetMix	MH	1.0100e-003	0.00
tblFleetMix	MHD	0.02	0.05
tblFleetMix	OBUS	1.3480e-003	0.00
tblFleetMix	SBUS	8.1200e-004	0.00
tblFleetMix	UBUS	1.6070e-003	0.00
tblGrading	AcresOfGrading	90.00	187.50
tblLandUse	LandUseSquareFeet	8,500.00	13,000.00
tblLandUse	LandUseSquareFeet	358,560.00	358,563.00
tblLandUse	LandUseSquareFeet	665,900.00	665,904.00
tblLandUse	LandUseSquareFeet	243,500.40	243,585.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	Electrical
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	6.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	546.44

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblTripsAndVMT	HaulingTripLength	20.00	27.90
tblVehicleEF	HHD	1.24	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	3.46	5.64
tblVehicleEF	HHD	0.58	0.81
tblVehicleEF	HHD	1.92	4.3810e-003
tblVehicleEF	HHD	6,983.95	1,107.90
tblVehicleEF	HHD	1,493.95	1,530.36
tblVehicleEF	HHD	5.71	0.04
tblVehicleEF	HHD	28.07	6.15
tblVehicleEF	HHD	2.87	4.04
tblVehicleEF	HHD	20.20	1.89
tblVehicleEF	HHD	0.01	8.6990e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	8.3230e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8320e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	1.0000e-006
tblVehicleEF	HHD	9.3000e-005	6.0000e-006
tblVehicleEF	HHD	3.4490e-003	1.9400e-004
tblVehicleEF	HHD	0.89	0.43
tblVehicleEF	HHD	5.7000e-005	4.0000e-006

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	HHD	0.09	0.13
tblVehicleEF	HHD	2.4200e-004	9.6100e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	9.3000e-005	6.0000e-006
tblVehicleEF	HHD	3.4490e-003	1.9400e-004
tblVehicleEF	HHD	1.02	0.50
tblVehicleEF	HHD	5.7000e-005	4.0000e-006
tblVehicleEF	HHD	0.13	0.28
tblVehicleEF	HHD	2.4200e-004	9.6100e-004
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	1.17	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	2.52	5.49
tblVehicleEF	HHD	0.58	0.82
tblVehicleEF	HHD	1.80	4.1360e-003
tblVehicleEF	HHD	7,395.94	1,107.11
tblVehicleEF	HHD	1,493.95	1,530.36
tblVehicleEF	HHD	5.71	0.04
tblVehicleEF	HHD	28.97	6.00
tblVehicleEF	HHD	2.70	3.82
tblVehicleEF	HHD	20.19	1.89
tblVehicleEF	HHD	0.01	8.0470e-003
tblVehicleEF	HHD	0.06	0.06

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	7.6990e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8320e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.8400e-004	1.2000e-005
tblVehicleEF	HHD	3.9090e-003	2.2100e-004
tblVehicleEF	HHD	0.84	0.45
tblVehicleEF	HHD	1.2900e-004	8.0000e-006
tblVehicleEF	HHD	0.09	0.13
tblVehicleEF	HHD	2.4800e-004	9.8700e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.7000e-005	0.00
tblVehicleEF	HHD	1.8400e-004	1.2000e-005
tblVehicleEF	HHD	3.9090e-003	2.2100e-004
tblVehicleEF	HHD	0.97	0.52
tblVehicleEF	HHD	1.2900e-004	8.0000e-006
tblVehicleEF	HHD	0.13	0.28
tblVehicleEF	HHD	2.4800e-004	9.8700e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	1.34	0.03
tblVehicleEF	HHD	0.04	0.14

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	4.76	5.84
tblVehicleEF	HHD	0.58	0.81
tblVehicleEF	HHD	1.89	4.3470e-003
tblVehicleEF	HHD	6,415.00	1,109.00
tblVehicleEF	HHD	1,493.95	1,530.36
tblVehicleEF	HHD	5.71	0.04
tblVehicleEF	HHD	26.84	6.35
tblVehicleEF	HHD	2.83	3.98
tblVehicleEF	HHD	20.20	1.89
tblVehicleEF	HHD	0.02	9.6000e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	1.0000e-006
tblVehicleEF	HHD	0.02	9.1850e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8320e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	1.0000e-006
tblVehicleEF	HHD	9.4000e-005	7.0000e-006
tblVehicleEF	HHD	3.7830e-003	2.2700e-004
tblVehicleEF	HHD	0.96	0.41
tblVehicleEF	HHD	5.6000e-005	4.0000e-006
tblVehicleEF	HHD	0.09	0.13
tblVehicleEF	HHD	2.5900e-004	1.0070e-003
tblVehicleEF	HHD	0.06	1.0000e-006



## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	9.4000e-005	7.0000e-006
tblVehicleEF	HHD	3.7830e-003	2.2700e-004
tblVehicleEF	HHD	1.10	0.48
tblVehicleEF	HHD	5.6000e-005	4.0000e-006
tblVehicleEF	HHD	0.13	0.28
tblVehicleEF	HHD	2.5900e-004	1.0070e-003
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	LDA	4.6640e-003	2.8720e-003
tblVehicleEF	LDA	6.4640e-003	0.05
tblVehicleEF	LDA	0.62	0.73
tblVehicleEF	LDA	1.32	2.18
tblVehicleEF	LDA	261.85	271.31
tblVehicleEF	LDA	59.28	55.38
tblVehicleEF	LDA	0.06	0.04
tblVehicleEF	LDA	0.09	0.19
tblVehicleEF	LDA	1.7130e-003	1.5970e-003
tblVehicleEF	LDA	2.3020e-003	1.9420e-003
tblVehicleEF	LDA	1.5790e-003	1.4700e-003
tblVehicleEF	LDA	2.1170e-003	1.7850e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	LDA	0.09	0.24
tblVehicleEF	LDA	2.6230e-003	2.6840e-003
tblVehicleEF	LDA	6.1500e-004	5.4800e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.10	0.26
tblVehicleEF	LDA	5.3170e-003	3.2410e-003
tblVehicleEF	LDA	5.3900e-003	0.05
tblVehicleEF	LDA	0.76	0.88
tblVehicleEF	LDA	1.10	1.83
tblVehicleEF	LDA	286.52	293.82
tblVehicleEF	LDA	59.28	54.72
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.7130e-003	1.5970e-003
tblVehicleEF	LDA	2.3020e-003	1.9420e-003
tblVehicleEF	LDA	1.5790e-003	1.4700e-003
tblVehicleEF	LDA	2.1170e-003	1.7850e-003
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDA	0.13	0.12
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.07	0.21

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	LDA	2.8710e-003	2.9070e-003
tblVehicleEF	LDA	6.1100e-004	5.4100e-004
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDA	0.13	0.12
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.08	0.23
tblVehicleEF	LDA	4.5320e-003	2.8130e-003
tblVehicleEF	LDA	6.4200e-003	0.05
tblVehicleEF	LDA	0.58	0.70
tblVehicleEF	LDA	1.30	2.18
tblVehicleEF	LDA	256.02	267.12
tblVehicleEF	LDA	59.28	55.39
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.09	0.19
tblVehicleEF	LDA	1.7130e-003	1.5970e-003
tblVehicleEF	LDA	2.3020e-003	1.9420e-003
tblVehicleEF	LDA	1.5790e-003	1.4700e-003
tblVehicleEF	LDA	2.1170e-003	1.7850e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.09	0.24
tblVehicleEF	LDA	2.5640e-003	2.6430e-003

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	LDA	6.1500e-004	5.4800e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.09	0.27
tblVehicleEF	LDT1	0.02	8.7920e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.71	1.72
tblVehicleEF	LDT1	4.02	2.48
tblVehicleEF	LDT1	323.73	321.83
tblVehicleEF	LDT1	72.77	67.22
tblVehicleEF	LDT1	0.18	0.15
tblVehicleEF	LDT1	0.24	0.32
tblVehicleEF	LDT1	2.8630e-003	2.5670e-003
tblVehicleEF	LDT1	3.8930e-003	3.0690e-003
tblVehicleEF	LDT1	2.6370e-003	2.3630e-003
tblVehicleEF	LDT1	3.5800e-003	2.8220e-003
tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.93
tblVehicleEF	LDT1	0.29	0.47
tblVehicleEF	LDT1	3.2600e-003	3.1850e-003
tblVehicleEF	LDT1	7.9900e-004	6.6500e-004

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.15
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.21	0.93
tblVehicleEF	LDT1	0.31	0.52
tblVehicleEF	LDT1	0.02	9.8170e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	2.05	2.04
tblVehicleEF	LDT1	3.30	2.07
tblVehicleEF	LDT1	352.65	345.31
tblVehicleEF	LDT1	72.77	66.35
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.22	0.30
tblVehicleEF	LDT1	2.8630e-003	2.5670e-003
tblVehicleEF	LDT1	3.8930e-003	3.0690e-003
tblVehicleEF	LDT1	2.6370e-003	2.3630e-003
tblVehicleEF	LDT1	3.5800e-003	2.8220e-003
tblVehicleEF	LDT1	0.40	0.39
tblVehicleEF	LDT1	0.44	0.34
tblVehicleEF	LDT1	0.29	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.92
tblVehicleEF	LDT1	0.24	0.41
tblVehicleEF	LDT1	3.5540e-003	3.4170e-003
tblVehicleEF	LDT1	7.8600e-004	6.5700e-004
tblVehicleEF	LDT1	0.40	0.39

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	LDT1	0.44	0.34
tblVehicleEF	LDT1	0.29	0.28
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.21	0.92
tblVehicleEF	LDT1	0.26	0.44
tblVehicleEF	LDT1	0.01	8.6230e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.62	1.66
tblVehicleEF	LDT1	3.95	2.48
tblVehicleEF	LDT1	316.91	317.45
tblVehicleEF	LDT1	72.77	67.23
tblVehicleEF	LDT1	0.17	0.14
tblVehicleEF	LDT1	0.24	0.32
tblVehicleEF	LDT1	2.8630e-003	2.5670e-003
tblVehicleEF	LDT1	3.8930e-003	3.0690e-003
tblVehicleEF	LDT1	2.6370e-003	2.3630e-003
tblVehicleEF	LDT1	3.5800e-003	2.8220e-003
tblVehicleEF	LDT1	0.20	0.21
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.25	1.09
tblVehicleEF	LDT1	0.28	0.48
tblVehicleEF	LDT1	3.1900e-003	3.1410e-003
tblVehicleEF	LDT1	7.9800e-004	6.6500e-004
tblVehicleEF	LDT1	0.20	0.21
tblVehicleEF	LDT1	0.41	0.33

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	LDT1	0.12	0.14
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.25	1.09
tblVehicleEF	LDT1	0.31	0.52
tblVehicleEF	LDT2	6.9330e-003	4.9710e-003
tblVehicleEF	LDT2	9.2890e-003	0.08
tblVehicleEF	LDT2	0.85	1.09
tblVehicleEF	LDT2	1.85	2.81
tblVehicleEF	LDT2	363.70	346.08
tblVehicleEF	LDT2	81.97	72.43
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.16	0.33
tblVehicleEF	LDT2	1.7370e-003	1.6820e-003
tblVehicleEF	LDT2	2.4180e-003	2.0130e-003
tblVehicleEF	LDT2	1.5980e-003	1.5480e-003
tblVehicleEF	LDT2	2.2230e-003	1.8510e-003
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.13	0.36
tblVehicleEF	LDT2	3.6440e-003	3.4240e-003
tblVehicleEF	LDT2	8.5100e-004	7.1700e-004
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.06	0.09

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.14	0.40
tblVehicleEF	LDT2	7.8730e-003	5.5830e-003
tblVehicleEF	LDT2	7.7350e-003	0.07
tblVehicleEF	LDT2	1.04	1.31
tblVehicleEF	LDT2	1.53	2.36
tblVehicleEF	LDT2	397.09	369.05
tblVehicleEF	LDT2	81.97	71.54
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.15	0.31
tblVehicleEF	LDT2	1.7370e-003	1.6820e-003
tblVehicleEF	LDT2	2.4180e-003	2.0130e-003
tblVehicleEF	LDT2	1.5980e-003	1.5480e-003
tblVehicleEF	LDT2	2.2230e-003	1.8510e-003
tblVehicleEF	LDT2	0.14	0.19
tblVehicleEF	LDT2	0.16	0.17
tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.46
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	3.9810e-003	3.6510e-003
tblVehicleEF	LDT2	8.4600e-004	7.0800e-004
tblVehicleEF	LDT2	0.14	0.19
tblVehicleEF	LDT2	0.16	0.17
tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.03	0.03



## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	LDT2	0.07	0.46
tblVehicleEF	LDT2	0.11	0.34
tblVehicleEF	LDT2	6.7430e-003	4.8730e-003
tblVehicleEF	LDT2	9.2200e-003	0.08
tblVehicleEF	LDT2	0.81	1.05
tblVehicleEF	LDT2	1.82	2.82
tblVehicleEF	LDT2	355.82	341.80
tblVehicleEF	LDT2	81.97	72.45
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.16	0.33
tblVehicleEF	LDT2	1.7370e-003	1.6820e-003
tblVehicleEF	LDT2	2.4180e-003	2.0130e-003
tblVehicleEF	LDT2	1.5980e-003	1.5480e-003
tblVehicleEF	LDT2	2.2230e-003	1.8510e-003
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.55
tblVehicleEF	LDT2	0.12	0.37
tblVehicleEF	LDT2	3.5650e-003	3.3820e-003
tblVehicleEF	LDT2	8.5100e-004	7.1700e-004
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.55

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	LDT2	0.14	0.40
tblVehicleEF	LHD1	5.4860e-003	5.2260e-003
tblVehicleEF	LHD1	0.01	6.6980e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.16	0.82
tblVehicleEF	LHD1	2.77	1.07
tblVehicleEF	LHD1	9.23	9.31
tblVehicleEF	LHD1	614.92	661.60
tblVehicleEF	LHD1	30.92	11.44
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.26	1.38
tblVehicleEF	LHD1	1.02	0.33
tblVehicleEF	LHD1	9.6600e-004	8.7500e-004
tblVehicleEF	LHD1	0.01	9.8530e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7200e-004
tblVehicleEF	LHD1	9.2400e-004	8.3700e-004
tblVehicleEF	LHD1	2.5280e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.2600e-004	2.5000e-004
tblVehicleEF	LHD1	3.7970e-003	3.2010e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8480e-003	1.6460e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.58

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD1	0.29	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	6.0360e-003	6.4470e-003
tblVehicleEF	LHD1	3.6200e-004	1.1300e-004
tblVehicleEF	LHD1	3.7970e-003	3.2010e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8480e-003	1.6460e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD1	5.4860e-003	5.2390e-003
tblVehicleEF	LHD1	0.01	6.8390e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.18	0.83
tblVehicleEF	LHD1	2.58	1.02
tblVehicleEF	LHD1	9.23	9.31
tblVehicleEF	LHD1	614.92	661.62
tblVehicleEF	LHD1	30.92	11.34
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.12	1.29
tblVehicleEF	LHD1	0.97	0.32
tblVehicleEF	LHD1	9.6600e-004	8.7500e-004
tblVehicleEF	LHD1	0.01	9.8530e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7200e-004

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD1	9.2400e-004	8.3700e-004
tblVehicleEF	LHD1	2.5280e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.2600e-004	2.5000e-004
tblVehicleEF	LHD1	7.5090e-003	5.7800e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.2150e-003	3.1920e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	6.0370e-003	6.4470e-003
tblVehicleEF	LHD1	3.5800e-004	1.1200e-004
tblVehicleEF	LHD1	7.5090e-003	5.7800e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.2150e-003	3.1920e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.30	0.09
tblVehicleEF	LHD1	5.4860e-003	5.2270e-003
tblVehicleEF	LHD1	0.01	6.7060e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.16	0.82
tblVehicleEF	LHD1	2.72	1.06

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD1	9.23	9.31
tblVehicleEF	LHD1	614.92	661.60
tblVehicleEF	LHD1	30.92	11.43
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.22	1.36
tblVehicleEF	LHD1	1.00	0.33
tblVehicleEF	LHD1	9.6600e-004	8.7500e-004
tblVehicleEF	LHD1	0.01	9.8530e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7200e-004
tblVehicleEF	LHD1	9.2400e-004	8.3700e-004
tblVehicleEF	LHD1	2.5280e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.2600e-004	2.5000e-004
tblVehicleEF	LHD1	4.1760e-003	3.3430e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8200e-003	1.6790e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.38	0.63
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	6.0360e-003	6.4470e-003
tblVehicleEF	LHD1	3.6100e-004	1.1300e-004
tblVehicleEF	LHD1	4.1760e-003	3.3430e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD1	1.8200e-003	1.6790e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.38	0.63
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD2	3.8190e-003	3.8230e-003
tblVehicleEF	LHD2	5.2410e-003	4.4730e-003
tblVehicleEF	LHD2	9.1660e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.55	0.54
tblVehicleEF	LHD2	1.29	0.70
tblVehicleEF	LHD2	14.32	14.19
tblVehicleEF	LHD2	614.63	675.54
tblVehicleEF	LHD2	24.89	9.01
tblVehicleEF	LHD2	0.12	0.11
tblVehicleEF	LHD2	1.69	1.49
tblVehicleEF	LHD2	0.56	0.23
tblVehicleEF	LHD2	1.3030e-003	1.2910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.4500e-004
tblVehicleEF	LHD2	1.2470e-003	1.2360e-003
tblVehicleEF	LHD2	2.6810e-003	2.6480e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.3300e-004
tblVehicleEF	LHD2	1.4000e-003	1.7970e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD2	7.3800e-004	9.5100e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	1.4000e-004	1.3600e-004
tblVehicleEF	LHD2	5.9810e-003	6.5320e-003
tblVehicleEF	LHD2	2.7300e-004	8.9000e-005
tblVehicleEF	LHD2	1.4000e-003	1.7970e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.3800e-004	9.5100e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.14	0.06
tblVehicleEF	LHD2	3.8190e-003	3.8330e-003
tblVehicleEF	LHD2	5.3190e-003	4.5210e-003
tblVehicleEF	LHD2	8.7380e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.56	0.55
tblVehicleEF	LHD2	1.21	0.67
tblVehicleEF	LHD2	14.32	14.19
tblVehicleEF	LHD2	614.63	675.55
tblVehicleEF	LHD2	24.89	8.94
tblVehicleEF	LHD2	0.12	0.11
tblVehicleEF	LHD2	1.59	1.41
tblVehicleEF	LHD2	0.54	0.22
tblVehicleEF	LHD2	1.3030e-003	1.2910e-003

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.4500e-004
tblVehicleEF	LHD2	1.2470e-003	1.2360e-003
tblVehicleEF	LHD2	2.6810e-003	2.6480e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.3300e-004
tblVehicleEF	LHD2	2.7070e-003	3.2440e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.6130e-003	1.8360e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	1.4000e-004	1.3600e-004
tblVehicleEF	LHD2	5.9810e-003	6.5320e-003
tblVehicleEF	LHD2	2.7100e-004	8.8000e-005
tblVehicleEF	LHD2	2.7070e-003	3.2440e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.6130e-003	1.8360e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	LHD2	3.8190e-003	3.8240e-003
tblVehicleEF	LHD2	5.2490e-003	4.4770e-003
tblVehicleEF	LHD2	9.0820e-003	0.01



## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.55	0.54
tblVehicleEF	LHD2	1.27	0.70
tblVehicleEF	LHD2	14.32	14.19
tblVehicleEF	LHD2	614.63	675.54
tblVehicleEF	LHD2	24.89	9.00
tblVehicleEF	LHD2	0.12	0.11
tblVehicleEF	LHD2	1.67	1.47
tblVehicleEF	LHD2	0.55	0.23
tblVehicleEF	LHD2	1.3030e-003	1.2910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.4500e-004
tblVehicleEF	LHD2	1.2470e-003	1.2360e-003
tblVehicleEF	LHD2	2.6810e-003	2.6480e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.3300e-004
tblVehicleEF	LHD2	1.4600e-003	1.8290e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5600e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.36
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	1.4000e-004	1.3600e-004
tblVehicleEF	LHD2	5.9810e-003	6.5320e-003
tblVehicleEF	LHD2	2.7200e-004	8.9000e-005

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD2	1.4600e-003	1.8290e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5600e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.36
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	21.02	19.60
tblVehicleEF	MCY	9.91	8.58
tblVehicleEF	MCY	167.12	212.10
tblVehicleEF	MCY	46.87	61.05
tblVehicleEF	MCY	1.17	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8190e-003	1.9180e-003
tblVehicleEF	MCY	3.7460e-003	3.0150e-003
tblVehicleEF	MCY	1.7050e-003	1.7950e-003
tblVehicleEF	MCY	3.5370e-003	2.8420e-003
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.85	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.26	2.35
tblVehicleEF	MCY	0.50	1.97
tblVehicleEF	MCY	2.17	1.85
tblVehicleEF	MCY	2.0790e-003	2.0990e-003
tblVehicleEF	MCY	6.9500e-004	6.0400e-004

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.85	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.76	2.88
tblVehicleEF	MCY	0.50	1.97
tblVehicleEF	MCY	2.37	2.02
tblVehicleEF	MCY	0.41	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	21.14	19.61
tblVehicleEF	MCY	9.06	7.90
tblVehicleEF	MCY	167.12	211.94
tblVehicleEF	MCY	46.87	59.22
tblVehicleEF	MCY	0.99	0.98
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.8190e-003	1.9180e-003
tblVehicleEF	MCY	3.7460e-003	3.0150e-003
tblVehicleEF	MCY	1.7050e-003	1.7950e-003
tblVehicleEF	MCY	3.5370e-003	2.8420e-003
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.28	1.12
tblVehicleEF	MCY	2.14	1.77
tblVehicleEF	MCY	2.19	2.30
tblVehicleEF	MCY	0.50	1.94
tblVehicleEF	MCY	1.87	1.62
tblVehicleEF	MCY	2.0790e-003	2.0970e-003
tblVehicleEF	MCY	6.7100e-004	5.8600e-004
tblVehicleEF	MCY	3.14	2.77

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	MCY	1.28	1.12
tblVehicleEF	MCY	2.14	1.77
tblVehicleEF	MCY	2.69	2.83
tblVehicleEF	MCY	0.50	1.94
tblVehicleEF	MCY	2.03	1.77
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	20.06	19.08
tblVehicleEF	MCY	9.53	8.41
tblVehicleEF	MCY	167.12	211.21
tblVehicleEF	MCY	46.87	60.69
tblVehicleEF	MCY	1.13	1.10
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8190e-003	1.9180e-003
tblVehicleEF	MCY	3.7460e-003	3.0150e-003
tblVehicleEF	MCY	1.7050e-003	1.7950e-003
tblVehicleEF	MCY	3.5370e-003	2.8420e-003
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.14	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.22	2.33
tblVehicleEF	MCY	0.57	2.24
tblVehicleEF	MCY	2.10	1.82
tblVehicleEF	MCY	2.0630e-003	2.0900e-003
tblVehicleEF	MCY	6.8600e-004	6.0100e-004
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.14	1.06

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.71	2.86
tblVehicleEF	MCY	0.57	2.24
tblVehicleEF	MCY	2.28	1.98
tblVehicleEF	MDV	0.01	6.4810e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.55	1.30
tblVehicleEF	MDV	3.59	3.43
tblVehicleEF	MDV	498.66	426.46
tblVehicleEF	MDV	110.76	89.79
tblVehicleEF	MDV	0.20	0.13
tblVehicleEF	MDV	0.36	0.42
tblVehicleEF	MDV	1.8680e-003	1.7780e-003
tblVehicleEF	MDV	2.5890e-003	2.1460e-003
tblVehicleEF	MDV	1.7240e-003	1.6400e-003
tblVehicleEF	MDV	2.3820e-003	1.9750e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.51
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	5.0000e-003	4.2170e-003
tblVehicleEF	MDV	1.1710e-003	8.8900e-004
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.21	0.18
tblVehicleEF	MDV	0.09	0.11

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.51
tblVehicleEF	MDV	0.31	0.53
tblVehicleEF	MDV	0.02	7.2390e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.87	1.54
tblVehicleEF	MDV	2.99	2.88
tblVehicleEF	MDV	542.90	450.72
tblVehicleEF	MDV	110.76	88.68
tblVehicleEF	MDV	0.18	0.11
tblVehicleEF	MDV	0.33	0.39
tblVehicleEF	MDV	1.8680e-003	1.7780e-003
tblVehicleEF	MDV	2.5890e-003	2.1460e-003
tblVehicleEF	MDV	1.7240e-003	1.6400e-003
tblVehicleEF	MDV	2.3820e-003	1.9750e-003
tblVehicleEF	MDV	0.21	0.22
tblVehicleEF	MDV	0.24	0.20
tblVehicleEF	MDV	0.18	0.19
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.24	0.41
tblVehicleEF	MDV	5.4470e-003	4.4570e-003
tblVehicleEF	MDV	1.1600e-003	8.7800e-004
tblVehicleEF	MDV	0.21	0.22
tblVehicleEF	MDV	0.24	0.20
tblVehicleEF	MDV	0.18	0.19
tblVehicleEF	MDV	0.06	0.05

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.26	0.45
tblVehicleEF	MDV	0.01	6.3480e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.47	1.25
tblVehicleEF	MDV	3.53	3.44
tblVehicleEF	MDV	488.33	421.93
tblVehicleEF	MDV	110.76	89.81
tblVehicleEF	MDV	0.19	0.12
tblVehicleEF	MDV	0.35	0.41
tblVehicleEF	MDV	1.8680e-003	1.7780e-003
tblVehicleEF	MDV	2.5890e-003	2.1460e-003
tblVehicleEF	MDV	1.7240e-003	1.6400e-003
tblVehicleEF	MDV	2.3820e-003	1.9750e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.59
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	4.8960e-003	4.1720e-003
tblVehicleEF	MDV	1.1700e-003	8.8900e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.13	0.59

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	MDV	0.31	0.53
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.60	1.54
tblVehicleEF	MH	6.96	2.24
tblVehicleEF	MH	1,048.28	1,507.66
tblVehicleEF	MH	59.91	19.53
tblVehicleEF	MH	1.64	1.53
tblVehicleEF	MH	0.95	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.7100e-004
tblVehicleEF	MH	3.2210e-003	3.2700e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	2.4900e-004
tblVehicleEF	MH	1.56	1.22
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.54	0.44
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.62
tblVehicleEF	MH	0.40	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.2000e-004	1.9300e-004
tblVehicleEF	MH	1.56	1.22
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.54	0.44
tblVehicleEF	MH	0.17	0.10



## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	MH	0.03	1.62
tblVehicleEF	MH	0.44	0.11
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.74	1.58
tblVehicleEF	MH	6.31	2.08
tblVehicleEF	MH	1,048.28	1,507.73
tblVehicleEF	MH	59.91	19.26
tblVehicleEF	MH	1.50	1.42
tblVehicleEF	MH	0.90	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.7100e-004
tblVehicleEF	MH	3.2210e-003	3.2700e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	2.4900e-004
tblVehicleEF	MH	3.12	2.17
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.30	0.88
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.61
tblVehicleEF	MH	0.37	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0900e-004	1.9100e-004
tblVehicleEF	MH	3.12	2.17
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.30	0.88

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.61
tblVehicleEF	MH	0.41	0.11
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.61	1.54
tblVehicleEF	MH	6.87	2.24
tblVehicleEF	MH	1,048.28	1,507.66
tblVehicleEF	MH	59.91	19.53
tblVehicleEF	MH	1.61	1.50
tblVehicleEF	MH	0.94	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.7100e-004
tblVehicleEF	MH	3.2210e-003	3.2700e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	2.4900e-004
tblVehicleEF	MH	1.88	1.37
tblVehicleEF	MH	0.12	0.09
tblVehicleEF	MH	0.56	0.47
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.71
tblVehicleEF	MH	0.40	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.1900e-004	1.9300e-004
tblVehicleEF	MH	1.88	1.37
tblVehicleEF	MH	0.12	0.09

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	MH	0.56	0.47
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.71
tblVehicleEF	MH	0.43	0.11
tblVehicleEF	MHD	0.02	2.5780e-003
tblVehicleEF	MHD	4.1450e-003	5.9780e-003
tblVehicleEF	MHD	0.06	6.7400e-003
tblVehicleEF	MHD	0.33	0.31
tblVehicleEF	MHD	0.31	0.52
tblVehicleEF	MHD	6.00	0.79
tblVehicleEF	MHD	155.10	71.13
tblVehicleEF	MHD	1,105.72	1,006.19
tblVehicleEF	MHD	53.92	6.51
tblVehicleEF	MHD	0.63	0.62
tblVehicleEF	MHD	1.08	2.32
tblVehicleEF	MHD	11.74	1.28
tblVehicleEF	MHD	4.3700e-004	2.0960e-003
tblVehicleEF	MHD	5.5780e-003	0.07
tblVehicleEF	MHD	8.2200e-004	8.0000e-005
tblVehicleEF	MHD	4.1800e-004	2.0050e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	7.3000e-005
tblVehicleEF	MHD	1.4330e-003	5.0000e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	7.1400e-004	2.5900e-004
tblVehicleEF	MHD	0.04	0.11

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.36	0.04
tblVehicleEF	MHD	1.4910e-003	6.7400e-004
tblVehicleEF	MHD	0.01	9.5620e-003
tblVehicleEF	MHD	6.4400e-004	6.4000e-005
tblVehicleEF	MHD	1.4330e-003	5.0000e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.1400e-004	2.5900e-004
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.40	0.04
tblVehicleEF	MHD	0.02	2.4500e-003
tblVehicleEF	MHD	4.2290e-003	6.0070e-003
tblVehicleEF	MHD	0.05	6.4700e-003
tblVehicleEF	MHD	0.24	0.26
tblVehicleEF	MHD	0.32	0.52
tblVehicleEF	MHD	5.61	0.75
tblVehicleEF	MHD	164.29	72.33
tblVehicleEF	MHD	1,105.72	1,006.20
tblVehicleEF	MHD	53.92	6.44
tblVehicleEF	MHD	0.65	0.63
tblVehicleEF	MHD	1.01	2.18
tblVehicleEF	MHD	11.70	1.28
tblVehicleEF	MHD	3.6900e-004	1.7700e-003
tblVehicleEF	MHD	5.5780e-003	0.07
tblVehicleEF	MHD	8.2200e-004	8.0000e-005

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	MHD	3.5300e-004	1.6930e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	7.3000e-005
tblVehicleEF	MHD	2.8480e-003	9.1700e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.6690e-003	5.2200e-004
tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.35	0.03
tblVehicleEF	MHD	1.5770e-003	6.8500e-004
tblVehicleEF	MHD	0.01	9.5630e-003
tblVehicleEF	MHD	6.3800e-004	6.4000e-005
tblVehicleEF	MHD	2.8480e-003	9.1700e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.6690e-003	5.2200e-004
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.38	0.04
tblVehicleEF	MHD	0.02	2.7650e-003
tblVehicleEF	MHD	4.1530e-003	5.9780e-003
tblVehicleEF	MHD	0.06	6.6910e-003
tblVehicleEF	MHD	0.46	0.38
tblVehicleEF	MHD	0.31	0.52
tblVehicleEF	MHD	5.90	0.78
tblVehicleEF	MHD	142.41	69.48

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	MHD	1,105.72	1,006.19
tblVehicleEF	MHD	53.92	6.50
tblVehicleEF	MHD	0.60	0.61
tblVehicleEF	MHD	1.06	2.28
tblVehicleEF	MHD	11.73	1.28
tblVehicleEF	MHD	5.3200e-004	2.5470e-003
tblVehicleEF	MHD	5.5780e-003	0.07
tblVehicleEF	MHD	8.2200e-004	8.0000e-005
tblVehicleEF	MHD	5.0900e-004	2.4370e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	7.3000e-005
tblVehicleEF	MHD	1.5800e-003	5.2700e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.0500e-004	2.6500e-004
tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.36	0.04
tblVehicleEF	MHD	1.3710e-003	6.5800e-004
tblVehicleEF	MHD	0.01	9.5620e-003
tblVehicleEF	MHD	6.4300e-004	6.4000e-005
tblVehicleEF	MHD	1.5800e-003	5.2700e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	7.0500e-004	2.6500e-004
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.10

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	MHD	0.39	0.04
tblVehicleEF	OBUS	0.01	9.0870e-003
tblVehicleEF	OBUS	0.01	8.8680e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.53
tblVehicleEF	OBUS	0.73	0.98
tblVehicleEF	OBUS	6.67	2.51
tblVehicleEF	OBUS	70.21	78.17
tblVehicleEF	OBUS	1,126.32	1,439.48
tblVehicleEF	OBUS	71.08	20.77
tblVehicleEF	OBUS	0.32	0.46
tblVehicleEF	OBUS	1.10	1.64
tblVehicleEF	OBUS	1.97	0.63
tblVehicleEF	OBUS	1.1300e-004	1.7960e-003
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.1800e-004
tblVehicleEF	OBUS	1.0800e-004	1.7180e-003
tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	2.0000e-004
tblVehicleEF	OBUS	2.2350e-003	2.6450e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	9.4600e-004	1.1230e-003
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.41	0.12
tblVehicleEF	OBUS	6.8200e-004	7.4500e-004

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2800e-004	2.0500e-004
tblVehicleEF	OBUS	2.2350e-003	2.6450e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.4600e-004	1.1230e-003
tblVehicleEF	OBUS	0.06	0.11
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.45	0.13
tblVehicleEF	OBUS	0.01	9.1120e-003
tblVehicleEF	OBUS	0.01	9.0270e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.50
tblVehicleEF	OBUS	0.75	0.99
tblVehicleEF	OBUS	6.11	2.33
tblVehicleEF	OBUS	73.34	78.62
tblVehicleEF	OBUS	1,126.32	1,439.51
tblVehicleEF	OBUS	71.08	20.47
tblVehicleEF	OBUS	0.33	0.46
tblVehicleEF	OBUS	1.02	1.53
tblVehicleEF	OBUS	1.92	0.62
tblVehicleEF	OBUS	9.5000e-005	1.5180e-003
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.1800e-004
tblVehicleEF	OBUS	9.1000e-005	1.4520e-003
tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	2.0000e-004



## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	OBUS	4.3510e-003	4.7740e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	2.1830e-003	2.2390e-003
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.39	0.12
tblVehicleEF	OBUS	7.1200e-004	7.4900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1800e-004	2.0300e-004
tblVehicleEF	OBUS	4.3510e-003	4.7740e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.1830e-003	2.2390e-003
tblVehicleEF	OBUS	0.07	0.11
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	OBUS	0.01	9.0830e-003
tblVehicleEF	OBUS	0.01	8.8720e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.56
tblVehicleEF	OBUS	0.73	0.98
tblVehicleEF	OBUS	6.62	2.51
tblVehicleEF	OBUS	65.88	77.54
tblVehicleEF	OBUS	1,126.32	1,439.48
tblVehicleEF	OBUS	71.08	20.78
tblVehicleEF	OBUS	0.31	0.46

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	OBUS	1.08	1.61
tblVehicleEF	OBUS	1.96	0.62
tblVehicleEF	OBUS	1.3700e-004	2.1800e-003
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.1800e-004
tblVehicleEF	OBUS	1.3100e-004	2.0860e-003
tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	2.0000e-004
tblVehicleEF	OBUS	2.3980e-003	2.8110e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	9.5900e-004	1.1780e-003
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.30
tblVehicleEF	OBUS	0.41	0.12
tblVehicleEF	OBUS	6.4100e-004	7.3900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2700e-004	2.0600e-004
tblVehicleEF	OBUS	2.3980e-003	2.8110e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.5900e-004	1.1780e-003
tblVehicleEF	OBUS	0.06	0.11
tblVehicleEF	OBUS	0.05	0.30
tblVehicleEF	OBUS	0.45	0.13
tblVehicleEF	SBUS	0.86	0.06
tblVehicleEF	SBUS	0.01	9.3510e-003

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	SBUS	0.07	6.0110e-003
tblVehicleEF	SBUS	5.64	2.44
tblVehicleEF	SBUS	0.71	0.85
tblVehicleEF	SBUS	5.49	0.82
tblVehicleEF	SBUS	1,270.71	346.38
tblVehicleEF	SBUS	1,144.20	1,125.90
tblVehicleEF	SBUS	36.06	4.74
tblVehicleEF	SBUS	12.46	3.40
tblVehicleEF	SBUS	5.17	5.50
tblVehicleEF	SBUS	15.23	0.84
tblVehicleEF	SBUS	0.01	4.8620e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	4.1000e-005
tblVehicleEF	SBUS	0.01	4.6520e-003
tblVehicleEF	SBUS	2.7630e-003	2.7030e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	3.8000e-005
tblVehicleEF	SBUS	3.0740e-003	1.3250e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.3130e-003	6.0000e-004
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.28	0.03
tblVehicleEF	SBUS	0.01	3.3010e-003
tblVehicleEF	SBUS	0.01	0.01

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	SBUS	4.5600e-004	4.7000e-005
tblVehicleEF	SBUS	3.0740e-003	1.3250e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.97	0.39
tblVehicleEF	SBUS	1.3130e-003	6.0000e-004
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.31	0.04
tblVehicleEF	SBUS	0.86	0.06
tblVehicleEF	SBUS	0.01	9.4940e-003
tblVehicleEF	SBUS	0.06	5.0320e-003
tblVehicleEF	SBUS	5.48	2.40
tblVehicleEF	SBUS	0.72	0.87
tblVehicleEF	SBUS	3.76	0.59
tblVehicleEF	SBUS	1,335.64	354.98
tblVehicleEF	SBUS	1,144.20	1,125.93
tblVehicleEF	SBUS	36.06	4.36
tblVehicleEF	SBUS	12.86	3.47
tblVehicleEF	SBUS	4.84	5.16
tblVehicleEF	SBUS	15.20	0.83
tblVehicleEF	SBUS	0.01	4.1060e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	4.1000e-005
tblVehicleEF	SBUS	0.01	3.9280e-003
tblVehicleEF	SBUS	2.7630e-003	2.7030e-003
tblVehicleEF	SBUS	0.03	0.03

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	SBUS	4.6500e-004	3.8000e-005
tblVehicleEF	SBUS	5.9210e-003	2.3540e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.67	0.28
tblVehicleEF	SBUS	2.9370e-003	1.1400e-003
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	9.6420e-003	0.07
tblVehicleEF	SBUS	0.23	0.03
tblVehicleEF	SBUS	0.01	3.3820e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.2700e-004	4.3000e-005
tblVehicleEF	SBUS	5.9210e-003	2.3540e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.96	0.39
tblVehicleEF	SBUS	2.9370e-003	1.1400e-003
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	9.6420e-003	0.07
tblVehicleEF	SBUS	0.25	0.03
tblVehicleEF	SBUS	0.86	0.06
tblVehicleEF	SBUS	0.01	9.3430e-003
tblVehicleEF	SBUS	0.07	6.1930e-003
tblVehicleEF	SBUS	5.85	2.50
tblVehicleEF	SBUS	0.71	0.85
tblVehicleEF	SBUS	5.54	0.86
tblVehicleEF	SBUS	1,181.05	334.50
tblVehicleEF	SBUS	1,144.20	1,125.90
tblVehicleEF	SBUS	36.06	4.80

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	SBUS	11.91	3.29
tblVehicleEF	SBUS	5.09	5.42
tblVehicleEF	SBUS	15.23	0.84
tblVehicleEF	SBUS	0.02	5.9060e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	4.1000e-005
tblVehicleEF	SBUS	0.02	5.6510e-003
tblVehicleEF	SBUS	2.7630e-003	2.7030e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	3.8000e-005
tblVehicleEF	SBUS	3.2090e-003	1.3400e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.2980e-003	6.1900e-004
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.01	0.09
tblVehicleEF	SBUS	0.29	0.04
tblVehicleEF	SBUS	0.01	3.1880e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.5600e-004	4.8000e-005
tblVehicleEF	SBUS	3.2090e-003	1.3400e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.97	0.40
tblVehicleEF	SBUS	1.2980e-003	6.1900e-004
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.01	0.09

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	SBUS	0.32	0.04
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	9.79	34.75
tblVehicleEF	UBUS	14.93	0.93
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	11.84
tblVehicleEF	UBUS	6.43	0.38
tblVehicleEF	UBUS	13.77	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6530e-003
tblVehicleEF	UBUS	1.3790e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.07	2.5270e-003
tblVehicleEF	UBUS	1.2680e-003	1.3000e-004
tblVehicleEF	UBUS	8.4220e-003	1.0750e-003
tblVehicleEF	UBUS	0.12	7.9950e-003
tblVehicleEF	UBUS	4.0730e-003	6.3000e-004
tblVehicleEF	UBUS	0.66	0.07
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.19	0.04
tblVehicleEF	UBUS	0.01	3.0270e-003
tblVehicleEF	UBUS	1.6230e-003	1.1700e-004
tblVehicleEF	UBUS	8.4220e-003	1.0750e-003
tblVehicleEF	UBUS	0.12	7.9950e-003

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	UBUS	4.0730e-003	6.3000e-004
tblVehicleEF	UBUS	2.68	4.54
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.30	0.04
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.08	9.3650e-003
tblVehicleEF	UBUS	9.90	34.75
tblVehicleEF	UBUS	12.23	0.79
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	11.61
tblVehicleEF	UBUS	5.98	0.38
tblVehicleEF	UBUS	13.65	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6530e-003
tblVehicleEF	UBUS	1.3790e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.07	2.5270e-003
tblVehicleEF	UBUS	1.2680e-003	1.3000e-004
tblVehicleEF	UBUS	0.02	1.9730e-003
tblVehicleEF	UBUS	0.15	9.6930e-003
tblVehicleEF	UBUS	9.6640e-003	1.3010e-003
tblVehicleEF	UBUS	0.67	0.07
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.06	0.03
tblVehicleEF	UBUS	0.01	3.0270e-003



## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	UBUS	1.5760e-003	1.1500e-004
tblVehicleEF	UBUS	0.02	1.9730e-003
tblVehicleEF	UBUS	0.15	9.6930e-003
tblVehicleEF	UBUS	9.6640e-003	1.3010e-003
tblVehicleEF	UBUS	2.69	4.54
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.16	0.04
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	9.80	34.75
tblVehicleEF	UBUS	14.43	0.94
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	11.87
tblVehicleEF	UBUS	6.31	0.38
tblVehicleEF	UBUS	13.74	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6530e-003
tblVehicleEF	UBUS	1.3790e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.07	2.5270e-003
tblVehicleEF	UBUS	1.2680e-003	1.3000e-004
tblVehicleEF	UBUS	9.6690e-003	1.1090e-003
tblVehicleEF	UBUS	0.15	9.1160e-003
tblVehicleEF	UBUS	4.2700e-003	6.4000e-004
tblVehicleEF	UBUS	0.66	0.07

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.17	0.04
tblVehicleEF	UBUS	0.01	3.0270e-003
tblVehicleEF	UBUS	1.6140e-003	1.1700e-004
tblVehicleEF	UBUS	9.6690e-003	1.1090e-003
tblVehicleEF	UBUS	0.15	9.1160e-003
tblVehicleEF	UBUS	4.2700e-003	6.4000e-004
tblVehicleEF	UBUS	2.68	4.54
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.28	0.04
tblVehicleTrips	CNW_TL	6.90	25.00
tblVehicleTrips	CNW_TTP	41.00	20.00
tblVehicleTrips	CW_TL	16.60	9.50
tblVehicleTrips	CW_TTP	59.00	80.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	ST_TR	1.68	2.71
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.68	2.71
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	11.03	0.00

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

tblVehicleTrips	WD_TR	1.68	0.00
tblVehicleTrips	WD_TR	1.68	2.71

**2.0 Emissions Summary**

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9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	23.5744	1.0000e-003	0.1085	1.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004		0.2317	0.2317	6.2000e-004		0.2471
Energy	0.5896	5.3602	4.5026	0.0322		0.4074	0.4074		0.4074	0.4074		6,432.2695	6,432.2695	0.1233	0.1179	6,470.4932
Mobile	6.2614	41.9279	60.2380	0.2499	17.9451	0.5885	18.5336	4.8330	0.5604	5.3934		26,390.0988	26,390.0988	1.3945		26,424.9618
Offroad	0.7760	7.0748	7.0071	9.1700e-003		0.5022	0.5022		0.4620	0.4620		888.1850	888.1850	0.2873		895.3664
<b>Total</b>	<b>31.2014</b>	<b>54.3639</b>	<b>71.8562</b>	<b>0.2912</b>	<b>17.9451</b>	<b>1.4984</b>	<b>19.4435</b>	<b>4.8330</b>	<b>1.4301</b>	<b>6.2632</b>		<b>33,710.7849</b>	<b>33,710.7849</b>	<b>1.8057</b>	<b>0.1179</b>	<b>33,791.0685</b>

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	23.5744	1.0000e-003	0.1085	1.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004		0.2317	0.2317	6.2000e-004		0.2471
Energy	0.5671	5.1554	4.3305	0.0309		0.3918	0.3918		0.3918	0.3918		6,186.4437	6,186.4437	0.1186	0.1134	6,223.2067
Mobile	6.2614	41.9279	60.2380	0.2499	17.9451	0.5885	18.5336	4.8330	0.5604	5.3934		26,390.0988	26,390.0988	1.3945		26,424.9618
Offroad	0.7760	7.0748	7.0071	9.1700e-003		0.5022	0.5022		0.4620	0.4620		888.1850	888.1850	0.2873		895.3664
<b>Total</b>	<b>31.1788</b>	<b>54.1590</b>	<b>71.6841</b>	<b>0.2900</b>	<b>17.9451</b>	<b>1.4829</b>	<b>19.4280</b>	<b>4.8330</b>	<b>1.4146</b>	<b>6.2476</b>		<b>33,464.9592</b>	<b>33,464.9592</b>	<b>1.8010</b>	<b>0.1134</b>	<b>33,543.7819</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.07</b>	<b>0.38</b>	<b>0.24</b>	<b>0.42</b>	<b>0.00</b>	<b>1.04</b>	<b>0.08</b>	<b>0.00</b>	<b>1.09</b>	<b>0.25</b>	<b>0.00</b>	<b>0.73</b>	<b>0.73</b>	<b>0.26</b>	<b>3.82</b>	<b>0.73</b>

**3.0 Construction Detail**

**Construction Phase**

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2020	10/30/2020	5	44	
2	Site Preparation	Site Preparation	11/1/2020	11/10/2020	5	7	
3	Grading	Grading	11/11/2020	12/30/2020	5	36	
4	Building Construction	Building Construction	12/31/2020	8/27/2021	5	172	
5	Architectural Coating	Architectural Coating	5/23/2021	9/27/2021	5	91	
6	Paving	Paving	6/27/2021	10/27/2021	5	88	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 187.5**

**Acres of Paving: 20**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,556,201; Non-Residential Outdoor: 518,734; Striped Parking Area: 52,272 (Architectural Coating – sqft)**

**OffRoad Equipment**

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Crushing/Proc. Equipment	2	8.00	85	0.78
Demolition	Excavators	3	8.00	158	0.38
Demolition	Generator Sets	2	8.00	84	0.74
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT



9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	10	25.00	0.00	549.00	14.70	6.90	27.90	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	903.00	353.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	181.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

- Replace Ground Cover
- Water Exposed Area
- Water Unpaved Roads
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads

**3.2 Demolition - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7011	0.0000	2.7011	0.4090	0.0000	0.4090			0.0000			0.0000
Off-Road	5.2164	47.7565	37.8688	0.0660		2.5329	2.5329		2.4161	2.4161		6,322.834 3	6,322.834 3	1.2263		6,353.492 7
<b>Total</b>	<b>5.2164</b>	<b>47.7565</b>	<b>37.8688</b>	<b>0.0660</b>	<b>2.7011</b>	<b>2.5329</b>	<b>5.2340</b>	<b>0.4090</b>	<b>2.4161</b>	<b>2.8251</b>		<b>6,322.834 3</b>	<b>6,322.834 3</b>	<b>1.2263</b>		<b>6,353.492 7</b>

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

**3.2 Demolition - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1011	3.7795	0.6463	0.0126	0.3045	0.0127	0.3172	0.0835	0.0122	0.0957		1,339.5667	1,339.5667	0.0687		1,341.2842
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1365	0.0921	0.9241	2.5400e-003	0.2794	1.8300e-003	0.2813	0.0741	1.6900e-003	0.0758		253.4375	253.4375	7.5700e-003		253.6266
<b>Total</b>	<b>0.2376</b>	<b>3.8716</b>	<b>1.5704</b>	<b>0.0152</b>	<b>0.5840</b>	<b>0.0146</b>	<b>0.5985</b>	<b>0.1576</b>	<b>0.0139</b>	<b>0.1715</b>		<b>1,593.0042</b>	<b>1,593.0042</b>	<b>0.0763</b>		<b>1,594.9108</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1547	0.0000	1.1547	0.1748	0.0000	0.1748			0.0000			0.0000
Off-Road	5.2164	47.7565	37.8688	0.0660		2.5329	2.5329		2.4161	2.4161	0.0000	6,322.8343	6,322.8343	1.2263		6,353.4927
<b>Total</b>	<b>5.2164</b>	<b>47.7565</b>	<b>37.8688</b>	<b>0.0660</b>	<b>1.1547</b>	<b>2.5329</b>	<b>3.6876</b>	<b>0.1748</b>	<b>2.4161</b>	<b>2.5909</b>	<b>0.0000</b>	<b>6,322.8343</b>	<b>6,322.8343</b>	<b>1.2263</b>		<b>6,353.4927</b>

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

**3.2 Demolition - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1011	3.7795	0.6463	0.0126	0.2838	0.0127	0.2965	0.0784	0.0122	0.0906		1,339.5667	1,339.5667	0.0687		1,341.2842
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1365	0.0921	0.9241	2.5400e-003	0.2576	1.8300e-003	0.2594	0.0687	1.6900e-003	0.0704		253.4375	253.4375	7.5700e-003		253.6266
<b>Total</b>	<b>0.2376</b>	<b>3.8716</b>	<b>1.5704</b>	<b>0.0152</b>	<b>0.5414</b>	<b>0.0146</b>	<b>0.5559</b>	<b>0.1471</b>	<b>0.0139</b>	<b>0.1610</b>		<b>1,593.0042</b>	<b>1,593.0042</b>	<b>0.0763</b>		<b>1,594.9108</b>

**3.3 Site Preparation - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
<b>Total</b>	<b>4.0765</b>	<b>42.4173</b>	<b>21.5136</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.1974</b>	<b>20.2637</b>	<b>9.9307</b>	<b>2.0216</b>	<b>11.9523</b>		<b>3,685.1016</b>	<b>3,685.1016</b>	<b>1.1918</b>		<b>3,714.8975</b>

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

**3.3 Site Preparation - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0983	0.0663	0.6653	1.8300e-003	0.2012	1.3200e-003	0.2025	0.0534	1.2100e-003	0.0546		182.4750	182.4750	5.4500e-003		182.6112
<b>Total</b>	<b>0.0983</b>	<b>0.0663</b>	<b>0.6653</b>	<b>1.8300e-003</b>	<b>0.2012</b>	<b>1.3200e-003</b>	<b>0.2025</b>	<b>0.0534</b>	<b>1.2100e-003</b>	<b>0.0546</b>		<b>182.4750</b>	<b>182.4750</b>	<b>5.4500e-003</b>		<b>182.6112</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.7233	0.0000	7.7233	4.2454	0.0000	4.2454			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
<b>Total</b>	<b>4.0765</b>	<b>42.4173</b>	<b>21.5136</b>	<b>0.0380</b>	<b>7.7233</b>	<b>2.1974</b>	<b>9.9207</b>	<b>4.2454</b>	<b>2.0216</b>	<b>6.2670</b>	<b>0.0000</b>	<b>3,685.1016</b>	<b>3,685.1016</b>	<b>1.1918</b>		<b>3,714.8975</b>

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

**3.3 Site Preparation - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0983	0.0663	0.6653	1.8300e-003	0.1855	1.3200e-003	0.1868	0.0495	1.2100e-003	0.0507		182.4750	182.4750	5.4500e-003		182.6112
<b>Total</b>	<b>0.0983</b>	<b>0.0663</b>	<b>0.6653</b>	<b>1.8300e-003</b>	<b>0.1855</b>	<b>1.3200e-003</b>	<b>0.1868</b>	<b>0.0495</b>	<b>1.2100e-003</b>	<b>0.0507</b>		<b>182.4750</b>	<b>182.4750</b>	<b>5.4500e-003</b>		<b>182.6112</b>

**3.4 Grading - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					11.5455	0.0000	11.5455	3.9066	0.0000	3.9066			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
<b>Total</b>	<b>4.4501</b>	<b>50.1975</b>	<b>31.9583</b>	<b>0.0620</b>	<b>11.5455</b>	<b>2.1739</b>	<b>13.7194</b>	<b>3.9066</b>	<b>2.0000</b>	<b>5.9066</b>		<b>6,005.8653</b>	<b>6,005.8653</b>	<b>1.9424</b>		<b>6,054.4257</b>

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

**3.4 Grading - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1092	0.0737	0.7393	2.0400e-003	0.2236	1.4600e-003	0.2250	0.0593	1.3500e-003	0.0606		202.7500	202.7500	6.0500e-003		202.9013
<b>Total</b>	<b>0.1092</b>	<b>0.0737</b>	<b>0.7393</b>	<b>2.0400e-003</b>	<b>0.2236</b>	<b>1.4600e-003</b>	<b>0.2250</b>	<b>0.0593</b>	<b>1.3500e-003</b>	<b>0.0606</b>		<b>202.7500</b>	<b>202.7500</b>	<b>6.0500e-003</b>		<b>202.9013</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9357	0.0000	4.9357	1.6701	0.0000	1.6701			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
<b>Total</b>	<b>4.4501</b>	<b>50.1975</b>	<b>31.9583</b>	<b>0.0620</b>	<b>4.9357</b>	<b>2.1739</b>	<b>7.1096</b>	<b>1.6701</b>	<b>2.0000</b>	<b>3.6701</b>	<b>0.0000</b>	<b>6,005.8653</b>	<b>6,005.8653</b>	<b>1.9424</b>		<b>6,054.4257</b>

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

**3.4 Grading - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1092	0.0737	0.7393	2.0400e-003	0.2061	1.4600e-003	0.2075	0.0550	1.3500e-003	0.0563		202.7500	202.7500	6.0500e-003		202.9013
<b>Total</b>	<b>0.1092</b>	<b>0.0737</b>	<b>0.7393</b>	<b>2.0400e-003</b>	<b>0.2061</b>	<b>1.4600e-003</b>	<b>0.2075</b>	<b>0.0550</b>	<b>1.3500e-003</b>	<b>0.0563</b>		<b>202.7500</b>	<b>202.7500</b>	<b>6.0500e-003</b>		<b>202.9013</b>

**3.5 Building Construction - 2020**

**Unmitigated Construction On-Site**

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

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

**3.5 Building Construction - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1302	36.9495	8.4143	0.0921	2.2609	0.1736	2.4345	0.6510	0.1661	0.8171		9,707.5038	9,707.5038	0.7253		9,725.6359
Worker	4.9311	3.3282	33.3770	0.0919	10.0934	0.0661	10.1596	2.6768	0.0609	2.7377		9,154.1606	9,154.1606	0.2733		9,160.9925
<b>Total</b>	<b>6.0613</b>	<b>40.2778</b>	<b>41.7913</b>	<b>0.1840</b>	<b>12.3543</b>	<b>0.2397</b>	<b>12.5940</b>	<b>3.3278</b>	<b>0.2270</b>	<b>3.5548</b>		<b>18,861.6645</b>	<b>18,861.6645</b>	<b>0.9986</b>		<b>18,886.6283</b>

**Mitigated Construction On-Site**

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



9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

**3.5 Building Construction - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1302	36.9495	8.4143	0.0921	2.1160	0.1736	2.2896	0.6154	0.1661	0.7815		9,707.5038	9,707.5038	0.7253		9,725.6359
Worker	4.9311	3.3282	33.3770	0.0919	9.3037	0.0661	9.3698	2.4830	0.0609	2.5439		9,154.1606	9,154.1606	0.2733		9,160.9925
<b>Total</b>	<b>6.0613</b>	<b>40.2778</b>	<b>41.7913</b>	<b>0.1840</b>	<b>11.4197</b>	<b>0.2397</b>	<b>11.6594</b>	<b>3.0984</b>	<b>0.2270</b>	<b>3.3254</b>		<b>18,861.6645</b>	<b>18,861.6645</b>	<b>0.9986</b>		<b>18,886.6283</b>

**3.5 Building Construction - 2021**

**Unmitigated Construction On-Site**

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

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

**3.5 Building Construction - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.9690	33.6800	7.4929	0.0916	2.2609	0.0600	2.3209	0.6510	0.0574	0.7084		9,655.7901	9,655.7901	0.7037		9,673.3820
Worker	4.5983	2.9829	30.6621	0.0890	10.0934	0.0646	10.1580	2.6768	0.0595	2.7363		8,862.9240	8,862.9240	0.2467		8,869.0915
<b>Total</b>	<b>5.5672</b>	<b>36.6629</b>	<b>38.1550</b>	<b>0.1805</b>	<b>12.3543</b>	<b>0.1246</b>	<b>12.4788</b>	<b>3.3278</b>	<b>0.1168</b>	<b>3.4446</b>		<b>18,518.7141</b>	<b>18,518.7141</b>	<b>0.9504</b>		<b>18,542.4735</b>

**Mitigated Construction On-Site**

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

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

**3.5 Building Construction - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.9690	33.6800	7.4929	0.0916	2.1160	0.0600	2.1760	0.6154	0.0574	0.6728		9,655.7901	9,655.7901	0.7037		9,673.3820
Worker	4.5983	2.9829	30.6621	0.0890	9.3037	0.0646	9.3682	2.4830	0.0595	2.5424		8,862.9240	8,862.9240	0.2467		8,869.0915
<b>Total</b>	<b>5.5672</b>	<b>36.6629</b>	<b>38.1550</b>	<b>0.1805</b>	<b>11.4196</b>	<b>0.1246</b>	<b>11.5442</b>	<b>3.0984</b>	<b>0.1168</b>	<b>3.2152</b>		<b>18,518.7141</b>	<b>18,518.7141</b>	<b>0.9504</b>		<b>18,542.4735</b>

**3.6 Architectural Coating - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	54.1737					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
<b>Total</b>	<b>54.3926</b>	<b>1.5268</b>	<b>1.8176</b>	<b>2.9700e-003</b>		<b>0.0941</b>	<b>0.0941</b>		<b>0.0941</b>	<b>0.0941</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0193</b>		<b>281.9309</b>

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

**3.6 Architectural Coating - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.9217	0.5979	6.1460	0.0178	2.0232	0.0129	2.0361	0.5366	0.0119	0.5485		1,776.5108	1,776.5108	0.0495		1,777.7470
<b>Total</b>	<b>0.9217</b>	<b>0.5979</b>	<b>6.1460</b>	<b>0.0178</b>	<b>2.0232</b>	<b>0.0129</b>	<b>2.0361</b>	<b>0.5366</b>	<b>0.0119</b>	<b>0.5485</b>		<b>1,776.5108</b>	<b>1,776.5108</b>	<b>0.0495</b>		<b>1,777.7470</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	54.1737					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
<b>Total</b>	<b>54.3926</b>	<b>1.5268</b>	<b>1.8176</b>	<b>2.9700e-003</b>		<b>0.0941</b>	<b>0.0941</b>		<b>0.0941</b>	<b>0.0941</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0193</b>		<b>281.9309</b>

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

**3.6 Architectural Coating - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.9217	0.5979	6.1460	0.0178	1.8649	0.0129	1.8778	0.4977	0.0119	0.5096		1,776.5108	1,776.5108	0.0495		1,777.7470
<b>Total</b>	<b>0.9217</b>	<b>0.5979</b>	<b>6.1460</b>	<b>0.0178</b>	<b>1.8649</b>	<b>0.0129</b>	<b>1.8778</b>	<b>0.4977</b>	<b>0.0119</b>	<b>0.5096</b>		<b>1,776.5108</b>	<b>1,776.5108</b>	<b>0.0495</b>		<b>1,777.7470</b>

**3.7 Paving - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.5955					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.8510</b>	<b>12.9191</b>	<b>14.6532</b>	<b>0.0228</b>		<b>0.6777</b>	<b>0.6777</b>		<b>0.6235</b>	<b>0.6235</b>		<b>2,207.2109</b>	<b>2,207.2109</b>	<b>0.7139</b>		<b>2,225.0573</b>

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

**3.7 Paving - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0764	0.0496	0.5093	1.4800e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		147.2247	147.2247	4.1000e-003		147.3271
<b>Total</b>	<b>0.0764</b>	<b>0.0496</b>	<b>0.5093</b>	<b>1.4800e-003</b>	<b>0.1677</b>	<b>1.0700e-003</b>	<b>0.1687</b>	<b>0.0445</b>	<b>9.9000e-004</b>	<b>0.0455</b>		<b>147.2247</b>	<b>147.2247</b>	<b>4.1000e-003</b>		<b>147.3271</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.5955					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.8510</b>	<b>12.9191</b>	<b>14.6532</b>	<b>0.0228</b>		<b>0.6777</b>	<b>0.6777</b>		<b>0.6235</b>	<b>0.6235</b>	<b>0.0000</b>	<b>2,207.2109</b>	<b>2,207.2109</b>	<b>0.7139</b>		<b>2,225.0573</b>

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

**3.7 Paving - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0764	0.0496	0.5093	1.4800e-003	0.1546	1.0700e-003	0.1556	0.0413	9.9000e-004	0.0422		147.2247	147.2247	4.1000e-003		147.3271
<b>Total</b>	<b>0.0764</b>	<b>0.0496</b>	<b>0.5093</b>	<b>1.4800e-003</b>	<b>0.1546</b>	<b>1.0700e-003</b>	<b>0.1556</b>	<b>0.0413</b>	<b>9.9000e-004</b>	<b>0.0422</b>		<b>147.2247</b>	<b>147.2247</b>	<b>4.1000e-003</b>		<b>147.3271</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.2614	41.9279	60.2380	0.2499	17.9451	0.5885	18.5336	4.8330	0.5604	5.3934		26,390.0988	26,390.0988	1.3945		26,424.9618
Unmitigated	6.2614	41.9279	60.2380	0.2499	17.9451	0.5885	18.5336	4.8330	0.5604	5.3934		26,390.0988	26,390.0988	1.3945		26,424.9618

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	1,805.25	1,805.25	1,805.25	8,279,621	8,279,621
<b>Total</b>	<b>1,805.25</b>	<b>1,805.25</b>	<b>1,805.25</b>	<b>8,279,621</b>	<b>8,279,621</b>

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	9.50	8.40	25.00	80.00	0.00	20.00	100	0	0



9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
General Office Building	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Parking Lot	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Refrigerated Warehouse-No Rail	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Unrefrigerated Warehouse-No Rail	0.436542	0.037123	0.179649	0.119457	0.017229	0.035000	0.046000	0.123000	0.000000	0.000000	0.006000	0.000000	0.000000

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.5671	5.1554	4.3305	0.0309		0.3918	0.3918		0.3918	0.3918		6,186.4437	6,186.4437	0.1186	0.1134	6,223.2067
NaturalGas Unmitigated	0.5896	5.3602	4.5026	0.0322		0.4074	0.4074		0.4074	0.4074		6,432.2695	6,432.2695	0.1233	0.1179	6,470.4932

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	123.589	1.3300e-003	0.0121	0.0102	7.0000e-005		9.2000e-004	9.2000e-004		9.2000e-004	9.2000e-004		14.5399	14.5399	2.8000e-004	2.7000e-004	14.6263
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	50847.2	0.5484	4.9850	4.1874	0.0299		0.3789	0.3789		0.3789	0.3789		5,982.0212	5,982.0212	0.1147	0.1097	6,017.5694
Unrefrigerated Warehouse-No Rail	3703.52	0.0399	0.3631	0.3050	2.1800e-003		0.0276	0.0276		0.0276	0.0276		435.7083	435.7083	8.3500e-003	7.9900e-003	438.2975
<b>Total</b>		<b>0.5896</b>	<b>5.3602</b>	<b>4.5026</b>	<b>0.0322</b>		<b>0.4074</b>	<b>0.4074</b>		<b>0.4074</b>	<b>0.4074</b>		<b>6,432.2695</b>	<b>6,432.2695</b>	<b>0.1233</b>	<b>0.1179</b>	<b>6,470.4932</b>

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0.0865123	9.3000e-004	8.4800e-003	7.1200e-003	5.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004		10.1779	10.1779	2.0000e-004	1.9000e-004	10.2384
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	49.8894	0.5380	4.8911	4.1085	0.0294		0.3717	0.3717		0.3717	0.3717		5,869.3383	5,869.3383	0.1125	0.1076	5,904.2168
Unrefrigerated Warehouse-No Rail	2.60888	0.0281	0.2558	0.2149	1.5300e-003		0.0194	0.0194		0.0194	0.0194		306.9276	306.9276	5.8800e-003	5.6300e-003	308.7515
<b>Total</b>		<b>0.5671</b>	<b>5.1554</b>	<b>4.3305</b>	<b>0.0309</b>		<b>0.3918</b>	<b>0.3918</b>		<b>0.3918</b>	<b>0.3918</b>		<b>6,186.4437</b>	<b>6,186.4437</b>	<b>0.1186</b>	<b>0.1134</b>	<b>6,223.2067</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	23.5744	1.0000e-003	0.1085	1.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004		0.2317	0.2317	6.2000e-004		0.2471
Unmitigated	23.5744	1.0000e-003	0.1085	1.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004		0.2317	0.2317	6.2000e-004		0.2471

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.7013					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	20.8630					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0101	1.0000e-003	0.1085	1.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004		0.2317	0.2317	6.2000e-004		0.2471
<b>Total</b>	<b>23.5744</b>	<b>1.0000e-003</b>	<b>0.1085</b>	<b>1.0000e-005</b>		<b>3.9000e-004</b>	<b>3.9000e-004</b>		<b>3.9000e-004</b>	<b>3.9000e-004</b>		<b>0.2317</b>	<b>0.2317</b>	<b>6.2000e-004</b>		<b>0.2471</b>

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.7013					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	20.8630					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0101	1.0000e-003	0.1085	1.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004		0.2317	0.2317	6.2000e-004		0.2471
<b>Total</b>	<b>23.5744</b>	<b>1.0000e-003</b>	<b>0.1085</b>	<b>1.0000e-005</b>		<b>3.9000e-004</b>	<b>3.9000e-004</b>		<b>3.9000e-004</b>	<b>3.9000e-004</b>		<b>0.2317</b>	<b>0.2317</b>	<b>6.2000e-004</b>		<b>0.2471</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

- Institute Recycling and Composting Services

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	6	8.00	260	89	0.20	Electrical

**UnMitigated/Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Forklifts	0.7760	7.0748	7.0071	9.1700e-003		0.5022	0.5022		0.4620	0.4620		888.1850	888.1850	0.2873		895.3664
<b>Total</b>	<b>0.7760</b>	<b>7.0748</b>	<b>7.0071</b>	<b>9.1700e-003</b>		<b>0.5022</b>	<b>0.5022</b>		<b>0.4620</b>	<b>0.4620</b>		<b>888.1850</b>	<b>888.1850</b>	<b>0.2873</b>		<b>895.3664</b>

**10.0 Stationary Equipment**

**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Winter

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## Rock Crushing

### PM Emissions from Processing Equipment

EPA AP-42, Section 11.19.2

### Concrete and Asphalt to be processed

**Total Tons** 12,000

**Tons per day** 2,000

### Controlled PM Emission Factors

			<b>PM<sub>10</sub> Emissions (lbs/day)</b>	
	<b>PM<sub>10</sub></b>	<b>PM<sub>2.5</sub></b>	<b>PM<sub>10</sub></b>	<b>PM<sub>2.5</sub></b>
Screening:	0.00074	0.000050 lbs/ton	1.48	0.1
Tertiary Crushing:	0.00054	0.000100 lbs/ton	1.08	0.2
Fines Crushing:	0.0012	0.000070 lbs/ton	2.4	0.14
Conveyor Transfer Points:	0.000046	1.30E-05 lbs/ton	0.092	0.026
			<b>Total</b>	<b>5.052</b>
				<b>0.466</b>



OFFROAD2017 (v1.0.1) Emissions Inventory

Region Type: Sub-Area

Region: San Bernardino (SC)

Calendar Year: 2022

Scenario: All Adopted Rules - Exhaust

Vehicle Classification: OFFROAD2017 Equipment Types

Units: Emissions: tons/day, Fuel Consumption: gallons/year, Activity: hours/year, HP-Hours: HP-hours/year

Region	CalYr	VehClass	MdlYr	HP_Bin	Fuel	HC_tpd	ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2_5_tpc	PM_tpd	SOx_tpd	NH3_tpd	Fuel_gpy	Total_Activ	Total_Popt	Horsepower_Hours_hh	
San Bernar	2022	TRU - Insta	Aggregated	Aggregated	Diesel	0.001404	0.001699	0.002022	0.026768	0.019869	0.546266	8.9E-05	8.18E-05	8.9E-05	5.04E-06	4.49E-06	346.749983	208892.4	267.5636	6580111	
San Bernar	2022	TRU - Insta	Aggregated	Aggregated	Diesel	0.027583	0.033376	0.03972	0.41094	0.26855	6.326959	0.004248	0.003908	0.004248	5.81E-05	5.2E-05	4016.124249	1608056	1213.734	54673899	
San Bernar	2022	TRU - Insta	Aggregated	Aggregated	Diesel	0.003658	0.004427	0.005268	0.03582	0.04296	0.859553	0.001743	0.001603	0.001743	7.89E-06	7.06E-06	545.6128667	432721.2	317.9436	6101369	
San Bernar	2022	TRU - Insta	Aggregated	Aggregated	Diesel	8.47E-05	0.000102	0.000122	0.000829	0.000995	0.019899	4.03E-05	3.71E-05	4.03E-05	1.83E-07	1.64E-07	12.63131981	15694.55	11.53163	141251	
																			1810.773		

g/hph												
HC	ROG	TOG	CO	Nox	CO2	PM10	PM2_5	PM	Sox	NH3	Fuel_gphr	
0.07066	0.085498	0.10175	1.347056	0.999864	27.48951	0.004477	0.004118	0.004477	0.000254	0.000226	5.26967E-05	
0.167055	0.202137	0.240559	2.488822	1.626452	38.31871	0.025727	0.023669	0.025727	0.000352	0.000315	7.3456E-05	
0.198542	0.240236	0.285901	1.943998	2.331463	46.64886	0.094589	0.087022	0.094589	0.000428	0.000383	8.94247E-05	
0.198542	0.240236	0.285901	1.943998	2.331463	46.64886	0.094589	0.087022	0.094589	0.000428	0.000383	8.94247E-05	

Weighting												
HC	ROG	TOG	CO	Nox	CO2	PM10	PM2_5	PM	Sox	NH3	Fuel_gphr	
18.90599	22.87625	27.22463	360.4233	267.5271	7355.192	1.197774	1.101952	1.197774	0.067891	0.060435	0.014099711	
44.69789	54.08445	64.36496	665.9182	435.1793	10252.69	6.883569	6.332883	6.883569	0.094086	0.084242	0.019654143	
53.12273	64.2785	76.49673	520.1432	623.8146	12481.54	25.3086	23.28391	25.3086	0.114578	0.102556	0.023926783	
53.12273	64.2785	76.49673	520.1432	623.8146	12481.54	25.3086	23.28391	25.3086	0.114578	0.102556	0.023926783	
169.8493	205.5177	244.583	2066.628	1950.336	42570.96	58.69854	54.00266	58.69854	0.391134	0.349789	0.08160742	
0.093799	0.113497	0.135071	1.141296	1.077073	23.50982	0.032416	0.029823	0.032416	0.000216	0.000193	4.50677E-05	

**Project**

Trucks 128.8  
 TRU HP 50  
 1 pound = 453.5924 grams

Source	ROG	NOX	CO	SO2	PM10	PM2.5	lbs/day	MT/yr
Transport f	0.40	3.82	4.05	0.00	0.12	0.11	83.45	13.81555

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

**9th and Vineyard Existing Conditions**  
**San Bernardino-South Coast County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	9.30	1000sqft	0.21	9,300.00	0
Manufacturing	39.38	1000sqft	0.90	39,375.00	0
Unrefrigerated Warehouse-No Rail	75.32	1000sqft	1.73	75,320.00	0
Parking Lot	145.00	1000sqft	3.33	145,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	32
<b>Climate Zone</b>	10			<b>Operational Year</b>	2020
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	546.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

Project Characteristics - Adjusted per the SCE 2018 Corporate Responsibility and Sustainability Report. The report provides intensity factor of CO2e, the CO2 intensity factor is calculated as  $513-25 \times 0.029-298 \times 0.00617=546.4363$  to avoid double counting.

Land Use - based on TIA, Manufacturing = 39,375, Warehouse = 75,320, General Office = 9,300

Construction Phase - operation only

Off-road Equipment - Operation only

Trips and VMT - operation only

Vehicle Trips - based on TIA, Manufacturing = 39,375, Warehouse = 75,320, General Office = 9,300 office  $91/9.3=9.7849462365591397849462365591398$  manuf.  $155/39.375=3.9365079365079365079365079365079$  warehouse= $1.7392458842272968667020711630377$

Water Mitigation -

Fleet Mix - 0.41035 0.0434 0.20105 0.120272 0.016162 0.035 0.046 0.123 0 0 0.004766 0 0  
TIA

Vehicle Emission Factors - EMFAC2017 San Bernardino County (SC) 2021 with Safe Rule

Vehicle Emission Factors - EMFAC2017 San Bernardino County (SC) 2021 with Safe Rule

Vehicle Emission Factors - EMFAC2017 San Bernardino County (SC) 2021 with Safe Rule

Energy Use -

Waste Mitigation - AB 939 - divert at least 50% of solid waste from landfills

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	1.00
tblFleetMix	HHD	0.06	0.12
tblFleetMix	HHD	0.06	0.12
tblFleetMix	HHD	0.06	0.12
tblFleetMix	LDA	0.55	0.41
tblFleetMix	LDA	0.55	0.41
tblFleetMix	LDA	0.55	0.41
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblFleetMix	LDT2	0.18	0.20
tblFleetMix	LDT2	0.18	0.20
tblFleetMix	LDT2	0.18	0.20
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD2	5.4600e-003	0.04
tblFleetMix	LHD2	5.4600e-003	0.04
tblFleetMix	LHD2	5.4600e-003	0.04
tblFleetMix	MCY	6.1170e-003	4.7660e-003
tblFleetMix	MCY	6.1170e-003	4.7660e-003
tblFleetMix	MCY	6.1170e-003	4.7660e-003
tblFleetMix	MDV	0.12	0.12
tblFleetMix	MDV	0.12	0.12
tblFleetMix	MDV	0.12	0.12
tblFleetMix	MH	1.0820e-003	0.00
tblFleetMix	MH	1.0820e-003	0.00
tblFleetMix	MH	1.0820e-003	0.00
tblFleetMix	MHD	0.02	0.05
tblFleetMix	MHD	0.02	0.05
tblFleetMix	MHD	0.02	0.05
tblFleetMix	OBUS	1.3370e-003	0.00
tblFleetMix	OBUS	1.3370e-003	0.00
tblFleetMix	OBUS	1.3370e-003	0.00
tblFleetMix	SBUS	8.1700e-004	0.00
tblFleetMix	SBUS	8.1700e-004	0.00
tblFleetMix	SBUS	8.1700e-004	0.00

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblFleetMix	UBUS	1.6570e-003	0.00
tblFleetMix	UBUS	1.6570e-003	0.00
tblFleetMix	UBUS	1.6570e-003	0.00
tblLandUse	LandUseSquareFeet	39,380.00	39,375.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	546.44
tblVehicleEF	HHD	1.26	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.13	0.00
tblVehicleEF	HHD	3.65	5.64
tblVehicleEF	HHD	0.59	0.81
tblVehicleEF	HHD	2.11	4.3810e-003
tblVehicleEF	HHD	7,044.09	1,107.90
tblVehicleEF	HHD	1,507.82	1,530.36
tblVehicleEF	HHD	6.10	0.04
tblVehicleEF	HHD	29.67	6.15
tblVehicleEF	HHD	3.22	4.04
tblVehicleEF	HHD	20.18	1.89
tblVehicleEF	HHD	0.02	8.6990e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.05
tblVehicleEF	HHD	7.6000e-005	1.0000e-006
tblVehicleEF	HHD	0.02	8.3230e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8830e-003	8.8320e-003
tblVehicleEF	HHD	0.02	0.05
tblVehicleEF	HHD	7.0000e-005	1.0000e-006

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	HHD	1.0700e-004	6.0000e-006
tblVehicleEF	HHD	4.2590e-003	1.9400e-004
tblVehicleEF	HHD	0.94	0.43
tblVehicleEF	HHD	6.5000e-005	4.0000e-006
tblVehicleEF	HHD	0.09	0.13
tblVehicleEF	HHD	2.9100e-004	9.6100e-004
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	9.6000e-005	0.00
tblVehicleEF	HHD	1.0700e-004	6.0000e-006
tblVehicleEF	HHD	4.2590e-003	1.9400e-004
tblVehicleEF	HHD	1.08	0.50
tblVehicleEF	HHD	6.5000e-005	4.0000e-006
tblVehicleEF	HHD	0.14	0.28
tblVehicleEF	HHD	2.9100e-004	9.6100e-004
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	1.19	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.12	0.00
tblVehicleEF	HHD	2.66	5.49
tblVehicleEF	HHD	0.59	0.82
tblVehicleEF	HHD	1.99	4.1360e-003
tblVehicleEF	HHD	7,457.73	1,107.11
tblVehicleEF	HHD	1,507.82	1,530.36
tblVehicleEF	HHD	6.10	0.04
tblVehicleEF	HHD	30.61	6.00

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	HHD	3.03	3.82
tblVehicleEF	HHD	20.18	1.89
tblVehicleEF	HHD	0.01	8.0470e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.05
tblVehicleEF	HHD	7.6000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	7.6990e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8830e-003	8.8320e-003
tblVehicleEF	HHD	0.02	0.05
tblVehicleEF	HHD	7.0000e-005	1.0000e-006
tblVehicleEF	HHD	2.1400e-004	1.2000e-005
tblVehicleEF	HHD	4.8950e-003	2.2100e-004
tblVehicleEF	HHD	0.89	0.45
tblVehicleEF	HHD	1.5100e-004	8.0000e-006
tblVehicleEF	HHD	0.09	0.13
tblVehicleEF	HHD	2.9900e-004	9.8700e-004
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	9.4000e-005	0.00
tblVehicleEF	HHD	2.1400e-004	1.2000e-005
tblVehicleEF	HHD	4.8950e-003	2.2100e-004
tblVehicleEF	HHD	1.02	0.52
tblVehicleEF	HHD	1.5100e-004	8.0000e-006
tblVehicleEF	HHD	0.14	0.28

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	HHD	2.9900e-004	9.8700e-004
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	1.36	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.13	0.00
tblVehicleEF	HHD	5.01	5.84
tblVehicleEF	HHD	0.59	0.81
tblVehicleEF	HHD	2.07	4.3470e-003
tblVehicleEF	HHD	6,472.88	1,109.00
tblVehicleEF	HHD	1,507.82	1,530.36
tblVehicleEF	HHD	6.10	0.04
tblVehicleEF	HHD	28.37	6.35
tblVehicleEF	HHD	3.17	3.98
tblVehicleEF	HHD	20.18	1.89
tblVehicleEF	HHD	0.02	9.6000e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.05
tblVehicleEF	HHD	7.6000e-005	1.0000e-006
tblVehicleEF	HHD	0.02	9.1850e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8830e-003	8.8320e-003
tblVehicleEF	HHD	0.02	0.05
tblVehicleEF	HHD	7.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.1000e-004	7.0000e-006
tblVehicleEF	HHD	4.8700e-003	2.2700e-004
tblVehicleEF	HHD	1.01	0.41



## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	HHD	6.4000e-005	4.0000e-006
tblVehicleEF	HHD	0.09	0.13
tblVehicleEF	HHD	3.1000e-004	1.0070e-003
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	9.6000e-005	0.00
tblVehicleEF	HHD	1.1000e-004	7.0000e-006
tblVehicleEF	HHD	4.8700e-003	2.2700e-004
tblVehicleEF	HHD	1.16	0.48
tblVehicleEF	HHD	6.4000e-005	4.0000e-006
tblVehicleEF	HHD	0.14	0.28
tblVehicleEF	HHD	3.1000e-004	1.0070e-003
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	LDA	5.1540e-003	2.8720e-003
tblVehicleEF	LDA	7.4770e-003	0.05
tblVehicleEF	LDA	0.66	0.73
tblVehicleEF	LDA	1.48	2.18
tblVehicleEF	LDA	271.76	271.31
tblVehicleEF	LDA	61.36	55.38
tblVehicleEF	LDA	0.06	0.04
tblVehicleEF	LDA	0.10	0.19
tblVehicleEF	LDA	1.7360e-003	1.5970e-003
tblVehicleEF	LDA	2.3270e-003	1.9420e-003
tblVehicleEF	LDA	1.6000e-003	1.4700e-003
tblVehicleEF	LDA	2.1400e-003	1.7850e-003
tblVehicleEF	LDA	0.05	0.06

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.10	0.24
tblVehicleEF	LDA	2.7220e-003	2.6840e-003
tblVehicleEF	LDA	6.3900e-004	5.4800e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.11	0.26
tblVehicleEF	LDA	5.8790e-003	3.2410e-003
tblVehicleEF	LDA	6.2340e-003	0.05
tblVehicleEF	LDA	0.81	0.88
tblVehicleEF	LDA	1.22	1.83
tblVehicleEF	LDA	297.40	293.82
tblVehicleEF	LDA	61.36	54.72
tblVehicleEF	LDA	0.06	0.04
tblVehicleEF	LDA	0.09	0.18
tblVehicleEF	LDA	1.7360e-003	1.5970e-003
tblVehicleEF	LDA	2.3270e-003	1.9420e-003
tblVehicleEF	LDA	1.6000e-003	1.4700e-003
tblVehicleEF	LDA	2.1400e-003	1.7850e-003
tblVehicleEF	LDA	0.11	0.12
tblVehicleEF	LDA	0.14	0.12

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.08	0.21
tblVehicleEF	LDA	2.9810e-003	2.9070e-003
tblVehicleEF	LDA	6.3500e-004	5.4100e-004
tblVehicleEF	LDA	0.11	0.12
tblVehicleEF	LDA	0.14	0.12
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.09	0.23
tblVehicleEF	LDA	5.0060e-003	2.8130e-003
tblVehicleEF	LDA	7.4230e-003	0.05
tblVehicleEF	LDA	0.62	0.70
tblVehicleEF	LDA	1.46	2.18
tblVehicleEF	LDA	265.71	267.12
tblVehicleEF	LDA	61.36	55.39
tblVehicleEF	LDA	0.06	0.04
tblVehicleEF	LDA	0.10	0.19
tblVehicleEF	LDA	1.7360e-003	1.5970e-003
tblVehicleEF	LDA	2.3270e-003	1.9420e-003
tblVehicleEF	LDA	1.6000e-003	1.4700e-003
tblVehicleEF	LDA	2.1400e-003	1.7850e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.13	0.12
tblVehicleEF	LDA	0.04	0.05

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.10	0.24
tblVehicleEF	LDA	2.6610e-003	2.6430e-003
tblVehicleEF	LDA	6.3900e-004	5.4800e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.13	0.12
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.11	0.27
tblVehicleEF	LDT1	0.02	8.7920e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.88	1.72
tblVehicleEF	LDT1	4.45	2.48
tblVehicleEF	LDT1	332.44	321.83
tblVehicleEF	LDT1	74.44	67.22
tblVehicleEF	LDT1	0.20	0.15
tblVehicleEF	LDT1	0.27	0.32
tblVehicleEF	LDT1	3.0160e-003	2.5670e-003
tblVehicleEF	LDT1	4.1090e-003	3.0690e-003
tblVehicleEF	LDT1	2.7780e-003	2.3630e-003
tblVehicleEF	LDT1	3.7800e-003	2.8220e-003
tblVehicleEF	LDT1	0.21	0.21
tblVehicleEF	LDT1	0.38	0.29
tblVehicleEF	LDT1	0.14	0.00
tblVehicleEF	LDT1	0.04	0.04

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	LDT1	0.23	0.93
tblVehicleEF	LDT1	0.32	0.47
tblVehicleEF	LDT1	3.3490e-003	3.1850e-003
tblVehicleEF	LDT1	8.2300e-004	6.6500e-004
tblVehicleEF	LDT1	0.21	0.21
tblVehicleEF	LDT1	0.38	0.29
tblVehicleEF	LDT1	0.14	0.15
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.23	0.93
tblVehicleEF	LDT1	0.35	0.52
tblVehicleEF	LDT1	0.02	9.8170e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	2.25	2.04
tblVehicleEF	LDT1	3.66	2.07
tblVehicleEF	LDT1	362.07	345.31
tblVehicleEF	LDT1	74.44	66.35
tblVehicleEF	LDT1	0.18	0.13
tblVehicleEF	LDT1	0.25	0.30
tblVehicleEF	LDT1	3.0160e-003	2.5670e-003
tblVehicleEF	LDT1	4.1090e-003	3.0690e-003
tblVehicleEF	LDT1	2.7780e-003	2.3630e-003
tblVehicleEF	LDT1	3.7800e-003	2.8220e-003
tblVehicleEF	LDT1	0.42	0.39
tblVehicleEF	LDT1	0.47	0.34
tblVehicleEF	LDT1	0.30	0.00
tblVehicleEF	LDT1	0.05	0.04
tblVehicleEF	LDT1	0.23	0.92

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	LDT1	0.27	0.41
tblVehicleEF	LDT1	3.6510e-003	3.4170e-003
tblVehicleEF	LDT1	8.0900e-004	6.5700e-004
tblVehicleEF	LDT1	0.42	0.39
tblVehicleEF	LDT1	0.47	0.34
tblVehicleEF	LDT1	0.30	0.28
tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	0.23	0.92
tblVehicleEF	LDT1	0.29	0.44
tblVehicleEF	LDT1	0.02	8.6230e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.79	1.66
tblVehicleEF	LDT1	4.37	2.48
tblVehicleEF	LDT1	325.45	317.45
tblVehicleEF	LDT1	74.44	67.23
tblVehicleEF	LDT1	0.19	0.14
tblVehicleEF	LDT1	0.26	0.32
tblVehicleEF	LDT1	3.0160e-003	2.5670e-003
tblVehicleEF	LDT1	4.1090e-003	3.0690e-003
tblVehicleEF	LDT1	2.7780e-003	2.3630e-003
tblVehicleEF	LDT1	3.7800e-003	2.8220e-003
tblVehicleEF	LDT1	0.22	0.21
tblVehicleEF	LDT1	0.44	0.33
tblVehicleEF	LDT1	0.13	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.26	1.09
tblVehicleEF	LDT1	0.32	0.48

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	LDT1	3.2780e-003	3.1410e-003
tblVehicleEF	LDT1	8.2200e-004	6.6500e-004
tblVehicleEF	LDT1	0.22	0.21
tblVehicleEF	LDT1	0.44	0.33
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.26	1.09
tblVehicleEF	LDT1	0.35	0.52
tblVehicleEF	LDT2	7.5900e-003	4.9710e-003
tblVehicleEF	LDT2	0.01	0.08
tblVehicleEF	LDT2	0.92	1.09
tblVehicleEF	LDT2	2.08	2.81
tblVehicleEF	LDT2	375.03	346.08
tblVehicleEF	LDT2	84.46	72.43
tblVehicleEF	LDT2	0.11	0.10
tblVehicleEF	LDT2	0.19	0.33
tblVehicleEF	LDT2	1.7360e-003	1.6820e-003
tblVehicleEF	LDT2	2.4270e-003	2.0130e-003
tblVehicleEF	LDT2	1.5970e-003	1.5480e-003
tblVehicleEF	LDT2	2.2320e-003	1.8510e-003
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.14	0.15
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.47
tblVehicleEF	LDT2	0.14	0.36
tblVehicleEF	LDT2	3.7580e-003	3.4240e-003

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	LDT2	8.8000e-004	7.1700e-004
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.14	0.15
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.08	0.47
tblVehicleEF	LDT2	0.16	0.40
tblVehicleEF	LDT2	8.6210e-003	5.5830e-003
tblVehicleEF	LDT2	8.8260e-003	0.07
tblVehicleEF	LDT2	1.12	1.31
tblVehicleEF	LDT2	1.72	2.36
tblVehicleEF	LDT2	409.49	369.05
tblVehicleEF	LDT2	84.46	71.54
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.18	0.31
tblVehicleEF	LDT2	1.7360e-003	1.6820e-003
tblVehicleEF	LDT2	2.4270e-003	2.0130e-003
tblVehicleEF	LDT2	1.5970e-003	1.5480e-003
tblVehicleEF	LDT2	2.2320e-003	1.8510e-003
tblVehicleEF	LDT2	0.15	0.19
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.46
tblVehicleEF	LDT2	0.12	0.31
tblVehicleEF	LDT2	4.1060e-003	3.6510e-003
tblVehicleEF	LDT2	8.7400e-004	7.0800e-004



9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	LDT2	0.15	0.19
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.46
tblVehicleEF	LDT2	0.13	0.34
tblVehicleEF	LDT2	7.3800e-003	4.8730e-003
tblVehicleEF	LDT2	0.01	0.08
tblVehicleEF	LDT2	0.87	1.05
tblVehicleEF	LDT2	2.04	2.82
tblVehicleEF	LDT2	366.89	341.80
tblVehicleEF	LDT2	84.46	72.45
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.19	0.33
tblVehicleEF	LDT2	1.7360e-003	1.6820e-003
tblVehicleEF	LDT2	2.4270e-003	2.0130e-003
tblVehicleEF	LDT2	1.5970e-003	1.5480e-003
tblVehicleEF	LDT2	2.2320e-003	1.8510e-003
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.16	0.17
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.09	0.55
tblVehicleEF	LDT2	0.14	0.37
tblVehicleEF	LDT2	3.6760e-003	3.3820e-003
tblVehicleEF	LDT2	8.8000e-004	7.1700e-004
tblVehicleEF	LDT2	0.07	0.10

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	LDT2	0.16	0.17
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.09	0.55
tblVehicleEF	LDT2	0.16	0.40
tblVehicleEF	LHD1	5.6900e-003	5.2260e-003
tblVehicleEF	LHD1	0.01	6.6980e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.27	0.82
tblVehicleEF	LHD1	2.93	1.07
tblVehicleEF	LHD1	9.23	9.31
tblVehicleEF	LHD1	620.09	661.60
tblVehicleEF	LHD1	31.53	11.44
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.40	1.38
tblVehicleEF	LHD1	1.05	0.33
tblVehicleEF	LHD1	9.6100e-004	8.7500e-004
tblVehicleEF	LHD1	0.01	9.8530e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0840e-003	2.7200e-004
tblVehicleEF	LHD1	9.1900e-004	8.3700e-004
tblVehicleEF	LHD1	2.5180e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.9800e-004	2.5000e-004
tblVehicleEF	LHD1	3.8770e-003	3.2010e-003
tblVehicleEF	LHD1	0.11	0.09

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8640e-003	1.6460e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.30	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	6.0910e-003	6.4470e-003
tblVehicleEF	LHD1	3.7100e-004	1.1300e-004
tblVehicleEF	LHD1	3.8770e-003	3.2010e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8640e-003	1.6460e-003
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.33	0.09
tblVehicleEF	LHD1	5.6900e-003	5.2390e-003
tblVehicleEF	LHD1	0.02	6.8390e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.29	0.83
tblVehicleEF	LHD1	2.74	1.02
tblVehicleEF	LHD1	9.23	9.31
tblVehicleEF	LHD1	620.09	661.62
tblVehicleEF	LHD1	31.53	11.34
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.25	1.29
tblVehicleEF	LHD1	1.00	0.32

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD1	9.6100e-004	8.7500e-004
tblVehicleEF	LHD1	0.01	9.8530e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0840e-003	2.7200e-004
tblVehicleEF	LHD1	9.1900e-004	8.3700e-004
tblVehicleEF	LHD1	2.5180e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.9800e-004	2.5000e-004
tblVehicleEF	LHD1	7.6890e-003	5.7800e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.2920e-003	3.1920e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.29	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	6.0910e-003	6.4470e-003
tblVehicleEF	LHD1	3.6700e-004	1.1200e-004
tblVehicleEF	LHD1	7.6890e-003	5.7800e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.2920e-003	3.1920e-003
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.32	0.09
tblVehicleEF	LHD1	5.6900e-003	5.2270e-003
tblVehicleEF	LHD1	0.01	6.7060e-003

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.27	0.82
tblVehicleEF	LHD1	2.88	1.06
tblVehicleEF	LHD1	9.23	9.31
tblVehicleEF	LHD1	620.09	661.60
tblVehicleEF	LHD1	31.53	11.43
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.36	1.36
tblVehicleEF	LHD1	1.03	0.33
tblVehicleEF	LHD1	9.6100e-004	8.7500e-004
tblVehicleEF	LHD1	0.01	9.8530e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0840e-003	2.7200e-004
tblVehicleEF	LHD1	9.1900e-004	8.3700e-004
tblVehicleEF	LHD1	2.5180e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.9800e-004	2.5000e-004
tblVehicleEF	LHD1	4.3010e-003	3.3430e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8380e-003	1.6790e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.38	0.63
tblVehicleEF	LHD1	0.30	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	6.0910e-003	6.4470e-003

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD1	3.7000e-004	1.1300e-004
tblVehicleEF	LHD1	4.3010e-003	3.3430e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8380e-003	1.6790e-003
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.38	0.63
tblVehicleEF	LHD1	0.33	0.09
tblVehicleEF	LHD2	4.0010e-003	3.8230e-003
tblVehicleEF	LHD2	5.9170e-003	4.4730e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.63	0.54
tblVehicleEF	LHD2	1.40	0.70
tblVehicleEF	LHD2	14.35	14.19
tblVehicleEF	LHD2	619.96	675.54
tblVehicleEF	LHD2	25.37	9.01
tblVehicleEF	LHD2	0.12	0.11
tblVehicleEF	LHD2	1.91	1.49
tblVehicleEF	LHD2	0.59	0.23
tblVehicleEF	LHD2	1.3140e-003	1.2910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.6400e-004	1.4500e-004
tblVehicleEF	LHD2	1.2570e-003	1.2360e-003
tblVehicleEF	LHD2	2.6760e-003	2.6480e-003
tblVehicleEF	LHD2	0.01	0.01

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD2	4.2700e-004	1.3300e-004
tblVehicleEF	LHD2	1.5090e-003	1.7970e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.7800e-004	9.5100e-004
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.11	0.34
tblVehicleEF	LHD2	0.14	0.06
tblVehicleEF	LHD2	1.4000e-004	1.3600e-004
tblVehicleEF	LHD2	6.0350e-003	6.5320e-003
tblVehicleEF	LHD2	2.8000e-004	8.9000e-005
tblVehicleEF	LHD2	1.5090e-003	1.7970e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7800e-004	9.5100e-004
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.11	0.34
tblVehicleEF	LHD2	0.15	0.06
tblVehicleEF	LHD2	4.0010e-003	3.8330e-003
tblVehicleEF	LHD2	6.0090e-003	4.5210e-003
tblVehicleEF	LHD2	9.7620e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.63	0.55
tblVehicleEF	LHD2	1.32	0.67
tblVehicleEF	LHD2	14.35	14.19
tblVehicleEF	LHD2	619.96	675.55
tblVehicleEF	LHD2	25.37	8.94

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD2	0.12	0.11
tblVehicleEF	LHD2	1.80	1.41
tblVehicleEF	LHD2	0.57	0.22
tblVehicleEF	LHD2	1.3140e-003	1.2910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.6400e-004	1.4500e-004
tblVehicleEF	LHD2	1.2570e-003	1.2360e-003
tblVehicleEF	LHD2	2.6760e-003	2.6480e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2700e-004	1.3300e-004
tblVehicleEF	LHD2	2.9270e-003	3.2440e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.7180e-003	1.8360e-003
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.11	0.34
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	1.4000e-004	1.3600e-004
tblVehicleEF	LHD2	6.0350e-003	6.5320e-003
tblVehicleEF	LHD2	2.7800e-004	8.8000e-005
tblVehicleEF	LHD2	2.9270e-003	3.2440e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.7180e-003	1.8360e-003
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.11	0.34



## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD2	0.14	0.06
tblVehicleEF	LHD2	4.0010e-003	3.8240e-003
tblVehicleEF	LHD2	5.9270e-003	4.4770e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.63	0.54
tblVehicleEF	LHD2	1.38	0.70
tblVehicleEF	LHD2	14.35	14.19
tblVehicleEF	LHD2	619.96	675.54
tblVehicleEF	LHD2	25.37	9.00
tblVehicleEF	LHD2	0.12	0.11
tblVehicleEF	LHD2	1.88	1.47
tblVehicleEF	LHD2	0.59	0.23
tblVehicleEF	LHD2	1.3140e-003	1.2910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.6400e-004	1.4500e-004
tblVehicleEF	LHD2	1.2570e-003	1.2360e-003
tblVehicleEF	LHD2	2.6760e-003	2.6480e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2700e-004	1.3300e-004
tblVehicleEF	LHD2	1.5970e-003	1.8290e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.6400e-004	9.5600e-004
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.11	0.36

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	1.4000e-004	1.3600e-004
tblVehicleEF	LHD2	6.0350e-003	6.5320e-003
tblVehicleEF	LHD2	2.7900e-004	8.9000e-005
tblVehicleEF	LHD2	1.5970e-003	1.8290e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.6400e-004	9.5600e-004
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.11	0.36
tblVehicleEF	LHD2	0.15	0.06
tblVehicleEF	MCY	0.41	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	21.63	19.60
tblVehicleEF	MCY	9.90	8.58
tblVehicleEF	MCY	166.31	212.10
tblVehicleEF	MCY	47.31	61.05
tblVehicleEF	MCY	1.17	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.7690e-003	1.9180e-003
tblVehicleEF	MCY	3.8320e-003	3.0150e-003
tblVehicleEF	MCY	1.6590e-003	1.7950e-003
tblVehicleEF	MCY	3.6220e-003	2.8420e-003
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.86	0.80
tblVehicleEF	MCY	0.81	0.78
tblVehicleEF	MCY	2.28	2.35

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	MCY	0.51	1.97
tblVehicleEF	MCY	2.19	1.85
tblVehicleEF	MCY	2.0810e-003	2.0990e-003
tblVehicleEF	MCY	7.0000e-004	6.0400e-004
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.86	0.80
tblVehicleEF	MCY	0.81	0.78
tblVehicleEF	MCY	2.77	2.88
tblVehicleEF	MCY	0.51	1.97
tblVehicleEF	MCY	2.38	2.02
tblVehicleEF	MCY	0.41	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	21.75	19.61
tblVehicleEF	MCY	9.07	7.90
tblVehicleEF	MCY	166.31	211.94
tblVehicleEF	MCY	47.31	59.22
tblVehicleEF	MCY	1.00	0.98
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.7690e-003	1.9180e-003
tblVehicleEF	MCY	3.8320e-003	3.0150e-003
tblVehicleEF	MCY	1.6590e-003	1.7950e-003
tblVehicleEF	MCY	3.6220e-003	2.8420e-003
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.28	1.12
tblVehicleEF	MCY	2.15	1.77
tblVehicleEF	MCY	2.21	2.30
tblVehicleEF	MCY	0.50	1.94

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	MCY	1.88	1.62
tblVehicleEF	MCY	2.0810e-003	2.0970e-003
tblVehicleEF	MCY	6.7600e-004	5.8600e-004
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.28	1.12
tblVehicleEF	MCY	2.15	1.77
tblVehicleEF	MCY	2.70	2.83
tblVehicleEF	MCY	0.50	1.94
tblVehicleEF	MCY	2.05	1.77
tblVehicleEF	MCY	0.41	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	20.62	19.08
tblVehicleEF	MCY	9.51	8.41
tblVehicleEF	MCY	166.31	211.21
tblVehicleEF	MCY	47.31	60.69
tblVehicleEF	MCY	1.13	1.10
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.7690e-003	1.9180e-003
tblVehicleEF	MCY	3.8320e-003	3.0150e-003
tblVehicleEF	MCY	1.6590e-003	1.7950e-003
tblVehicleEF	MCY	3.6220e-003	2.8420e-003
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.15	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.24	2.33
tblVehicleEF	MCY	0.57	2.24
tblVehicleEF	MCY	2.11	1.82

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	MCY	2.0640e-003	2.0900e-003
tblVehicleEF	MCY	6.9100e-004	6.0100e-004
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.15	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.73	2.86
tblVehicleEF	MCY	0.57	2.24
tblVehicleEF	MCY	2.30	1.98
tblVehicleEF	MDV	0.02	6.4810e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.73	1.30
tblVehicleEF	MDV	3.93	3.43
tblVehicleEF	MDV	510.99	426.46
tblVehicleEF	MDV	113.32	89.79
tblVehicleEF	MDV	0.22	0.13
tblVehicleEF	MDV	0.39	0.42
tblVehicleEF	MDV	1.8900e-003	1.7780e-003
tblVehicleEF	MDV	2.6570e-003	2.1460e-003
tblVehicleEF	MDV	1.7440e-003	1.6400e-003
tblVehicleEF	MDV	2.4460e-003	1.9750e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.51
tblVehicleEF	MDV	0.31	0.48
tblVehicleEF	MDV	5.1260e-003	4.2170e-003

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	MDV	1.2030e-003	8.8900e-004
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.21	0.18
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.11	0.51
tblVehicleEF	MDV	0.34	0.53
tblVehicleEF	MDV	0.02	7.2390e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	2.07	1.54
tblVehicleEF	MDV	3.28	2.88
tblVehicleEF	MDV	556.34	450.72
tblVehicleEF	MDV	113.32	88.68
tblVehicleEF	MDV	0.20	0.11
tblVehicleEF	MDV	0.37	0.39
tblVehicleEF	MDV	1.8900e-003	1.7780e-003
tblVehicleEF	MDV	2.6570e-003	2.1460e-003
tblVehicleEF	MDV	1.7440e-003	1.6400e-003
tblVehicleEF	MDV	2.4460e-003	1.9750e-003
tblVehicleEF	MDV	0.21	0.22
tblVehicleEF	MDV	0.25	0.20
tblVehicleEF	MDV	0.18	0.19
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.26	0.41
tblVehicleEF	MDV	5.5850e-003	4.4570e-003
tblVehicleEF	MDV	1.1910e-003	8.7800e-004

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	MDV	0.21	0.22
tblVehicleEF	MDV	0.25	0.20
tblVehicleEF	MDV	0.18	0.19
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.29	0.45
tblVehicleEF	MDV	0.01	6.3480e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.63	1.25
tblVehicleEF	MDV	3.86	3.44
tblVehicleEF	MDV	500.39	421.93
tblVehicleEF	MDV	113.32	89.81
tblVehicleEF	MDV	0.21	0.12
tblVehicleEF	MDV	0.39	0.41
tblVehicleEF	MDV	1.8900e-003	1.7780e-003
tblVehicleEF	MDV	2.6570e-003	2.1460e-003
tblVehicleEF	MDV	1.7440e-003	1.6400e-003
tblVehicleEF	MDV	2.4460e-003	1.9750e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.59
tblVehicleEF	MDV	0.31	0.48
tblVehicleEF	MDV	5.0190e-003	4.1720e-003
tblVehicleEF	MDV	1.2020e-003	8.8900e-004
tblVehicleEF	MDV	0.10	0.11

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.13	0.59
tblVehicleEF	MDV	0.34	0.53
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	4.29	1.54
tblVehicleEF	MH	7.50	2.24
tblVehicleEF	MH	1,044.38	1,507.66
tblVehicleEF	MH	61.75	19.53
tblVehicleEF	MH	1.73	1.53
tblVehicleEF	MH	0.99	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.5070e-003	2.7100e-004
tblVehicleEF	MH	3.2190e-003	3.2700e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.3940e-003	2.4900e-004
tblVehicleEF	MH	1.65	1.22
tblVehicleEF	MH	0.10	0.07
tblVehicleEF	MH	0.56	0.44
tblVehicleEF	MH	0.14	0.07
tblVehicleEF	MH	0.03	1.62
tblVehicleEF	MH	0.45	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.4900e-004	1.9300e-004



## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	MH	1.65	1.22
tblVehicleEF	MH	0.10	0.07
tblVehicleEF	MH	0.56	0.44
tblVehicleEF	MH	0.19	0.10
tblVehicleEF	MH	0.03	1.62
tblVehicleEF	MH	0.49	0.11
tblVehicleEF	MH	0.05	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	4.46	1.58
tblVehicleEF	MH	6.85	2.08
tblVehicleEF	MH	1,044.38	1,507.73
tblVehicleEF	MH	61.75	19.26
tblVehicleEF	MH	1.58	1.42
tblVehicleEF	MH	0.94	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.5070e-003	2.7100e-004
tblVehicleEF	MH	3.2190e-003	3.2700e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.3940e-003	2.4900e-004
tblVehicleEF	MH	3.30	2.17
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	1.37	0.88
tblVehicleEF	MH	0.14	0.07
tblVehicleEF	MH	0.03	1.61
tblVehicleEF	MH	0.42	0.10
tblVehicleEF	MH	0.01	0.01

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	MH	7.3800e-004	1.9100e-004
tblVehicleEF	MH	3.30	2.17
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	1.37	0.88
tblVehicleEF	MH	0.20	0.10
tblVehicleEF	MH	0.03	1.61
tblVehicleEF	MH	0.46	0.11
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	4.28	1.54
tblVehicleEF	MH	7.39	2.24
tblVehicleEF	MH	1,044.38	1,507.66
tblVehicleEF	MH	61.75	19.53
tblVehicleEF	MH	1.69	1.50
tblVehicleEF	MH	0.97	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.5070e-003	2.7100e-004
tblVehicleEF	MH	3.2190e-003	3.2700e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.3940e-003	2.4900e-004
tblVehicleEF	MH	2.00	1.37
tblVehicleEF	MH	0.13	0.09
tblVehicleEF	MH	0.59	0.47
tblVehicleEF	MH	0.14	0.07
tblVehicleEF	MH	0.03	1.71
tblVehicleEF	MH	0.44	0.10

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.4700e-004	1.9300e-004
tblVehicleEF	MH	2.00	1.37
tblVehicleEF	MH	0.13	0.09
tblVehicleEF	MH	0.59	0.47
tblVehicleEF	MH	0.19	0.10
tblVehicleEF	MH	0.03	1.71
tblVehicleEF	MH	0.49	0.11
tblVehicleEF	MHD	0.02	2.5780e-003
tblVehicleEF	MHD	6.5200e-003	5.9780e-003
tblVehicleEF	MHD	0.06	6.7400e-003
tblVehicleEF	MHD	0.41	0.31
tblVehicleEF	MHD	0.48	0.52
tblVehicleEF	MHD	6.64	0.79
tblVehicleEF	MHD	157.61	71.13
tblVehicleEF	MHD	1,102.10	1,006.19
tblVehicleEF	MHD	54.49	6.51
tblVehicleEF	MHD	0.99	0.62
tblVehicleEF	MHD	1.67	2.32
tblVehicleEF	MHD	11.76	1.28
tblVehicleEF	MHD	2.8010e-003	2.0960e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	8.7800e-004	8.0000e-005
tblVehicleEF	MHD	2.6800e-003	2.0050e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	8.0700e-004	7.3000e-005
tblVehicleEF	MHD	1.5850e-003	5.0000e-004

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.7500e-004	2.5900e-004
tblVehicleEF	MHD	0.08	0.11
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.40	0.04
tblVehicleEF	MHD	1.5150e-003	6.7400e-004
tblVehicleEF	MHD	0.01	9.5620e-003
tblVehicleEF	MHD	6.6100e-004	6.4000e-005
tblVehicleEF	MHD	1.5850e-003	5.0000e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	7.7500e-004	2.5900e-004
tblVehicleEF	MHD	0.09	0.13
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.44	0.04
tblVehicleEF	MHD	0.02	2.4500e-003
tblVehicleEF	MHD	6.6290e-003	6.0070e-003
tblVehicleEF	MHD	0.06	6.4700e-003
tblVehicleEF	MHD	0.29	0.26
tblVehicleEF	MHD	0.49	0.52
tblVehicleEF	MHD	6.20	0.75
tblVehicleEF	MHD	166.94	72.33
tblVehicleEF	MHD	1,102.10	1,006.20
tblVehicleEF	MHD	54.49	6.44
tblVehicleEF	MHD	1.02	0.63
tblVehicleEF	MHD	1.57	2.18

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	MHD	11.71	1.28
tblVehicleEF	MHD	2.3620e-003	1.7700e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	8.7800e-004	8.0000e-005
tblVehicleEF	MHD	2.2590e-003	1.6930e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	8.0700e-004	7.3000e-005
tblVehicleEF	MHD	3.1650e-003	9.1700e-004
tblVehicleEF	MHD	0.06	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.8350e-003	5.2200e-004
tblVehicleEF	MHD	0.08	0.11
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.38	0.03
tblVehicleEF	MHD	1.6030e-003	6.8500e-004
tblVehicleEF	MHD	0.01	9.5630e-003
tblVehicleEF	MHD	6.5400e-004	6.4000e-005
tblVehicleEF	MHD	3.1650e-003	9.1700e-004
tblVehicleEF	MHD	0.06	0.02
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	1.8350e-003	5.2200e-004
tblVehicleEF	MHD	0.09	0.13
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.42	0.04
tblVehicleEF	MHD	0.02	2.7650e-003
tblVehicleEF	MHD	6.5300e-003	5.9780e-003
tblVehicleEF	MHD	0.06	6.6910e-003

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	MHD	0.56	0.38
tblVehicleEF	MHD	0.48	0.52
tblVehicleEF	MHD	6.52	0.78
tblVehicleEF	MHD	144.70	69.48
tblVehicleEF	MHD	1,102.10	1,006.19
tblVehicleEF	MHD	54.49	6.50
tblVehicleEF	MHD	0.94	0.61
tblVehicleEF	MHD	1.64	2.28
tblVehicleEF	MHD	11.75	1.28
tblVehicleEF	MHD	3.4090e-003	2.5470e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	8.7800e-004	8.0000e-005
tblVehicleEF	MHD	3.2610e-003	2.4370e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	8.0700e-004	7.3000e-005
tblVehicleEF	MHD	1.7730e-003	5.2700e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.6800e-004	2.6500e-004
tblVehicleEF	MHD	0.08	0.11
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.40	0.04
tblVehicleEF	MHD	1.3930e-003	6.5800e-004
tblVehicleEF	MHD	0.01	9.5620e-003
tblVehicleEF	MHD	6.5900e-004	6.4000e-005
tblVehicleEF	MHD	1.7730e-003	5.2700e-004
tblVehicleEF	MHD	0.05	0.02

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	7.6800e-004	2.6500e-004
tblVehicleEF	MHD	0.09	0.13
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.43	0.04
tblVehicleEF	OBUS	0.01	9.0870e-003
tblVehicleEF	OBUS	0.01	8.8680e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.53
tblVehicleEF	OBUS	0.84	0.98
tblVehicleEF	OBUS	7.08	2.51
tblVehicleEF	OBUS	69.66	78.17
tblVehicleEF	OBUS	1,125.58	1,439.48
tblVehicleEF	OBUS	71.49	20.77
tblVehicleEF	OBUS	0.36	0.46
tblVehicleEF	OBUS	1.31	1.64
tblVehicleEF	OBUS	2.03	0.63
tblVehicleEF	OBUS	1.6600e-004	1.7960e-003
tblVehicleEF	OBUS	6.3680e-003	0.03
tblVehicleEF	OBUS	9.0100e-004	2.1800e-004
tblVehicleEF	OBUS	1.5900e-004	1.7180e-003
tblVehicleEF	OBUS	6.0730e-003	0.03
tblVehicleEF	OBUS	8.2900e-004	2.0000e-004
tblVehicleEF	OBUS	2.2890e-003	2.6450e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	9.6000e-004	1.1230e-003

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.44	0.12
tblVehicleEF	OBUS	6.7700e-004	7.4500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.3900e-004	2.0500e-004
tblVehicleEF	OBUS	2.2890e-003	2.6450e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.6000e-004	1.1230e-003
tblVehicleEF	OBUS	0.07	0.11
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.48	0.13
tblVehicleEF	OBUS	0.01	9.1120e-003
tblVehicleEF	OBUS	0.01	9.0270e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.50
tblVehicleEF	OBUS	0.86	0.99
tblVehicleEF	OBUS	6.48	2.33
tblVehicleEF	OBUS	72.76	78.62
tblVehicleEF	OBUS	1,125.58	1,439.51
tblVehicleEF	OBUS	71.49	20.47
tblVehicleEF	OBUS	0.37	0.46
tblVehicleEF	OBUS	1.21	1.53
tblVehicleEF	OBUS	1.97	0.62
tblVehicleEF	OBUS	1.4000e-004	1.5180e-003
tblVehicleEF	OBUS	6.3680e-003	0.03



9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	OBUS	9.0100e-004	2.1800e-004
tblVehicleEF	OBUS	1.3400e-004	1.4520e-003
tblVehicleEF	OBUS	6.0730e-003	0.03
tblVehicleEF	OBUS	8.2900e-004	2.0000e-004
tblVehicleEF	OBUS	4.4650e-003	4.7740e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	2.2300e-003	2.2390e-003
tblVehicleEF	OBUS	0.06	0.09
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.41	0.12
tblVehicleEF	OBUS	7.0700e-004	7.4900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2900e-004	2.0300e-004
tblVehicleEF	OBUS	4.4650e-003	4.7740e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.2300e-003	2.2390e-003
tblVehicleEF	OBUS	0.07	0.11
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.45	0.13
tblVehicleEF	OBUS	0.01	9.0830e-003
tblVehicleEF	OBUS	0.01	8.8720e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.29	0.56
tblVehicleEF	OBUS	0.84	0.98
tblVehicleEF	OBUS	7.02	2.51

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	OBUS	65.38	77.54
tblVehicleEF	OBUS	1,125.58	1,439.48
tblVehicleEF	OBUS	71.49	20.78
tblVehicleEF	OBUS	0.35	0.46
tblVehicleEF	OBUS	1.28	1.61
tblVehicleEF	OBUS	2.01	0.62
tblVehicleEF	OBUS	2.0300e-004	2.1800e-003
tblVehicleEF	OBUS	6.3680e-003	0.03
tblVehicleEF	OBUS	9.0100e-004	2.1800e-004
tblVehicleEF	OBUS	1.9400e-004	2.0860e-003
tblVehicleEF	OBUS	6.0730e-003	0.03
tblVehicleEF	OBUS	8.2900e-004	2.0000e-004
tblVehicleEF	OBUS	2.4760e-003	2.8110e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	9.7500e-004	1.1780e-003
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.06	0.30
tblVehicleEF	OBUS	0.44	0.12
tblVehicleEF	OBUS	6.3600e-004	7.3900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.3800e-004	2.0600e-004
tblVehicleEF	OBUS	2.4760e-003	2.8110e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.7500e-004	1.1780e-003
tblVehicleEF	OBUS	0.07	0.11

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	OBUS	0.06	0.30
tblVehicleEF	OBUS	0.48	0.13
tblVehicleEF	SBUS	0.87	0.06
tblVehicleEF	SBUS	0.01	9.3510e-003
tblVehicleEF	SBUS	0.08	6.0110e-003
tblVehicleEF	SBUS	5.54	2.44
tblVehicleEF	SBUS	0.77	0.85
tblVehicleEF	SBUS	5.64	0.82
tblVehicleEF	SBUS	1,282.62	346.38
tblVehicleEF	SBUS	1,152.18	1,125.90
tblVehicleEF	SBUS	35.03	4.74
tblVehicleEF	SBUS	13.20	3.40
tblVehicleEF	SBUS	5.57	5.50
tblVehicleEF	SBUS	15.44	0.84
tblVehicleEF	SBUS	0.02	4.8620e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0700e-004	4.1000e-005
tblVehicleEF	SBUS	0.01	4.6520e-003
tblVehicleEF	SBUS	2.7710e-003	2.7030e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6600e-004	3.8000e-005
tblVehicleEF	SBUS	3.3280e-003	1.3250e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.67	0.28
tblVehicleEF	SBUS	1.3510e-003	6.0000e-004
tblVehicleEF	SBUS	0.12	0.11

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.29	0.03
tblVehicleEF	SBUS	0.01	3.3010e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.4800e-004	4.7000e-005
tblVehicleEF	SBUS	3.3280e-003	1.3250e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.95	0.39
tblVehicleEF	SBUS	1.3510e-003	6.0000e-004
tblVehicleEF	SBUS	0.15	0.14
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.32	0.04
tblVehicleEF	SBUS	0.87	0.06
tblVehicleEF	SBUS	0.01	9.4940e-003
tblVehicleEF	SBUS	0.06	5.0320e-003
tblVehicleEF	SBUS	5.38	2.40
tblVehicleEF	SBUS	0.78	0.87
tblVehicleEF	SBUS	3.86	0.59
tblVehicleEF	SBUS	1,348.56	354.98
tblVehicleEF	SBUS	1,152.18	1,125.93
tblVehicleEF	SBUS	35.03	4.36
tblVehicleEF	SBUS	13.63	3.47
tblVehicleEF	SBUS	5.22	5.16
tblVehicleEF	SBUS	15.41	0.83
tblVehicleEF	SBUS	0.01	4.1060e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	SBUS	5.0700e-004	4.1000e-005
tblVehicleEF	SBUS	0.01	3.9280e-003
tblVehicleEF	SBUS	2.7710e-003	2.7030e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6600e-004	3.8000e-005
tblVehicleEF	SBUS	6.4210e-003	2.3540e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	0.66	0.28
tblVehicleEF	SBUS	3.0640e-003	1.1400e-003
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.07
tblVehicleEF	SBUS	0.24	0.03
tblVehicleEF	SBUS	0.01	3.3820e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.1800e-004	4.3000e-005
tblVehicleEF	SBUS	6.4210e-003	2.3540e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	0.95	0.39
tblVehicleEF	SBUS	3.0640e-003	1.1400e-003
tblVehicleEF	SBUS	0.15	0.14
tblVehicleEF	SBUS	0.01	0.07
tblVehicleEF	SBUS	0.26	0.03
tblVehicleEF	SBUS	0.88	0.06
tblVehicleEF	SBUS	0.01	9.3430e-003
tblVehicleEF	SBUS	0.08	6.1930e-003
tblVehicleEF	SBUS	5.77	2.50
tblVehicleEF	SBUS	0.77	0.85

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	SBUS	5.69	0.86
tblVehicleEF	SBUS	1,191.56	334.50
tblVehicleEF	SBUS	1,152.18	1,125.90
tblVehicleEF	SBUS	35.03	4.80
tblVehicleEF	SBUS	12.62	3.29
tblVehicleEF	SBUS	5.48	5.42
tblVehicleEF	SBUS	15.44	0.84
tblVehicleEF	SBUS	0.02	5.9060e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0700e-004	4.1000e-005
tblVehicleEF	SBUS	0.02	5.6510e-003
tblVehicleEF	SBUS	2.7710e-003	2.7030e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6600e-004	3.8000e-005
tblVehicleEF	SBUS	3.5990e-003	1.3400e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	0.67	0.28
tblVehicleEF	SBUS	1.3510e-003	6.1900e-004
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.02	0.09
tblVehicleEF	SBUS	0.30	0.04
tblVehicleEF	SBUS	0.01	3.1880e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.4900e-004	4.8000e-005
tblVehicleEF	SBUS	3.5990e-003	1.3400e-003
tblVehicleEF	SBUS	0.03	0.01

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	SBUS	0.96	0.40
tblVehicleEF	SBUS	1.3510e-003	6.1900e-004
tblVehicleEF	SBUS	0.15	0.14
tblVehicleEF	SBUS	0.02	0.09
tblVehicleEF	SBUS	0.33	0.04
tblVehicleEF	UBUS	2.06	4.45
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	10.29	34.75
tblVehicleEF	UBUS	15.37	0.93
tblVehicleEF	UBUS	1,878.06	1,692.28
tblVehicleEF	UBUS	133.67	11.84
tblVehicleEF	UBUS	7.05	0.38
tblVehicleEF	UBUS	13.97	0.14
tblVehicleEF	UBUS	0.53	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.08	2.6530e-003
tblVehicleEF	UBUS	1.3540e-003	1.4100e-004
tblVehicleEF	UBUS	0.23	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.08	2.5270e-003
tblVehicleEF	UBUS	1.2450e-003	1.3000e-004
tblVehicleEF	UBUS	8.7400e-003	1.0750e-003
tblVehicleEF	UBUS	0.13	7.9950e-003
tblVehicleEF	UBUS	4.1930e-003	6.3000e-004
tblVehicleEF	UBUS	0.72	0.07
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.23	0.04

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	UBUS	0.01	3.0270e-003
tblVehicleEF	UBUS	1.6160e-003	1.1700e-004
tblVehicleEF	UBUS	8.7400e-003	1.0750e-003
tblVehicleEF	UBUS	0.13	7.9950e-003
tblVehicleEF	UBUS	4.1930e-003	6.3000e-004
tblVehicleEF	UBUS	2.85	4.54
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.34	0.04
tblVehicleEF	UBUS	2.07	4.45
tblVehicleEF	UBUS	0.08	9.3650e-003
tblVehicleEF	UBUS	10.40	34.75
tblVehicleEF	UBUS	12.59	0.79
tblVehicleEF	UBUS	1,878.06	1,692.28
tblVehicleEF	UBUS	133.67	11.61
tblVehicleEF	UBUS	6.56	0.38
tblVehicleEF	UBUS	13.85	0.14
tblVehicleEF	UBUS	0.53	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.08	2.6530e-003
tblVehicleEF	UBUS	1.3540e-003	1.4100e-004
tblVehicleEF	UBUS	0.23	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.08	2.5270e-003
tblVehicleEF	UBUS	1.2450e-003	1.3000e-004
tblVehicleEF	UBUS	0.02	1.9730e-003
tblVehicleEF	UBUS	0.16	9.6930e-003
tblVehicleEF	UBUS	9.9910e-003	1.3010e-003



## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	UBUS	0.73	0.07
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.09	0.03
tblVehicleEF	UBUS	0.01	3.0270e-003
tblVehicleEF	UBUS	1.5680e-003	1.1500e-004
tblVehicleEF	UBUS	0.02	1.9730e-003
tblVehicleEF	UBUS	0.16	9.6930e-003
tblVehicleEF	UBUS	9.9910e-003	1.3010e-003
tblVehicleEF	UBUS	2.87	4.54
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.20	0.04
tblVehicleEF	UBUS	2.06	4.45
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	10.30	34.75
tblVehicleEF	UBUS	14.85	0.94
tblVehicleEF	UBUS	1,878.06	1,692.28
tblVehicleEF	UBUS	133.67	11.87
tblVehicleEF	UBUS	6.92	0.38
tblVehicleEF	UBUS	13.95	0.14
tblVehicleEF	UBUS	0.53	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.08	2.6530e-003
tblVehicleEF	UBUS	1.3540e-003	1.4100e-004
tblVehicleEF	UBUS	0.23	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.08	2.5270e-003
tblVehicleEF	UBUS	1.2450e-003	1.3000e-004

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleEF	UBUS	0.01	1.1090e-003
tblVehicleEF	UBUS	0.16	9.1160e-003
tblVehicleEF	UBUS	4.4110e-003	6.4000e-004
tblVehicleEF	UBUS	0.72	0.07
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.21	0.04
tblVehicleEF	UBUS	0.01	3.0270e-003
tblVehicleEF	UBUS	1.6070e-003	1.1700e-004
tblVehicleEF	UBUS	0.01	1.1090e-003
tblVehicleEF	UBUS	0.16	9.1160e-003
tblVehicleEF	UBUS	4.4110e-003	6.4000e-004
tblVehicleEF	UBUS	2.86	4.54
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.32	0.04
tblVehicleTrips	CNW_TL	6.90	25.00
tblVehicleTrips	CNW_TL	6.90	25.00
tblVehicleTrips	CNW_TTP	41.00	20.00
tblVehicleTrips	CW_TTP	59.00	80.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

tblVehicleTrips	ST_TR	2.46	9.78
tblVehicleTrips	ST_TR	1.49	3.94
tblVehicleTrips	ST_TR	1.68	1.74
tblVehicleTrips	SU_TR	1.05	9.78
tblVehicleTrips	SU_TR	0.62	3.94
tblVehicleTrips	SU_TR	1.68	1.74
tblVehicleTrips	WD_TR	11.03	9.78
tblVehicleTrips	WD_TR	3.82	3.94
tblVehicleTrips	WD_TR	1.68	1.74

**2.0 Emissions Summary**

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9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.8350	2.6000e-004	0.0276	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0589	0.0589	1.6000e-004		0.0628
Energy	0.0433	0.3934	0.3304	2.3600e-003		0.0299	0.0299		0.0299	0.0299		472.0272	472.0272	9.0500e-003	8.6500e-003	474.8322
Mobile	1.4582	9.9296	16.6219	0.0659	4.5489	0.1484	4.6974	1.2251	0.1414	1.3665		6,945.3005	6,945.3005	0.3391		6,953.7780
<b>Total</b>	<b>4.3365</b>	<b>10.3232</b>	<b>16.9799</b>	<b>0.0683</b>	<b>4.5489</b>	<b>0.1784</b>	<b>4.7274</b>	<b>1.2251</b>	<b>0.1714</b>	<b>1.3965</b>		<b>7,417.3865</b>	<b>7,417.3865</b>	<b>0.3483</b>	<b>8.6500e-003</b>	<b>7,428.6730</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.8350	2.6000e-004	0.0276	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0589	0.0589	1.6000e-004		0.0628
Energy	0.0433	0.3934	0.3304	2.3600e-003		0.0299	0.0299		0.0299	0.0299		472.0272	472.0272	9.0500e-003	8.6500e-003	474.8322
Mobile	1.4582	9.9296	16.6219	0.0659	4.5489	0.1484	4.6974	1.2251	0.1414	1.3665		6,945.3005	6,945.3005	0.3391		6,953.7780
<b>Total</b>	<b>4.3365</b>	<b>10.3232</b>	<b>16.9799</b>	<b>0.0683</b>	<b>4.5489</b>	<b>0.1784</b>	<b>4.7274</b>	<b>1.2251</b>	<b>0.1714</b>	<b>1.3965</b>		<b>7,417.3865</b>	<b>7,417.3865</b>	<b>0.3483</b>	<b>8.6500e-003</b>	<b>7,428.6730</b>

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

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

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	11/13/2019	11/13/2019	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 3.33

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

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

#### Trips and VMT

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	112.00	44.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

**3.2 Building Construction - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>		<b>1.2899</b>	<b>1.2899</b>		<b>1.2127</b>	<b>1.2127</b>		<b>2,591.580 2</b>	<b>2,591.580 2</b>	<b>0.6313</b>		<b>2,607.363 5</b>

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

**3.2 Building Construction - 2019**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1578	5.0665	1.0303	0.0120	0.2818	0.0317	0.3135	0.0812	0.0303	0.1115		1,267.4099	1,267.4099	0.0857		1,269.5524
Worker	0.6640	0.4417	5.5830	0.0131	1.2519	8.4200e-003	1.2603	0.3320	7.7500e-003	0.3398		1,306.3858	1,306.3858	0.0438		1,307.4809
<b>Total</b>	<b>0.8219</b>	<b>5.5082</b>	<b>6.6132</b>	<b>0.0252</b>	<b>1.5337</b>	<b>0.0401</b>	<b>1.5738</b>	<b>0.4132</b>	<b>0.0381</b>	<b>0.4512</b>		<b>2,573.7958</b>	<b>2,573.7958</b>	<b>0.1295</b>		<b>2,577.0334</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>		<b>1.2899</b>	<b>1.2899</b>		<b>1.2127</b>	<b>1.2127</b>	<b>0.0000</b>	<b>2,591.5802</b>	<b>2,591.5802</b>	<b>0.6313</b>		<b>2,607.3635</b>



9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

**3.2 Building Construction - 2019**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1578	5.0665	1.0303	0.0120	0.2818	0.0317	0.3135	0.0812	0.0303	0.1115		1,267.4099	1,267.4099	0.0857		1,269.5524
Worker	0.6640	0.4417	5.5830	0.0131	1.2519	8.4200e-003	1.2603	0.3320	7.7500e-003	0.3398		1,306.3858	1,306.3858	0.0438		1,307.4809
<b>Total</b>	<b>0.8219</b>	<b>5.5082</b>	<b>6.6132</b>	<b>0.0252</b>	<b>1.5337</b>	<b>0.0401</b>	<b>1.5738</b>	<b>0.4132</b>	<b>0.0381</b>	<b>0.4512</b>		<b>2,573.7958</b>	<b>2,573.7958</b>	<b>0.1295</b>		<b>2,577.0334</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.4582	9.9296	16.6219	0.0659	4.5489	0.1484	4.6974	1.2251	0.1414	1.3665		6,945.3005	6,945.3005	0.3391		6,953.7780
Unmitigated	1.4582	9.9296	16.6219	0.0659	4.5489	0.1484	4.6974	1.2251	0.1414	1.3665		6,945.3005	6,945.3005	0.3391		6,953.7780

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	91.00	91.00	91.00	358,435	358,435
Manufacturing	155.02	155.02	155.02	868,753	868,753
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	131.00	131.00	131.00	871,664	871,664
<b>Total</b>	<b>377.02</b>	<b>377.02</b>	<b>377.02</b>	<b>2,098,851</b>	<b>2,098,851</b>

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	100	0	0
Manufacturing	16.60	8.40	25.00	59.00	28.00	13.00	100	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	25.00	80.00	0.00	20.00	100	0	0

4.4 Fleet Mix

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.410350	0.043400	0.201050	0.120272	0.016162	0.035000	0.046000	0.123000	0.000000	0.000000	0.004766	0.000000	0.000000
Manufacturing	0.410350	0.043400	0.201050	0.120272	0.016162	0.035000	0.046000	0.123000	0.000000	0.000000	0.004766	0.000000	0.000000
Parking Lot	0.546179	0.037976	0.179086	0.122965	0.018430	0.005460	0.017497	0.061396	0.001337	0.001657	0.006117	0.000817	0.001082
Unrefrigerated Warehouse-No Rail	0.410350	0.043400	0.201050	0.120272	0.016162	0.035000	0.046000	0.123000	0.000000	0.000000	0.004766	0.000000	0.000000

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0433	0.3934	0.3304	2.3600e-003		0.0299	0.0299		0.0299	0.0299		472.0272	472.0272	9.0500e-003	8.6500e-003	474.8322
NaturalGas Unmitigated	0.0433	0.3934	0.3304	2.3600e-003		0.0299	0.0299		0.0299	0.0299		472.0272	472.0272	9.0500e-003	8.6500e-003	474.8322

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	88.4137	9.5000e-004	8.6700e-003	7.2800e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004		10.4016	10.4016	2.0000e-004	1.9000e-004	10.4634
Manufacturing	3504.91	0.0378	0.3436	0.2886	2.0600e-003		0.0261	0.0261		0.0261	0.0261		412.3429	412.3429	7.9000e-003	7.5600e-003	414.7932
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	418.903	4.5200e-003	0.0411	0.0345	2.5000e-004		3.1200e-003	3.1200e-003		3.1200e-003	3.1200e-003		49.2827	49.2827	9.4000e-004	9.0000e-004	49.5756
<b>Total</b>		<b>0.0433</b>	<b>0.3934</b>	<b>0.3304</b>	<b>2.3600e-003</b>		<b>0.0299</b>	<b>0.0299</b>		<b>0.0299</b>	<b>0.0299</b>		<b>472.0272</b>	<b>472.0272</b>	<b>9.0400e-003</b>	<b>8.6500e-003</b>	<b>474.8322</b>

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	0.0884137	9.5000e-004	8.6700e-003	7.2800e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004		10.4016	10.4016	2.0000e-004	1.9000e-004	10.4634
Manufacturing	3.50491	0.0378	0.3436	0.2886	2.0600e-003		0.0261	0.0261		0.0261	0.0261		412.3429	412.3429	7.9000e-003	7.5600e-003	414.7932
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0.418903	4.5200e-003	0.0411	0.0345	2.5000e-004		3.1200e-003	3.1200e-003		3.1200e-003	3.1200e-003		49.2827	49.2827	9.4000e-004	9.0000e-004	49.5756
<b>Total</b>		<b>0.0433</b>	<b>0.3934</b>	<b>0.3304</b>	<b>2.3600e-003</b>		<b>0.0299</b>	<b>0.0299</b>		<b>0.0299</b>	<b>0.0299</b>		<b>472.0272</b>	<b>472.0272</b>	<b>9.0400e-003</b>	<b>8.6500e-003</b>	<b>474.8322</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.8350	2.6000e-004	0.0276	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0589	0.0589	1.6000e-004		0.0628
Unmitigated	2.8350	2.6000e-004	0.0276	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0589	0.0589	1.6000e-004		0.0628

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3260					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.5065					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.6000e-003	2.6000e-004	0.0276	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0589	0.0589	1.6000e-004		0.0628
<b>Total</b>	<b>2.8350</b>	<b>2.6000e-004</b>	<b>0.0276</b>	<b>0.0000</b>		<b>1.0000e-004</b>	<b>1.0000e-004</b>		<b>1.0000e-004</b>	<b>1.0000e-004</b>		<b>0.0589</b>	<b>0.0589</b>	<b>1.6000e-004</b>		<b>0.0628</b>

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3260					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.5065					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.6000e-003	2.6000e-004	0.0276	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0589	0.0589	1.6000e-004		0.0628
<b>Total</b>	<b>2.8350</b>	<b>2.6000e-004</b>	<b>0.0276</b>	<b>0.0000</b>		<b>1.0000e-004</b>	<b>1.0000e-004</b>		<b>1.0000e-004</b>	<b>1.0000e-004</b>		<b>0.0589</b>	<b>0.0589</b>	<b>1.6000e-004</b>		<b>0.0628</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

**9.0 Operational Offroad**

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

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Summer

**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

**9th and Vineyard Existing Conditions**  
**San Bernardino-South Coast County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	9.30	1000sqft	0.21	9,300.00	0
Manufacturing	39.38	1000sqft	0.90	39,375.00	0
Unrefrigerated Warehouse-No Rail	75.32	1000sqft	1.73	75,320.00	0
Parking Lot	145.00	1000sqft	3.33	145,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	32
<b>Climate Zone</b>	10			<b>Operational Year</b>	2020
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	546.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

Project Characteristics - Adjusted per the SCE 2018 Corporate Responsibility and Sustainability Report. The report provides intensity factor of CO2e, the CO2 intensity factor is calculated as  $513-25 \times 0.029-298 \times 0.00617=546.4363$  to avoid double counting.

Land Use - based on TIA, Manufacturing = 39,375, Warehouse = 75,320, General Office = 9,300

Construction Phase - operation only

Off-road Equipment - Operation only

Trips and VMT - operation only

Vehicle Trips - based on TIA, Manufacturing = 39,375, Warehouse = 75,320, General Office = 9,300 office  $91/9.3=9.7849462365591397849462365591398$  manuf.  $155/39.375=3.9365079365079365079365079365079$  warehouse= $1.7392458842272968667020711630377$

Water Mitigation -

Fleet Mix - 0.41035 0.0434 0.20105 0.120272 0.016162 0.035 0.046 0.123 0 0 0.004766 0 0  
TIA

Vehicle Emission Factors - EMFAC2017 San Bernardino County (SC) 2021 with Safe Rule

Vehicle Emission Factors - EMFAC2017 San Bernardino County (SC) 2021 with Safe Rule

Vehicle Emission Factors - EMFAC2017 San Bernardino County (SC) 2021 with Safe Rule

Energy Use -

Waste Mitigation - AB 939 - divert at least 50% of solid waste from landfills

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	1.00
tblFleetMix	HHD	0.06	0.12
tblFleetMix	HHD	0.06	0.12
tblFleetMix	HHD	0.06	0.12
tblFleetMix	LDA	0.55	0.41
tblFleetMix	LDA	0.55	0.41
tblFleetMix	LDA	0.55	0.41
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblFleetMix	LDT2	0.18	0.20
tblFleetMix	LDT2	0.18	0.20
tblFleetMix	LDT2	0.18	0.20
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD2	5.4600e-003	0.04
tblFleetMix	LHD2	5.4600e-003	0.04
tblFleetMix	LHD2	5.4600e-003	0.04
tblFleetMix	MCY	6.1170e-003	4.7660e-003
tblFleetMix	MCY	6.1170e-003	4.7660e-003
tblFleetMix	MCY	6.1170e-003	4.7660e-003
tblFleetMix	MDV	0.12	0.12
tblFleetMix	MDV	0.12	0.12
tblFleetMix	MDV	0.12	0.12
tblFleetMix	MH	1.0820e-003	0.00
tblFleetMix	MH	1.0820e-003	0.00
tblFleetMix	MH	1.0820e-003	0.00
tblFleetMix	MHD	0.02	0.05
tblFleetMix	MHD	0.02	0.05
tblFleetMix	MHD	0.02	0.05
tblFleetMix	OBUS	1.3370e-003	0.00
tblFleetMix	OBUS	1.3370e-003	0.00
tblFleetMix	OBUS	1.3370e-003	0.00
tblFleetMix	SBUS	8.1700e-004	0.00
tblFleetMix	SBUS	8.1700e-004	0.00
tblFleetMix	SBUS	8.1700e-004	0.00

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblFleetMix	UBUS	1.6570e-003	0.00
tblFleetMix	UBUS	1.6570e-003	0.00
tblFleetMix	UBUS	1.6570e-003	0.00
tblLandUse	LandUseSquareFeet	39,380.00	39,375.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	546.44
tblVehicleEF	HHD	1.26	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.13	0.00
tblVehicleEF	HHD	3.65	5.64
tblVehicleEF	HHD	0.59	0.81
tblVehicleEF	HHD	2.11	4.3810e-003
tblVehicleEF	HHD	7,044.09	1,107.90
tblVehicleEF	HHD	1,507.82	1,530.36
tblVehicleEF	HHD	6.10	0.04
tblVehicleEF	HHD	29.67	6.15
tblVehicleEF	HHD	3.22	4.04
tblVehicleEF	HHD	20.18	1.89
tblVehicleEF	HHD	0.02	8.6990e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.05
tblVehicleEF	HHD	7.6000e-005	1.0000e-006
tblVehicleEF	HHD	0.02	8.3230e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8830e-003	8.8320e-003
tblVehicleEF	HHD	0.02	0.05
tblVehicleEF	HHD	7.0000e-005	1.0000e-006

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	HHD	1.0700e-004	6.0000e-006
tblVehicleEF	HHD	4.2590e-003	1.9400e-004
tblVehicleEF	HHD	0.94	0.43
tblVehicleEF	HHD	6.5000e-005	4.0000e-006
tblVehicleEF	HHD	0.09	0.13
tblVehicleEF	HHD	2.9100e-004	9.6100e-004
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	9.6000e-005	0.00
tblVehicleEF	HHD	1.0700e-004	6.0000e-006
tblVehicleEF	HHD	4.2590e-003	1.9400e-004
tblVehicleEF	HHD	1.08	0.50
tblVehicleEF	HHD	6.5000e-005	4.0000e-006
tblVehicleEF	HHD	0.14	0.28
tblVehicleEF	HHD	2.9100e-004	9.6100e-004
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	1.19	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.12	0.00
tblVehicleEF	HHD	2.66	5.49
tblVehicleEF	HHD	0.59	0.82
tblVehicleEF	HHD	1.99	4.1360e-003
tblVehicleEF	HHD	7,457.73	1,107.11
tblVehicleEF	HHD	1,507.82	1,530.36
tblVehicleEF	HHD	6.10	0.04
tblVehicleEF	HHD	30.61	6.00

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	HHD	3.03	3.82
tblVehicleEF	HHD	20.18	1.89
tblVehicleEF	HHD	0.01	8.0470e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.05
tblVehicleEF	HHD	7.6000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	7.6990e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8830e-003	8.8320e-003
tblVehicleEF	HHD	0.02	0.05
tblVehicleEF	HHD	7.0000e-005	1.0000e-006
tblVehicleEF	HHD	2.1400e-004	1.2000e-005
tblVehicleEF	HHD	4.8950e-003	2.2100e-004
tblVehicleEF	HHD	0.89	0.45
tblVehicleEF	HHD	1.5100e-004	8.0000e-006
tblVehicleEF	HHD	0.09	0.13
tblVehicleEF	HHD	2.9900e-004	9.8700e-004
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	9.4000e-005	0.00
tblVehicleEF	HHD	2.1400e-004	1.2000e-005
tblVehicleEF	HHD	4.8950e-003	2.2100e-004
tblVehicleEF	HHD	1.02	0.52
tblVehicleEF	HHD	1.5100e-004	8.0000e-006
tblVehicleEF	HHD	0.14	0.28

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	HHD	2.9900e-004	9.8700e-004
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	1.36	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.13	0.00
tblVehicleEF	HHD	5.01	5.84
tblVehicleEF	HHD	0.59	0.81
tblVehicleEF	HHD	2.07	4.3470e-003
tblVehicleEF	HHD	6,472.88	1,109.00
tblVehicleEF	HHD	1,507.82	1,530.36
tblVehicleEF	HHD	6.10	0.04
tblVehicleEF	HHD	28.37	6.35
tblVehicleEF	HHD	3.17	3.98
tblVehicleEF	HHD	20.18	1.89
tblVehicleEF	HHD	0.02	9.6000e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.05
tblVehicleEF	HHD	7.6000e-005	1.0000e-006
tblVehicleEF	HHD	0.02	9.1850e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8830e-003	8.8320e-003
tblVehicleEF	HHD	0.02	0.05
tblVehicleEF	HHD	7.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.1000e-004	7.0000e-006
tblVehicleEF	HHD	4.8700e-003	2.2700e-004
tblVehicleEF	HHD	1.01	0.41

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	HHD	6.4000e-005	4.0000e-006
tblVehicleEF	HHD	0.09	0.13
tblVehicleEF	HHD	3.1000e-004	1.0070e-003
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	9.6000e-005	0.00
tblVehicleEF	HHD	1.1000e-004	7.0000e-006
tblVehicleEF	HHD	4.8700e-003	2.2700e-004
tblVehicleEF	HHD	1.16	0.48
tblVehicleEF	HHD	6.4000e-005	4.0000e-006
tblVehicleEF	HHD	0.14	0.28
tblVehicleEF	HHD	3.1000e-004	1.0070e-003
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	LDA	5.1540e-003	2.8720e-003
tblVehicleEF	LDA	7.4770e-003	0.05
tblVehicleEF	LDA	0.66	0.73
tblVehicleEF	LDA	1.48	2.18
tblVehicleEF	LDA	271.76	271.31
tblVehicleEF	LDA	61.36	55.38
tblVehicleEF	LDA	0.06	0.04
tblVehicleEF	LDA	0.10	0.19
tblVehicleEF	LDA	1.7360e-003	1.5970e-003
tblVehicleEF	LDA	2.3270e-003	1.9420e-003
tblVehicleEF	LDA	1.6000e-003	1.4700e-003
tblVehicleEF	LDA	2.1400e-003	1.7850e-003
tblVehicleEF	LDA	0.05	0.06



## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.10	0.24
tblVehicleEF	LDA	2.7220e-003	2.6840e-003
tblVehicleEF	LDA	6.3900e-004	5.4800e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.11	0.26
tblVehicleEF	LDA	5.8790e-003	3.2410e-003
tblVehicleEF	LDA	6.2340e-003	0.05
tblVehicleEF	LDA	0.81	0.88
tblVehicleEF	LDA	1.22	1.83
tblVehicleEF	LDA	297.40	293.82
tblVehicleEF	LDA	61.36	54.72
tblVehicleEF	LDA	0.06	0.04
tblVehicleEF	LDA	0.09	0.18
tblVehicleEF	LDA	1.7360e-003	1.5970e-003
tblVehicleEF	LDA	2.3270e-003	1.9420e-003
tblVehicleEF	LDA	1.6000e-003	1.4700e-003
tblVehicleEF	LDA	2.1400e-003	1.7850e-003
tblVehicleEF	LDA	0.11	0.12
tblVehicleEF	LDA	0.14	0.12

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.08	0.21
tblVehicleEF	LDA	2.9810e-003	2.9070e-003
tblVehicleEF	LDA	6.3500e-004	5.4100e-004
tblVehicleEF	LDA	0.11	0.12
tblVehicleEF	LDA	0.14	0.12
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.09	0.23
tblVehicleEF	LDA	5.0060e-003	2.8130e-003
tblVehicleEF	LDA	7.4230e-003	0.05
tblVehicleEF	LDA	0.62	0.70
tblVehicleEF	LDA	1.46	2.18
tblVehicleEF	LDA	265.71	267.12
tblVehicleEF	LDA	61.36	55.39
tblVehicleEF	LDA	0.06	0.04
tblVehicleEF	LDA	0.10	0.19
tblVehicleEF	LDA	1.7360e-003	1.5970e-003
tblVehicleEF	LDA	2.3270e-003	1.9420e-003
tblVehicleEF	LDA	1.6000e-003	1.4700e-003
tblVehicleEF	LDA	2.1400e-003	1.7850e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.13	0.12
tblVehicleEF	LDA	0.04	0.05

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.10	0.24
tblVehicleEF	LDA	2.6610e-003	2.6430e-003
tblVehicleEF	LDA	6.3900e-004	5.4800e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.13	0.12
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.11	0.27
tblVehicleEF	LDT1	0.02	8.7920e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.88	1.72
tblVehicleEF	LDT1	4.45	2.48
tblVehicleEF	LDT1	332.44	321.83
tblVehicleEF	LDT1	74.44	67.22
tblVehicleEF	LDT1	0.20	0.15
tblVehicleEF	LDT1	0.27	0.32
tblVehicleEF	LDT1	3.0160e-003	2.5670e-003
tblVehicleEF	LDT1	4.1090e-003	3.0690e-003
tblVehicleEF	LDT1	2.7780e-003	2.3630e-003
tblVehicleEF	LDT1	3.7800e-003	2.8220e-003
tblVehicleEF	LDT1	0.21	0.21
tblVehicleEF	LDT1	0.38	0.29
tblVehicleEF	LDT1	0.14	0.00
tblVehicleEF	LDT1	0.04	0.04

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	LDT1	0.23	0.93
tblVehicleEF	LDT1	0.32	0.47
tblVehicleEF	LDT1	3.3490e-003	3.1850e-003
tblVehicleEF	LDT1	8.2300e-004	6.6500e-004
tblVehicleEF	LDT1	0.21	0.21
tblVehicleEF	LDT1	0.38	0.29
tblVehicleEF	LDT1	0.14	0.15
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.23	0.93
tblVehicleEF	LDT1	0.35	0.52
tblVehicleEF	LDT1	0.02	9.8170e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	2.25	2.04
tblVehicleEF	LDT1	3.66	2.07
tblVehicleEF	LDT1	362.07	345.31
tblVehicleEF	LDT1	74.44	66.35
tblVehicleEF	LDT1	0.18	0.13
tblVehicleEF	LDT1	0.25	0.30
tblVehicleEF	LDT1	3.0160e-003	2.5670e-003
tblVehicleEF	LDT1	4.1090e-003	3.0690e-003
tblVehicleEF	LDT1	2.7780e-003	2.3630e-003
tblVehicleEF	LDT1	3.7800e-003	2.8220e-003
tblVehicleEF	LDT1	0.42	0.39
tblVehicleEF	LDT1	0.47	0.34
tblVehicleEF	LDT1	0.30	0.00
tblVehicleEF	LDT1	0.05	0.04
tblVehicleEF	LDT1	0.23	0.92

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	LDT1	0.27	0.41
tblVehicleEF	LDT1	3.6510e-003	3.4170e-003
tblVehicleEF	LDT1	8.0900e-004	6.5700e-004
tblVehicleEF	LDT1	0.42	0.39
tblVehicleEF	LDT1	0.47	0.34
tblVehicleEF	LDT1	0.30	0.28
tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	0.23	0.92
tblVehicleEF	LDT1	0.29	0.44
tblVehicleEF	LDT1	0.02	8.6230e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.79	1.66
tblVehicleEF	LDT1	4.37	2.48
tblVehicleEF	LDT1	325.45	317.45
tblVehicleEF	LDT1	74.44	67.23
tblVehicleEF	LDT1	0.19	0.14
tblVehicleEF	LDT1	0.26	0.32
tblVehicleEF	LDT1	3.0160e-003	2.5670e-003
tblVehicleEF	LDT1	4.1090e-003	3.0690e-003
tblVehicleEF	LDT1	2.7780e-003	2.3630e-003
tblVehicleEF	LDT1	3.7800e-003	2.8220e-003
tblVehicleEF	LDT1	0.22	0.21
tblVehicleEF	LDT1	0.44	0.33
tblVehicleEF	LDT1	0.13	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.26	1.09
tblVehicleEF	LDT1	0.32	0.48

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	LDT1	3.2780e-003	3.1410e-003
tblVehicleEF	LDT1	8.2200e-004	6.6500e-004
tblVehicleEF	LDT1	0.22	0.21
tblVehicleEF	LDT1	0.44	0.33
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.26	1.09
tblVehicleEF	LDT1	0.35	0.52
tblVehicleEF	LDT2	7.5900e-003	4.9710e-003
tblVehicleEF	LDT2	0.01	0.08
tblVehicleEF	LDT2	0.92	1.09
tblVehicleEF	LDT2	2.08	2.81
tblVehicleEF	LDT2	375.03	346.08
tblVehicleEF	LDT2	84.46	72.43
tblVehicleEF	LDT2	0.11	0.10
tblVehicleEF	LDT2	0.19	0.33
tblVehicleEF	LDT2	1.7360e-003	1.6820e-003
tblVehicleEF	LDT2	2.4270e-003	2.0130e-003
tblVehicleEF	LDT2	1.5970e-003	1.5480e-003
tblVehicleEF	LDT2	2.2320e-003	1.8510e-003
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.14	0.15
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.47
tblVehicleEF	LDT2	0.14	0.36
tblVehicleEF	LDT2	3.7580e-003	3.4240e-003

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	LDT2	8.8000e-004	7.1700e-004
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.14	0.15
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.08	0.47
tblVehicleEF	LDT2	0.16	0.40
tblVehicleEF	LDT2	8.6210e-003	5.5830e-003
tblVehicleEF	LDT2	8.8260e-003	0.07
tblVehicleEF	LDT2	1.12	1.31
tblVehicleEF	LDT2	1.72	2.36
tblVehicleEF	LDT2	409.49	369.05
tblVehicleEF	LDT2	84.46	71.54
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.18	0.31
tblVehicleEF	LDT2	1.7360e-003	1.6820e-003
tblVehicleEF	LDT2	2.4270e-003	2.0130e-003
tblVehicleEF	LDT2	1.5970e-003	1.5480e-003
tblVehicleEF	LDT2	2.2320e-003	1.8510e-003
tblVehicleEF	LDT2	0.15	0.19
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.46
tblVehicleEF	LDT2	0.12	0.31
tblVehicleEF	LDT2	4.1060e-003	3.6510e-003
tblVehicleEF	LDT2	8.7400e-004	7.0800e-004

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	LDT2	0.15	0.19
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.46
tblVehicleEF	LDT2	0.13	0.34
tblVehicleEF	LDT2	7.3800e-003	4.8730e-003
tblVehicleEF	LDT2	0.01	0.08
tblVehicleEF	LDT2	0.87	1.05
tblVehicleEF	LDT2	2.04	2.82
tblVehicleEF	LDT2	366.89	341.80
tblVehicleEF	LDT2	84.46	72.45
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.19	0.33
tblVehicleEF	LDT2	1.7360e-003	1.6820e-003
tblVehicleEF	LDT2	2.4270e-003	2.0130e-003
tblVehicleEF	LDT2	1.5970e-003	1.5480e-003
tblVehicleEF	LDT2	2.2320e-003	1.8510e-003
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.16	0.17
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.09	0.55
tblVehicleEF	LDT2	0.14	0.37
tblVehicleEF	LDT2	3.6760e-003	3.3820e-003
tblVehicleEF	LDT2	8.8000e-004	7.1700e-004
tblVehicleEF	LDT2	0.07	0.10



9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	LDT2	0.16	0.17
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.09	0.55
tblVehicleEF	LDT2	0.16	0.40
tblVehicleEF	LHD1	5.6900e-003	5.2260e-003
tblVehicleEF	LHD1	0.01	6.6980e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.27	0.82
tblVehicleEF	LHD1	2.93	1.07
tblVehicleEF	LHD1	9.23	9.31
tblVehicleEF	LHD1	620.09	661.60
tblVehicleEF	LHD1	31.53	11.44
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.40	1.38
tblVehicleEF	LHD1	1.05	0.33
tblVehicleEF	LHD1	9.6100e-004	8.7500e-004
tblVehicleEF	LHD1	0.01	9.8530e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0840e-003	2.7200e-004
tblVehicleEF	LHD1	9.1900e-004	8.3700e-004
tblVehicleEF	LHD1	2.5180e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.9800e-004	2.5000e-004
tblVehicleEF	LHD1	3.8770e-003	3.2010e-003
tblVehicleEF	LHD1	0.11	0.09

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8640e-003	1.6460e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.30	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	6.0910e-003	6.4470e-003
tblVehicleEF	LHD1	3.7100e-004	1.1300e-004
tblVehicleEF	LHD1	3.8770e-003	3.2010e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8640e-003	1.6460e-003
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.33	0.09
tblVehicleEF	LHD1	5.6900e-003	5.2390e-003
tblVehicleEF	LHD1	0.02	6.8390e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.29	0.83
tblVehicleEF	LHD1	2.74	1.02
tblVehicleEF	LHD1	9.23	9.31
tblVehicleEF	LHD1	620.09	661.62
tblVehicleEF	LHD1	31.53	11.34
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.25	1.29
tblVehicleEF	LHD1	1.00	0.32

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD1	9.6100e-004	8.7500e-004
tblVehicleEF	LHD1	0.01	9.8530e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0840e-003	2.7200e-004
tblVehicleEF	LHD1	9.1900e-004	8.3700e-004
tblVehicleEF	LHD1	2.5180e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.9800e-004	2.5000e-004
tblVehicleEF	LHD1	7.6890e-003	5.7800e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.2920e-003	3.1920e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.29	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	6.0910e-003	6.4470e-003
tblVehicleEF	LHD1	3.6700e-004	1.1200e-004
tblVehicleEF	LHD1	7.6890e-003	5.7800e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.2920e-003	3.1920e-003
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.32	0.09
tblVehicleEF	LHD1	5.6900e-003	5.2270e-003
tblVehicleEF	LHD1	0.01	6.7060e-003

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.27	0.82
tblVehicleEF	LHD1	2.88	1.06
tblVehicleEF	LHD1	9.23	9.31
tblVehicleEF	LHD1	620.09	661.60
tblVehicleEF	LHD1	31.53	11.43
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.36	1.36
tblVehicleEF	LHD1	1.03	0.33
tblVehicleEF	LHD1	9.6100e-004	8.7500e-004
tblVehicleEF	LHD1	0.01	9.8530e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0840e-003	2.7200e-004
tblVehicleEF	LHD1	9.1900e-004	8.3700e-004
tblVehicleEF	LHD1	2.5180e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.9800e-004	2.5000e-004
tblVehicleEF	LHD1	4.3010e-003	3.3430e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8380e-003	1.6790e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.38	0.63
tblVehicleEF	LHD1	0.30	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	6.0910e-003	6.4470e-003

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD1	3.7000e-004	1.1300e-004
tblVehicleEF	LHD1	4.3010e-003	3.3430e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8380e-003	1.6790e-003
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.38	0.63
tblVehicleEF	LHD1	0.33	0.09
tblVehicleEF	LHD2	4.0010e-003	3.8230e-003
tblVehicleEF	LHD2	5.9170e-003	4.4730e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.63	0.54
tblVehicleEF	LHD2	1.40	0.70
tblVehicleEF	LHD2	14.35	14.19
tblVehicleEF	LHD2	619.96	675.54
tblVehicleEF	LHD2	25.37	9.01
tblVehicleEF	LHD2	0.12	0.11
tblVehicleEF	LHD2	1.91	1.49
tblVehicleEF	LHD2	0.59	0.23
tblVehicleEF	LHD2	1.3140e-003	1.2910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.6400e-004	1.4500e-004
tblVehicleEF	LHD2	1.2570e-003	1.2360e-003
tblVehicleEF	LHD2	2.6760e-003	2.6480e-003
tblVehicleEF	LHD2	0.01	0.01

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD2	4.2700e-004	1.3300e-004
tblVehicleEF	LHD2	1.5090e-003	1.7970e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.7800e-004	9.5100e-004
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.11	0.34
tblVehicleEF	LHD2	0.14	0.06
tblVehicleEF	LHD2	1.4000e-004	1.3600e-004
tblVehicleEF	LHD2	6.0350e-003	6.5320e-003
tblVehicleEF	LHD2	2.8000e-004	8.9000e-005
tblVehicleEF	LHD2	1.5090e-003	1.7970e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7800e-004	9.5100e-004
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.11	0.34
tblVehicleEF	LHD2	0.15	0.06
tblVehicleEF	LHD2	4.0010e-003	3.8330e-003
tblVehicleEF	LHD2	6.0090e-003	4.5210e-003
tblVehicleEF	LHD2	9.7620e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.63	0.55
tblVehicleEF	LHD2	1.32	0.67
tblVehicleEF	LHD2	14.35	14.19
tblVehicleEF	LHD2	619.96	675.55
tblVehicleEF	LHD2	25.37	8.94

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD2	0.12	0.11
tblVehicleEF	LHD2	1.80	1.41
tblVehicleEF	LHD2	0.57	0.22
tblVehicleEF	LHD2	1.3140e-003	1.2910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.6400e-004	1.4500e-004
tblVehicleEF	LHD2	1.2570e-003	1.2360e-003
tblVehicleEF	LHD2	2.6760e-003	2.6480e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2700e-004	1.3300e-004
tblVehicleEF	LHD2	2.9270e-003	3.2440e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.7180e-003	1.8360e-003
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.11	0.34
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	1.4000e-004	1.3600e-004
tblVehicleEF	LHD2	6.0350e-003	6.5320e-003
tblVehicleEF	LHD2	2.7800e-004	8.8000e-005
tblVehicleEF	LHD2	2.9270e-003	3.2440e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.7180e-003	1.8360e-003
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.11	0.34

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD2	0.14	0.06
tblVehicleEF	LHD2	4.0010e-003	3.8240e-003
tblVehicleEF	LHD2	5.9270e-003	4.4770e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.63	0.54
tblVehicleEF	LHD2	1.38	0.70
tblVehicleEF	LHD2	14.35	14.19
tblVehicleEF	LHD2	619.96	675.54
tblVehicleEF	LHD2	25.37	9.00
tblVehicleEF	LHD2	0.12	0.11
tblVehicleEF	LHD2	1.88	1.47
tblVehicleEF	LHD2	0.59	0.23
tblVehicleEF	LHD2	1.3140e-003	1.2910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.6400e-004	1.4500e-004
tblVehicleEF	LHD2	1.2570e-003	1.2360e-003
tblVehicleEF	LHD2	2.6760e-003	2.6480e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2700e-004	1.3300e-004
tblVehicleEF	LHD2	1.5970e-003	1.8290e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.6400e-004	9.5600e-004
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.11	0.36



## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	1.4000e-004	1.3600e-004
tblVehicleEF	LHD2	6.0350e-003	6.5320e-003
tblVehicleEF	LHD2	2.7900e-004	8.9000e-005
tblVehicleEF	LHD2	1.5970e-003	1.8290e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.6400e-004	9.5600e-004
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.11	0.36
tblVehicleEF	LHD2	0.15	0.06
tblVehicleEF	MCY	0.41	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	21.63	19.60
tblVehicleEF	MCY	9.90	8.58
tblVehicleEF	MCY	166.31	212.10
tblVehicleEF	MCY	47.31	61.05
tblVehicleEF	MCY	1.17	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.7690e-003	1.9180e-003
tblVehicleEF	MCY	3.8320e-003	3.0150e-003
tblVehicleEF	MCY	1.6590e-003	1.7950e-003
tblVehicleEF	MCY	3.6220e-003	2.8420e-003
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.86	0.80
tblVehicleEF	MCY	0.81	0.78
tblVehicleEF	MCY	2.28	2.35

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	MCY	0.51	1.97
tblVehicleEF	MCY	2.19	1.85
tblVehicleEF	MCY	2.0810e-003	2.0990e-003
tblVehicleEF	MCY	7.0000e-004	6.0400e-004
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.86	0.80
tblVehicleEF	MCY	0.81	0.78
tblVehicleEF	MCY	2.77	2.88
tblVehicleEF	MCY	0.51	1.97
tblVehicleEF	MCY	2.38	2.02
tblVehicleEF	MCY	0.41	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	21.75	19.61
tblVehicleEF	MCY	9.07	7.90
tblVehicleEF	MCY	166.31	211.94
tblVehicleEF	MCY	47.31	59.22
tblVehicleEF	MCY	1.00	0.98
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.7690e-003	1.9180e-003
tblVehicleEF	MCY	3.8320e-003	3.0150e-003
tblVehicleEF	MCY	1.6590e-003	1.7950e-003
tblVehicleEF	MCY	3.6220e-003	2.8420e-003
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.28	1.12
tblVehicleEF	MCY	2.15	1.77
tblVehicleEF	MCY	2.21	2.30
tblVehicleEF	MCY	0.50	1.94

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	MCY	1.88	1.62
tblVehicleEF	MCY	2.0810e-003	2.0970e-003
tblVehicleEF	MCY	6.7600e-004	5.8600e-004
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.28	1.12
tblVehicleEF	MCY	2.15	1.77
tblVehicleEF	MCY	2.70	2.83
tblVehicleEF	MCY	0.50	1.94
tblVehicleEF	MCY	2.05	1.77
tblVehicleEF	MCY	0.41	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	20.62	19.08
tblVehicleEF	MCY	9.51	8.41
tblVehicleEF	MCY	166.31	211.21
tblVehicleEF	MCY	47.31	60.69
tblVehicleEF	MCY	1.13	1.10
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.7690e-003	1.9180e-003
tblVehicleEF	MCY	3.8320e-003	3.0150e-003
tblVehicleEF	MCY	1.6590e-003	1.7950e-003
tblVehicleEF	MCY	3.6220e-003	2.8420e-003
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.15	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.24	2.33
tblVehicleEF	MCY	0.57	2.24
tblVehicleEF	MCY	2.11	1.82

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	MCY	2.0640e-003	2.0900e-003
tblVehicleEF	MCY	6.9100e-004	6.0100e-004
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.15	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.73	2.86
tblVehicleEF	MCY	0.57	2.24
tblVehicleEF	MCY	2.30	1.98
tblVehicleEF	MDV	0.02	6.4810e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.73	1.30
tblVehicleEF	MDV	3.93	3.43
tblVehicleEF	MDV	510.99	426.46
tblVehicleEF	MDV	113.32	89.79
tblVehicleEF	MDV	0.22	0.13
tblVehicleEF	MDV	0.39	0.42
tblVehicleEF	MDV	1.8900e-003	1.7780e-003
tblVehicleEF	MDV	2.6570e-003	2.1460e-003
tblVehicleEF	MDV	1.7440e-003	1.6400e-003
tblVehicleEF	MDV	2.4460e-003	1.9750e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.51
tblVehicleEF	MDV	0.31	0.48
tblVehicleEF	MDV	5.1260e-003	4.2170e-003

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	MDV	1.2030e-003	8.8900e-004
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.21	0.18
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.11	0.51
tblVehicleEF	MDV	0.34	0.53
tblVehicleEF	MDV	0.02	7.2390e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	2.07	1.54
tblVehicleEF	MDV	3.28	2.88
tblVehicleEF	MDV	556.34	450.72
tblVehicleEF	MDV	113.32	88.68
tblVehicleEF	MDV	0.20	0.11
tblVehicleEF	MDV	0.37	0.39
tblVehicleEF	MDV	1.8900e-003	1.7780e-003
tblVehicleEF	MDV	2.6570e-003	2.1460e-003
tblVehicleEF	MDV	1.7440e-003	1.6400e-003
tblVehicleEF	MDV	2.4460e-003	1.9750e-003
tblVehicleEF	MDV	0.21	0.22
tblVehicleEF	MDV	0.25	0.20
tblVehicleEF	MDV	0.18	0.19
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.26	0.41
tblVehicleEF	MDV	5.5850e-003	4.4570e-003
tblVehicleEF	MDV	1.1910e-003	8.7800e-004

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	MDV	0.21	0.22
tblVehicleEF	MDV	0.25	0.20
tblVehicleEF	MDV	0.18	0.19
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.29	0.45
tblVehicleEF	MDV	0.01	6.3480e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.63	1.25
tblVehicleEF	MDV	3.86	3.44
tblVehicleEF	MDV	500.39	421.93
tblVehicleEF	MDV	113.32	89.81
tblVehicleEF	MDV	0.21	0.12
tblVehicleEF	MDV	0.39	0.41
tblVehicleEF	MDV	1.8900e-003	1.7780e-003
tblVehicleEF	MDV	2.6570e-003	2.1460e-003
tblVehicleEF	MDV	1.7440e-003	1.6400e-003
tblVehicleEF	MDV	2.4460e-003	1.9750e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.59
tblVehicleEF	MDV	0.31	0.48
tblVehicleEF	MDV	5.0190e-003	4.1720e-003
tblVehicleEF	MDV	1.2020e-003	8.8900e-004
tblVehicleEF	MDV	0.10	0.11

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.13	0.59
tblVehicleEF	MDV	0.34	0.53
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	4.29	1.54
tblVehicleEF	MH	7.50	2.24
tblVehicleEF	MH	1,044.38	1,507.66
tblVehicleEF	MH	61.75	19.53
tblVehicleEF	MH	1.73	1.53
tblVehicleEF	MH	0.99	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.5070e-003	2.7100e-004
tblVehicleEF	MH	3.2190e-003	3.2700e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.3940e-003	2.4900e-004
tblVehicleEF	MH	1.65	1.22
tblVehicleEF	MH	0.10	0.07
tblVehicleEF	MH	0.56	0.44
tblVehicleEF	MH	0.14	0.07
tblVehicleEF	MH	0.03	1.62
tblVehicleEF	MH	0.45	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.4900e-004	1.9300e-004

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	MH	1.65	1.22
tblVehicleEF	MH	0.10	0.07
tblVehicleEF	MH	0.56	0.44
tblVehicleEF	MH	0.19	0.10
tblVehicleEF	MH	0.03	1.62
tblVehicleEF	MH	0.49	0.11
tblVehicleEF	MH	0.05	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	4.46	1.58
tblVehicleEF	MH	6.85	2.08
tblVehicleEF	MH	1,044.38	1,507.73
tblVehicleEF	MH	61.75	19.26
tblVehicleEF	MH	1.58	1.42
tblVehicleEF	MH	0.94	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.5070e-003	2.7100e-004
tblVehicleEF	MH	3.2190e-003	3.2700e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.3940e-003	2.4900e-004
tblVehicleEF	MH	3.30	2.17
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	1.37	0.88
tblVehicleEF	MH	0.14	0.07
tblVehicleEF	MH	0.03	1.61
tblVehicleEF	MH	0.42	0.10
tblVehicleEF	MH	0.01	0.01



9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	MH	7.3800e-004	1.9100e-004
tblVehicleEF	MH	3.30	2.17
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	1.37	0.88
tblVehicleEF	MH	0.20	0.10
tblVehicleEF	MH	0.03	1.61
tblVehicleEF	MH	0.46	0.11
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	4.28	1.54
tblVehicleEF	MH	7.39	2.24
tblVehicleEF	MH	1,044.38	1,507.66
tblVehicleEF	MH	61.75	19.53
tblVehicleEF	MH	1.69	1.50
tblVehicleEF	MH	0.97	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.5070e-003	2.7100e-004
tblVehicleEF	MH	3.2190e-003	3.2700e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.3940e-003	2.4900e-004
tblVehicleEF	MH	2.00	1.37
tblVehicleEF	MH	0.13	0.09
tblVehicleEF	MH	0.59	0.47
tblVehicleEF	MH	0.14	0.07
tblVehicleEF	MH	0.03	1.71
tblVehicleEF	MH	0.44	0.10

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.4700e-004	1.9300e-004
tblVehicleEF	MH	2.00	1.37
tblVehicleEF	MH	0.13	0.09
tblVehicleEF	MH	0.59	0.47
tblVehicleEF	MH	0.19	0.10
tblVehicleEF	MH	0.03	1.71
tblVehicleEF	MH	0.49	0.11
tblVehicleEF	MHD	0.02	2.5780e-003
tblVehicleEF	MHD	6.5200e-003	5.9780e-003
tblVehicleEF	MHD	0.06	6.7400e-003
tblVehicleEF	MHD	0.41	0.31
tblVehicleEF	MHD	0.48	0.52
tblVehicleEF	MHD	6.64	0.79
tblVehicleEF	MHD	157.61	71.13
tblVehicleEF	MHD	1,102.10	1,006.19
tblVehicleEF	MHD	54.49	6.51
tblVehicleEF	MHD	0.99	0.62
tblVehicleEF	MHD	1.67	2.32
tblVehicleEF	MHD	11.76	1.28
tblVehicleEF	MHD	2.8010e-003	2.0960e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	8.7800e-004	8.0000e-005
tblVehicleEF	MHD	2.6800e-003	2.0050e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	8.0700e-004	7.3000e-005
tblVehicleEF	MHD	1.5850e-003	5.0000e-004

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.7500e-004	2.5900e-004
tblVehicleEF	MHD	0.08	0.11
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.40	0.04
tblVehicleEF	MHD	1.5150e-003	6.7400e-004
tblVehicleEF	MHD	0.01	9.5620e-003
tblVehicleEF	MHD	6.6100e-004	6.4000e-005
tblVehicleEF	MHD	1.5850e-003	5.0000e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	7.7500e-004	2.5900e-004
tblVehicleEF	MHD	0.09	0.13
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.44	0.04
tblVehicleEF	MHD	0.02	2.4500e-003
tblVehicleEF	MHD	6.6290e-003	6.0070e-003
tblVehicleEF	MHD	0.06	6.4700e-003
tblVehicleEF	MHD	0.29	0.26
tblVehicleEF	MHD	0.49	0.52
tblVehicleEF	MHD	6.20	0.75
tblVehicleEF	MHD	166.94	72.33
tblVehicleEF	MHD	1,102.10	1,006.20
tblVehicleEF	MHD	54.49	6.44
tblVehicleEF	MHD	1.02	0.63
tblVehicleEF	MHD	1.57	2.18

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	MHD	11.71	1.28
tblVehicleEF	MHD	2.3620e-003	1.7700e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	8.7800e-004	8.0000e-005
tblVehicleEF	MHD	2.2590e-003	1.6930e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	8.0700e-004	7.3000e-005
tblVehicleEF	MHD	3.1650e-003	9.1700e-004
tblVehicleEF	MHD	0.06	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.8350e-003	5.2200e-004
tblVehicleEF	MHD	0.08	0.11
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.38	0.03
tblVehicleEF	MHD	1.6030e-003	6.8500e-004
tblVehicleEF	MHD	0.01	9.5630e-003
tblVehicleEF	MHD	6.5400e-004	6.4000e-005
tblVehicleEF	MHD	3.1650e-003	9.1700e-004
tblVehicleEF	MHD	0.06	0.02
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	1.8350e-003	5.2200e-004
tblVehicleEF	MHD	0.09	0.13
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.42	0.04
tblVehicleEF	MHD	0.02	2.7650e-003
tblVehicleEF	MHD	6.5300e-003	5.9780e-003
tblVehicleEF	MHD	0.06	6.6910e-003

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	MHD	0.56	0.38
tblVehicleEF	MHD	0.48	0.52
tblVehicleEF	MHD	6.52	0.78
tblVehicleEF	MHD	144.70	69.48
tblVehicleEF	MHD	1,102.10	1,006.19
tblVehicleEF	MHD	54.49	6.50
tblVehicleEF	MHD	0.94	0.61
tblVehicleEF	MHD	1.64	2.28
tblVehicleEF	MHD	11.75	1.28
tblVehicleEF	MHD	3.4090e-003	2.5470e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	8.7800e-004	8.0000e-005
tblVehicleEF	MHD	3.2610e-003	2.4370e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	8.0700e-004	7.3000e-005
tblVehicleEF	MHD	1.7730e-003	5.2700e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.6800e-004	2.6500e-004
tblVehicleEF	MHD	0.08	0.11
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.40	0.04
tblVehicleEF	MHD	1.3930e-003	6.5800e-004
tblVehicleEF	MHD	0.01	9.5620e-003
tblVehicleEF	MHD	6.5900e-004	6.4000e-005
tblVehicleEF	MHD	1.7730e-003	5.2700e-004
tblVehicleEF	MHD	0.05	0.02

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	7.6800e-004	2.6500e-004
tblVehicleEF	MHD	0.09	0.13
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.43	0.04
tblVehicleEF	OBUS	0.01	9.0870e-003
tblVehicleEF	OBUS	0.01	8.8680e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.53
tblVehicleEF	OBUS	0.84	0.98
tblVehicleEF	OBUS	7.08	2.51
tblVehicleEF	OBUS	69.66	78.17
tblVehicleEF	OBUS	1,125.58	1,439.48
tblVehicleEF	OBUS	71.49	20.77
tblVehicleEF	OBUS	0.36	0.46
tblVehicleEF	OBUS	1.31	1.64
tblVehicleEF	OBUS	2.03	0.63
tblVehicleEF	OBUS	1.6600e-004	1.7960e-003
tblVehicleEF	OBUS	6.3680e-003	0.03
tblVehicleEF	OBUS	9.0100e-004	2.1800e-004
tblVehicleEF	OBUS	1.5900e-004	1.7180e-003
tblVehicleEF	OBUS	6.0730e-003	0.03
tblVehicleEF	OBUS	8.2900e-004	2.0000e-004
tblVehicleEF	OBUS	2.2890e-003	2.6450e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	9.6000e-004	1.1230e-003

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.44	0.12
tblVehicleEF	OBUS	6.7700e-004	7.4500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.3900e-004	2.0500e-004
tblVehicleEF	OBUS	2.2890e-003	2.6450e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.6000e-004	1.1230e-003
tblVehicleEF	OBUS	0.07	0.11
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.48	0.13
tblVehicleEF	OBUS	0.01	9.1120e-003
tblVehicleEF	OBUS	0.01	9.0270e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.50
tblVehicleEF	OBUS	0.86	0.99
tblVehicleEF	OBUS	6.48	2.33
tblVehicleEF	OBUS	72.76	78.62
tblVehicleEF	OBUS	1,125.58	1,439.51
tblVehicleEF	OBUS	71.49	20.47
tblVehicleEF	OBUS	0.37	0.46
tblVehicleEF	OBUS	1.21	1.53
tblVehicleEF	OBUS	1.97	0.62
tblVehicleEF	OBUS	1.4000e-004	1.5180e-003
tblVehicleEF	OBUS	6.3680e-003	0.03

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	OBUS	9.0100e-004	2.1800e-004
tblVehicleEF	OBUS	1.3400e-004	1.4520e-003
tblVehicleEF	OBUS	6.0730e-003	0.03
tblVehicleEF	OBUS	8.2900e-004	2.0000e-004
tblVehicleEF	OBUS	4.4650e-003	4.7740e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	2.2300e-003	2.2390e-003
tblVehicleEF	OBUS	0.06	0.09
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.41	0.12
tblVehicleEF	OBUS	7.0700e-004	7.4900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2900e-004	2.0300e-004
tblVehicleEF	OBUS	4.4650e-003	4.7740e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.2300e-003	2.2390e-003
tblVehicleEF	OBUS	0.07	0.11
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.45	0.13
tblVehicleEF	OBUS	0.01	9.0830e-003
tblVehicleEF	OBUS	0.01	8.8720e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.29	0.56
tblVehicleEF	OBUS	0.84	0.98
tblVehicleEF	OBUS	7.02	2.51



## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	OBUS	65.38	77.54
tblVehicleEF	OBUS	1,125.58	1,439.48
tblVehicleEF	OBUS	71.49	20.78
tblVehicleEF	OBUS	0.35	0.46
tblVehicleEF	OBUS	1.28	1.61
tblVehicleEF	OBUS	2.01	0.62
tblVehicleEF	OBUS	2.0300e-004	2.1800e-003
tblVehicleEF	OBUS	6.3680e-003	0.03
tblVehicleEF	OBUS	9.0100e-004	2.1800e-004
tblVehicleEF	OBUS	1.9400e-004	2.0860e-003
tblVehicleEF	OBUS	6.0730e-003	0.03
tblVehicleEF	OBUS	8.2900e-004	2.0000e-004
tblVehicleEF	OBUS	2.4760e-003	2.8110e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	9.7500e-004	1.1780e-003
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.06	0.30
tblVehicleEF	OBUS	0.44	0.12
tblVehicleEF	OBUS	6.3600e-004	7.3900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.3800e-004	2.0600e-004
tblVehicleEF	OBUS	2.4760e-003	2.8110e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.7500e-004	1.1780e-003
tblVehicleEF	OBUS	0.07	0.11

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	OBUS	0.06	0.30
tblVehicleEF	OBUS	0.48	0.13
tblVehicleEF	SBUS	0.87	0.06
tblVehicleEF	SBUS	0.01	9.3510e-003
tblVehicleEF	SBUS	0.08	6.0110e-003
tblVehicleEF	SBUS	5.54	2.44
tblVehicleEF	SBUS	0.77	0.85
tblVehicleEF	SBUS	5.64	0.82
tblVehicleEF	SBUS	1,282.62	346.38
tblVehicleEF	SBUS	1,152.18	1,125.90
tblVehicleEF	SBUS	35.03	4.74
tblVehicleEF	SBUS	13.20	3.40
tblVehicleEF	SBUS	5.57	5.50
tblVehicleEF	SBUS	15.44	0.84
tblVehicleEF	SBUS	0.02	4.8620e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0700e-004	4.1000e-005
tblVehicleEF	SBUS	0.01	4.6520e-003
tblVehicleEF	SBUS	2.7710e-003	2.7030e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6600e-004	3.8000e-005
tblVehicleEF	SBUS	3.3280e-003	1.3250e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.67	0.28
tblVehicleEF	SBUS	1.3510e-003	6.0000e-004
tblVehicleEF	SBUS	0.12	0.11

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.29	0.03
tblVehicleEF	SBUS	0.01	3.3010e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.4800e-004	4.7000e-005
tblVehicleEF	SBUS	3.3280e-003	1.3250e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.95	0.39
tblVehicleEF	SBUS	1.3510e-003	6.0000e-004
tblVehicleEF	SBUS	0.15	0.14
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.32	0.04
tblVehicleEF	SBUS	0.87	0.06
tblVehicleEF	SBUS	0.01	9.4940e-003
tblVehicleEF	SBUS	0.06	5.0320e-003
tblVehicleEF	SBUS	5.38	2.40
tblVehicleEF	SBUS	0.78	0.87
tblVehicleEF	SBUS	3.86	0.59
tblVehicleEF	SBUS	1,348.56	354.98
tblVehicleEF	SBUS	1,152.18	1,125.93
tblVehicleEF	SBUS	35.03	4.36
tblVehicleEF	SBUS	13.63	3.47
tblVehicleEF	SBUS	5.22	5.16
tblVehicleEF	SBUS	15.41	0.83
tblVehicleEF	SBUS	0.01	4.1060e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	SBUS	5.0700e-004	4.1000e-005
tblVehicleEF	SBUS	0.01	3.9280e-003
tblVehicleEF	SBUS	2.7710e-003	2.7030e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6600e-004	3.8000e-005
tblVehicleEF	SBUS	6.4210e-003	2.3540e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	0.66	0.28
tblVehicleEF	SBUS	3.0640e-003	1.1400e-003
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.07
tblVehicleEF	SBUS	0.24	0.03
tblVehicleEF	SBUS	0.01	3.3820e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.1800e-004	4.3000e-005
tblVehicleEF	SBUS	6.4210e-003	2.3540e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	0.95	0.39
tblVehicleEF	SBUS	3.0640e-003	1.1400e-003
tblVehicleEF	SBUS	0.15	0.14
tblVehicleEF	SBUS	0.01	0.07
tblVehicleEF	SBUS	0.26	0.03
tblVehicleEF	SBUS	0.88	0.06
tblVehicleEF	SBUS	0.01	9.3430e-003
tblVehicleEF	SBUS	0.08	6.1930e-003
tblVehicleEF	SBUS	5.77	2.50
tblVehicleEF	SBUS	0.77	0.85

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	SBUS	5.69	0.86
tblVehicleEF	SBUS	1,191.56	334.50
tblVehicleEF	SBUS	1,152.18	1,125.90
tblVehicleEF	SBUS	35.03	4.80
tblVehicleEF	SBUS	12.62	3.29
tblVehicleEF	SBUS	5.48	5.42
tblVehicleEF	SBUS	15.44	0.84
tblVehicleEF	SBUS	0.02	5.9060e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0700e-004	4.1000e-005
tblVehicleEF	SBUS	0.02	5.6510e-003
tblVehicleEF	SBUS	2.7710e-003	2.7030e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6600e-004	3.8000e-005
tblVehicleEF	SBUS	3.5990e-003	1.3400e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	0.67	0.28
tblVehicleEF	SBUS	1.3510e-003	6.1900e-004
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.02	0.09
tblVehicleEF	SBUS	0.30	0.04
tblVehicleEF	SBUS	0.01	3.1880e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.4900e-004	4.8000e-005
tblVehicleEF	SBUS	3.5990e-003	1.3400e-003
tblVehicleEF	SBUS	0.03	0.01

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	SBUS	0.96	0.40
tblVehicleEF	SBUS	1.3510e-003	6.1900e-004
tblVehicleEF	SBUS	0.15	0.14
tblVehicleEF	SBUS	0.02	0.09
tblVehicleEF	SBUS	0.33	0.04
tblVehicleEF	UBUS	2.06	4.45
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	10.29	34.75
tblVehicleEF	UBUS	15.37	0.93
tblVehicleEF	UBUS	1,878.06	1,692.28
tblVehicleEF	UBUS	133.67	11.84
tblVehicleEF	UBUS	7.05	0.38
tblVehicleEF	UBUS	13.97	0.14
tblVehicleEF	UBUS	0.53	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.08	2.6530e-003
tblVehicleEF	UBUS	1.3540e-003	1.4100e-004
tblVehicleEF	UBUS	0.23	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.08	2.5270e-003
tblVehicleEF	UBUS	1.2450e-003	1.3000e-004
tblVehicleEF	UBUS	8.7400e-003	1.0750e-003
tblVehicleEF	UBUS	0.13	7.9950e-003
tblVehicleEF	UBUS	4.1930e-003	6.3000e-004
tblVehicleEF	UBUS	0.72	0.07
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.23	0.04

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	UBUS	0.01	3.0270e-003
tblVehicleEF	UBUS	1.6160e-003	1.1700e-004
tblVehicleEF	UBUS	8.7400e-003	1.0750e-003
tblVehicleEF	UBUS	0.13	7.9950e-003
tblVehicleEF	UBUS	4.1930e-003	6.3000e-004
tblVehicleEF	UBUS	2.85	4.54
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.34	0.04
tblVehicleEF	UBUS	2.07	4.45
tblVehicleEF	UBUS	0.08	9.3650e-003
tblVehicleEF	UBUS	10.40	34.75
tblVehicleEF	UBUS	12.59	0.79
tblVehicleEF	UBUS	1,878.06	1,692.28
tblVehicleEF	UBUS	133.67	11.61
tblVehicleEF	UBUS	6.56	0.38
tblVehicleEF	UBUS	13.85	0.14
tblVehicleEF	UBUS	0.53	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.08	2.6530e-003
tblVehicleEF	UBUS	1.3540e-003	1.4100e-004
tblVehicleEF	UBUS	0.23	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.08	2.5270e-003
tblVehicleEF	UBUS	1.2450e-003	1.3000e-004
tblVehicleEF	UBUS	0.02	1.9730e-003
tblVehicleEF	UBUS	0.16	9.6930e-003
tblVehicleEF	UBUS	9.9910e-003	1.3010e-003

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	UBUS	0.73	0.07
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.09	0.03
tblVehicleEF	UBUS	0.01	3.0270e-003
tblVehicleEF	UBUS	1.5680e-003	1.1500e-004
tblVehicleEF	UBUS	0.02	1.9730e-003
tblVehicleEF	UBUS	0.16	9.6930e-003
tblVehicleEF	UBUS	9.9910e-003	1.3010e-003
tblVehicleEF	UBUS	2.87	4.54
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.20	0.04
tblVehicleEF	UBUS	2.06	4.45
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	10.30	34.75
tblVehicleEF	UBUS	14.85	0.94
tblVehicleEF	UBUS	1,878.06	1,692.28
tblVehicleEF	UBUS	133.67	11.87
tblVehicleEF	UBUS	6.92	0.38
tblVehicleEF	UBUS	13.95	0.14
tblVehicleEF	UBUS	0.53	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.08	2.6530e-003
tblVehicleEF	UBUS	1.3540e-003	1.4100e-004
tblVehicleEF	UBUS	0.23	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.08	2.5270e-003
tblVehicleEF	UBUS	1.2450e-003	1.3000e-004



## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleEF	UBUS	0.01	1.1090e-003
tblVehicleEF	UBUS	0.16	9.1160e-003
tblVehicleEF	UBUS	4.4110e-003	6.4000e-004
tblVehicleEF	UBUS	0.72	0.07
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.21	0.04
tblVehicleEF	UBUS	0.01	3.0270e-003
tblVehicleEF	UBUS	1.6070e-003	1.1700e-004
tblVehicleEF	UBUS	0.01	1.1090e-003
tblVehicleEF	UBUS	0.16	9.1160e-003
tblVehicleEF	UBUS	4.4110e-003	6.4000e-004
tblVehicleEF	UBUS	2.86	4.54
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.32	0.04
tblVehicleTrips	CNW_TL	6.90	25.00
tblVehicleTrips	CNW_TL	6.90	25.00
tblVehicleTrips	CNW_TTP	41.00	20.00
tblVehicleTrips	CW_TTP	59.00	80.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

tblVehicleTrips	ST_TR	2.46	9.78
tblVehicleTrips	ST_TR	1.49	3.94
tblVehicleTrips	ST_TR	1.68	1.74
tblVehicleTrips	SU_TR	1.05	9.78
tblVehicleTrips	SU_TR	0.62	3.94
tblVehicleTrips	SU_TR	1.68	1.74
tblVehicleTrips	WD_TR	11.03	9.78
tblVehicleTrips	WD_TR	3.82	3.94
tblVehicleTrips	WD_TR	1.68	1.74

**2.0 Emissions Summary**

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9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.8350	2.6000e-004	0.0276	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0589	0.0589	1.6000e-004		0.0628
Energy	0.0433	0.3934	0.3304	2.3600e-003		0.0299	0.0299		0.0299	0.0299		472.0272	472.0272	9.0500e-003	8.6500e-003	474.8322
Mobile	1.4004	10.3852	14.6634	0.0632	4.5489	0.1486	4.6975	1.2251	0.1415	1.3666		6,677.5691	6,677.5691	0.3392		6,686.0502
<b>Total</b>	<b>4.2787</b>	<b>10.7788</b>	<b>15.0214</b>	<b>0.0656</b>	<b>4.5489</b>	<b>0.1786</b>	<b>4.7275</b>	<b>1.2251</b>	<b>0.1715</b>	<b>1.3966</b>		<b>7,149.6551</b>	<b>7,149.6551</b>	<b>0.3485</b>	<b>8.6500e-003</b>	<b>7,160.9452</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.8350	2.6000e-004	0.0276	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0589	0.0589	1.6000e-004		0.0628
Energy	0.0433	0.3934	0.3304	2.3600e-003		0.0299	0.0299		0.0299	0.0299		472.0272	472.0272	9.0500e-003	8.6500e-003	474.8322
Mobile	1.4004	10.3852	14.6634	0.0632	4.5489	0.1486	4.6975	1.2251	0.1415	1.3666		6,677.5691	6,677.5691	0.3392		6,686.0502
<b>Total</b>	<b>4.2787</b>	<b>10.7788</b>	<b>15.0214</b>	<b>0.0656</b>	<b>4.5489</b>	<b>0.1786</b>	<b>4.7275</b>	<b>1.2251</b>	<b>0.1715</b>	<b>1.3966</b>		<b>7,149.6551</b>	<b>7,149.6551</b>	<b>0.3485</b>	<b>8.6500e-003</b>	<b>7,160.9452</b>

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

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

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	11/13/2019	11/13/2019	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 3.33

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

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

#### Trips and VMT

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	112.00	44.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

**3.2 Building Construction - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>		<b>1.2899</b>	<b>1.2899</b>		<b>1.2127</b>	<b>1.2127</b>		<b>2,591.580 2</b>	<b>2,591.580 2</b>	<b>0.6313</b>		<b>2,607.363 5</b>

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

**3.2 Building Construction - 2019**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1657	5.0374	1.1847	0.0116	0.2818	0.0321	0.3139	0.0812	0.0307	0.1119		1,218.5758	1,218.5758	0.0945		1,220.9392
Worker	0.6630	0.4651	4.5972	0.0118	1.2519	8.4200e-003	1.2603	0.3320	7.7500e-003	0.3398		1,171.9462	1,171.9462	0.0385		1,172.9074
<b>Total</b>	<b>0.8287</b>	<b>5.5024</b>	<b>5.7818</b>	<b>0.0233</b>	<b>1.5337</b>	<b>0.0405</b>	<b>1.5742</b>	<b>0.4132</b>	<b>0.0385</b>	<b>0.4516</b>		<b>2,390.5220</b>	<b>2,390.5220</b>	<b>0.1330</b>		<b>2,393.8466</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>		<b>1.2899</b>	<b>1.2899</b>		<b>1.2127</b>	<b>1.2127</b>	<b>0.0000</b>	<b>2,591.5802</b>	<b>2,591.5802</b>	<b>0.6313</b>		<b>2,607.3635</b>

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

**3.2 Building Construction - 2019**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1657	5.0374	1.1847	0.0116	0.2818	0.0321	0.3139	0.0812	0.0307	0.1119		1,218.5758	1,218.5758	0.0945		1,220.9392
Worker	0.6630	0.4651	4.5972	0.0118	1.2519	8.4200e-003	1.2603	0.3320	7.7500e-003	0.3398		1,171.9462	1,171.9462	0.0385		1,172.9074
<b>Total</b>	<b>0.8287</b>	<b>5.5024</b>	<b>5.7818</b>	<b>0.0233</b>	<b>1.5337</b>	<b>0.0405</b>	<b>1.5742</b>	<b>0.4132</b>	<b>0.0385</b>	<b>0.4516</b>		<b>2,390.5220</b>	<b>2,390.5220</b>	<b>0.1330</b>		<b>2,393.8466</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**



9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.4004	10.3852	14.6634	0.0632	4.5489	0.1486	4.6975	1.2251	0.1415	1.3666		6,677.569 1	6,677.569 1	0.3392		6,686.050 2
Unmitigated	1.4004	10.3852	14.6634	0.0632	4.5489	0.1486	4.6975	1.2251	0.1415	1.3666		6,677.569 1	6,677.569 1	0.3392		6,686.050 2

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	91.00	91.00	91.00	358,435	358,435
Manufacturing	155.02	155.02	155.02	868,753	868,753
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	131.00	131.00	131.00	871,664	871,664
Total	377.02	377.02	377.02	2,098,851	2,098,851

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	100	0	0
Manufacturing	16.60	8.40	25.00	59.00	28.00	13.00	100	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	25.00	80.00	0.00	20.00	100	0	0

4.4 Fleet Mix

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.410350	0.043400	0.201050	0.120272	0.016162	0.035000	0.046000	0.123000	0.000000	0.000000	0.004766	0.000000	0.000000
Manufacturing	0.410350	0.043400	0.201050	0.120272	0.016162	0.035000	0.046000	0.123000	0.000000	0.000000	0.004766	0.000000	0.000000
Parking Lot	0.546179	0.037976	0.179086	0.122965	0.018430	0.005460	0.017497	0.061396	0.001337	0.001657	0.006117	0.000817	0.001082
Unrefrigerated Warehouse-No Rail	0.410350	0.043400	0.201050	0.120272	0.016162	0.035000	0.046000	0.123000	0.000000	0.000000	0.004766	0.000000	0.000000

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0433	0.3934	0.3304	2.3600e-003		0.0299	0.0299		0.0299	0.0299		472.0272	472.0272	9.0500e-003	8.6500e-003	474.8322
NaturalGas Unmitigated	0.0433	0.3934	0.3304	2.3600e-003		0.0299	0.0299		0.0299	0.0299		472.0272	472.0272	9.0500e-003	8.6500e-003	474.8322

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	88.4137	9.5000e-004	8.6700e-003	7.2800e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004		10.4016	10.4016	2.0000e-004	1.9000e-004	10.4634
Manufacturing	3504.91	0.0378	0.3436	0.2886	2.0600e-003		0.0261	0.0261		0.0261	0.0261		412.3429	412.3429	7.9000e-003	7.5600e-003	414.7932
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	418.903	4.5200e-003	0.0411	0.0345	2.5000e-004		3.1200e-003	3.1200e-003		3.1200e-003	3.1200e-003		49.2827	49.2827	9.4000e-004	9.0000e-004	49.5756
<b>Total</b>		<b>0.0433</b>	<b>0.3934</b>	<b>0.3304</b>	<b>2.3600e-003</b>		<b>0.0299</b>	<b>0.0299</b>		<b>0.0299</b>	<b>0.0299</b>		<b>472.0272</b>	<b>472.0272</b>	<b>9.0400e-003</b>	<b>8.6500e-003</b>	<b>474.8322</b>

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	0.0884137	9.5000e-004	8.6700e-003	7.2800e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004		10.4016	10.4016	2.0000e-004	1.9000e-004	10.4634
Manufacturing	3.50491	0.0378	0.3436	0.2886	2.0600e-003		0.0261	0.0261		0.0261	0.0261		412.3429	412.3429	7.9000e-003	7.5600e-003	414.7932
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0.418903	4.5200e-003	0.0411	0.0345	2.5000e-004		3.1200e-003	3.1200e-003		3.1200e-003	3.1200e-003		49.2827	49.2827	9.4000e-004	9.0000e-004	49.5756
<b>Total</b>		<b>0.0433</b>	<b>0.3934</b>	<b>0.3304</b>	<b>2.3600e-003</b>		<b>0.0299</b>	<b>0.0299</b>		<b>0.0299</b>	<b>0.0299</b>		<b>472.0272</b>	<b>472.0272</b>	<b>9.0400e-003</b>	<b>8.6500e-003</b>	<b>474.8322</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.8350	2.6000e-004	0.0276	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0589	0.0589	1.6000e-004		0.0628
Unmitigated	2.8350	2.6000e-004	0.0276	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0589	0.0589	1.6000e-004		0.0628

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3260					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.5065					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.6000e-003	2.6000e-004	0.0276	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0589	0.0589	1.6000e-004		0.0628
<b>Total</b>	<b>2.8350</b>	<b>2.6000e-004</b>	<b>0.0276</b>	<b>0.0000</b>		<b>1.0000e-004</b>	<b>1.0000e-004</b>		<b>1.0000e-004</b>	<b>1.0000e-004</b>		<b>0.0589</b>	<b>0.0589</b>	<b>1.6000e-004</b>		<b>0.0628</b>

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3260					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.5065					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.6000e-003	2.6000e-004	0.0276	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0589	0.0589	1.6000e-004		0.0628
<b>Total</b>	<b>2.8350</b>	<b>2.6000e-004</b>	<b>0.0276</b>	<b>0.0000</b>		<b>1.0000e-004</b>	<b>1.0000e-004</b>		<b>1.0000e-004</b>	<b>1.0000e-004</b>		<b>0.0589</b>	<b>0.0589</b>	<b>1.6000e-004</b>		<b>0.0628</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

**9.0 Operational Offroad**

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

**10.0 Stationary Equipment**

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Winter

**Fire Pumps and Emergency Generators**

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

**Boilers**

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

**User Defined Equipment**

Equipment Type	Number
----------------	--------

**11.0 Vegetation**

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Greenhouse Gas Emissions Assessment  
9<sup>th</sup> Street and Vineyard Avenue Warehouse Project  
City of Rancho Cucamonga, California

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Appendix A: Greenhouse Gas Emissions Data

**LIST OF ABBREVIATED TERMS**

AB	Assembly Bill
CARB	California Air Resource Board
CCR	California Code of Regulations
CalEEMod	California Emissions Estimator Model
CEQA	California Environmental Quality Act
CALGreen Code	California Green Building Standards Code
CPUC	California Public Utilities Commission
CO <sub>2</sub>	carbon dioxide
CO <sub>2</sub> e	carbon dioxide equivalent
CFC	Chlorofluorocarbon
CPP	Clean Power Plan
CCSP	Climate Change Scoping Plan
cy	cubic yard
EPA	Environmental Protection Agency
FCAA	Federal Clean Air Act
FR	Federal Register
GHG	greenhouse gas
HCFC	Hydrochlorofluorocarbon
HFC	Hydrofluorocarbon
LCFS	Low Carbon Fuel Standard
CH <sub>4</sub>	Methane
MMTCO <sub>2</sub> e	million metric tons of carbon dioxide equivalent
MTCO <sub>2</sub> e	metric tons of carbon dioxide equivalent
NHTSA	National Highway Traffic Safety Administration
NF <sub>3</sub>	nitrogen trifluoride
N <sub>2</sub> O	nitrous oxide
PFC	Perfluorocarbon
RTP/SCS	Regional Transportation Plan/Sustainable Communities Strategy
SB	Senate Bill
SCAB	South Coast Air Basin
SCAQMD	South Coast Air Quality Management District
SCAG	Southern California Association of Government
Sf	square foot
SF <sub>6</sub>	sulfur hexafluoride
TAC	toxic air contaminants

## 1 INTRODUCTION

This report documents the results of a Greenhouse Gas (GHG) Emissions Assessment completed for the 9<sup>th</sup> Street and Vineyard Avenue Warehouse Project. The purpose of this GHG Emissions Assessment is to evaluate the potential construction and operational emissions associated with the Project and determine the level of impact the Project would have on the environment.

### 1.1 PROJECT LOCATION

The Project site is located south of E. 9<sup>th</sup> Street, directly west of Vineyard Avenue, directly north of the Burlington Northern Santa Fe (BNSF) Railway, and directly east of Baker Avenue in the southwestern area of the City of Rancho Cucamonga. The 47-acre site is located approximately one-mile north of Interstate 10 (I-10), four miles west of Interstate 15 (I-15), 2.7 miles south of the Foothill Freeway (SR-210), and 4.2 miles north of State Route 60 (SR-60); refer to [Exhibit 1: Regional Vicinity Map](#) and [Exhibit 2: Local Vicinity Map](#).

### 1.2 PROJECT DESCRIPTION

The Project is proposing to demolish four existing buildings (two warehouses and two office buildings) and construct three warehouse buildings with ancillary office space and associated parking and landscaping on approximately 47 acres. As shown in [Exhibit 3: Building Site Configuration](#), the proposed Project would include three warehouse buildings for a total of 1,037,467 square feet, 415 automobile parking spaces, and 195 trailer parking spaces. Vehicular access to the proposed Project would consist of project six driveways; one on 9<sup>th</sup> Street, two on Vineyard Avenue, and three on Baker Avenue. All entrances to the site would be unsignalized.

#### Existing General Plan Land Use and Zoning Designations

The majority of the Project site is zoned Neo-Industrial (NI), with the exception of a small portion of the Project site fronting Baker Avenue and the Project's northern property line having a zoning designation of Industrial Park (IP). Adjacent properties to the north are zoned for Industrial Employment, Industrial Park, Neo-Industrial, and Medium Density Residential. Properties to the west are zoned Low Density Residential. The BNSF railway and properties zoned for Industrial uses are directly south of the site. The site is bordered to the east by Vineyard Avenue and the Cucamonga Creek, a concrete-lined stormwater drainage channel. Cucamonga Creek originates in the San Gabriel Mountains to the north of the site and flows roughly north to south into the Santa Ana River at the Prado Dam.

#### Warehouse Facility

The proposed Project consists of three warehouse buildings for a total of 13,000 square feet of office uses and 1,024,467 square feet of warehouse uses for a total of 1,037,467 square feet; refer to [Table 1: Building Summary](#). It should be noted that the Project cannot exceed a maximum of 358,564 square feet for refrigerated purposes (35 percent of the total warehouse square footage).

**Table 1: Building Summary**

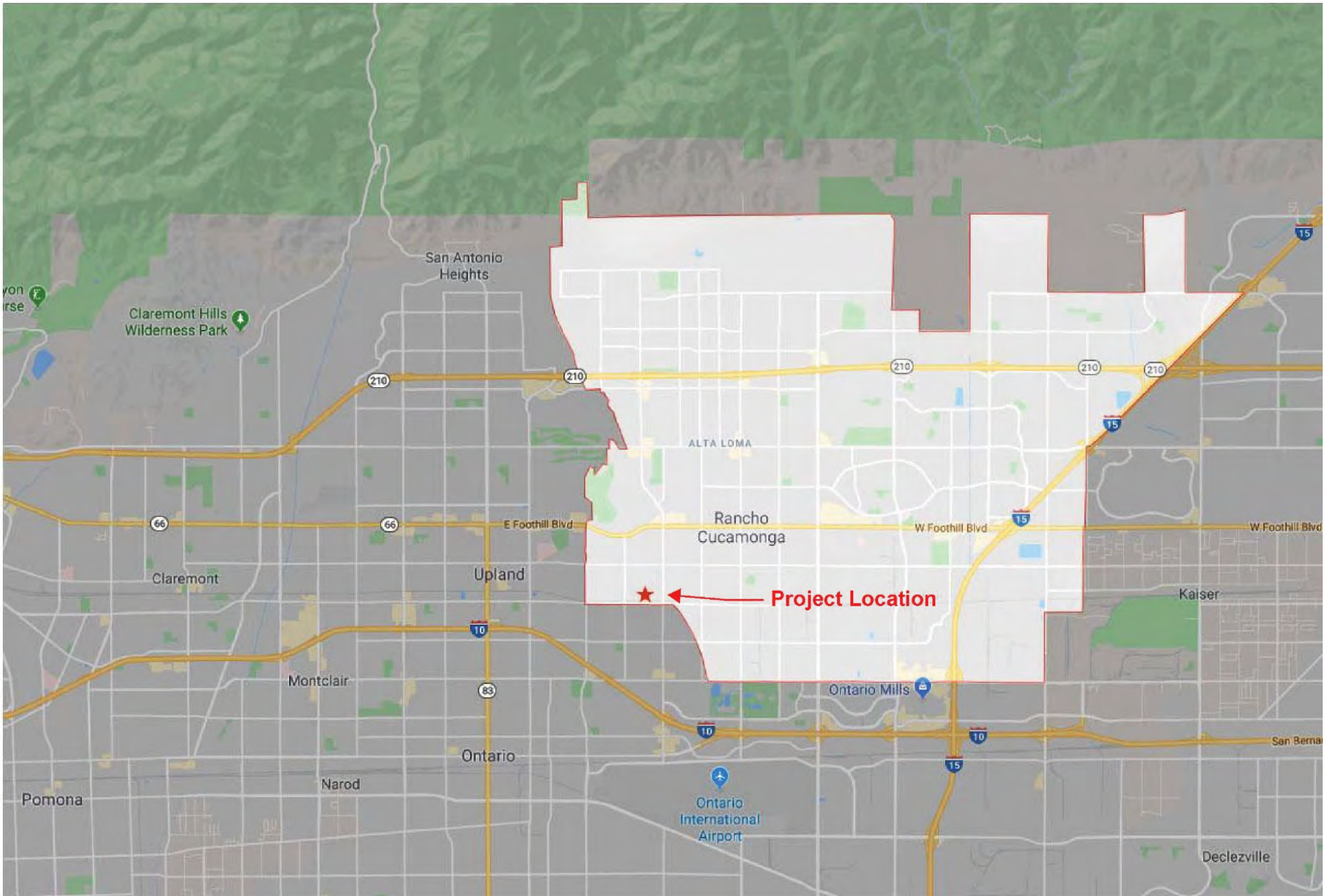
Building	Warehouse (sf)	Office 1st Floor (sf)	Office 2 <sup>nd</sup> Floor (sf)	Total Building (sf)	Automobile Parking Stalls		Trailer Parking Stalls	
					Required	Provided	Required	Provided
Building 1	632,580	4,000	0	636,580	195	195	100	148
Building 2	126,531	2,000	2,000	130,531	68	73	13	13
Building 3	265,356	2,500	2,500	270,356	107	147	28	34
Notes:								
Square feet (sf)								

### Site Access

Vehicular access to the proposed Project would consist of six project driveways; one on 9<sup>th</sup> Street, two on Vineyard Avenue, and three on Baker Avenue. All entrances to the site would be unsignalized.

### Parking

The Project provides 415 automobile parking stalls, exceeding the requirement of 370 automobile parking stalls. Additionally, 195 trailer parking stalls are provided.



**EXHIBIT 1:** Regional Map  
9th and Vineyard Development Project



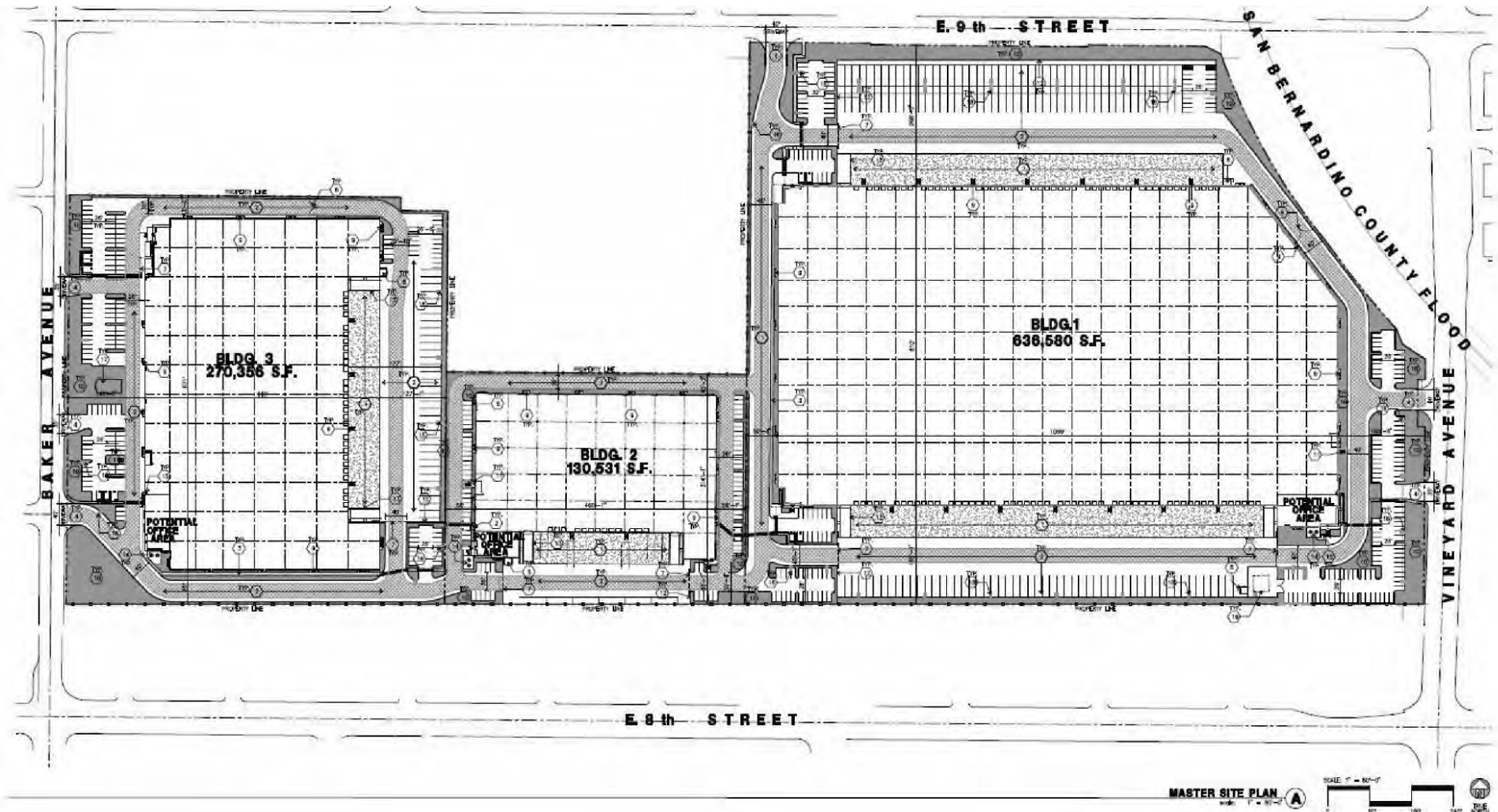




**EXHIBIT 2:** Local Vicinity Map  
9th and Vineyard Development Project







**EXHIBIT 3:** Building Site Configuration  
9th and Vineyard Development Project



## 2 ENVIRONMENTAL SETTING

### 2.1 GREENHOUSE GASES AND CLIMATE CHANGE

Certain gases in the earth's atmosphere classified as GHGs, play a critical role in determining the earth's surface temperature. Solar radiation enters the earth's atmosphere from space. A portion of the radiation is absorbed by the earth's surface and a smaller portion of this radiation is reflected back toward space. This absorbed radiation is then emitted from the earth as low-frequency infrared radiation. The frequencies at which bodies emit radiation are proportional to temperature. Because the earth has a much lower temperature than the sun, it emits lower-frequency radiation. Most solar radiation passes through GHGs; however, infrared radiation is absorbed by these gases. As a result, radiation that otherwise would have escaped back into space is instead "trapped," resulting in a warming of the atmosphere. This phenomenon, known as the greenhouse effect, is responsible for maintaining a habitable climate on earth.

The primary GHGs contributing to the greenhouse effect are carbon dioxide (CO<sub>2</sub>), methane (CH<sub>4</sub>), and nitrous oxide (N<sub>2</sub>O). Fluorinated gases also make up a small fraction of the GHGs that contribute to climate change. Examples of fluorinated gases include chlorofluorocarbons (CFCs), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulfur hexafluoride (SF<sub>6</sub>), and nitrogen trifluoride (NF<sub>3</sub>); however, it is noted that these gases are not associated with typical land use development. Human-caused emissions of GHGs exceeding natural ambient concentrations are believed to be responsible for intensifying the greenhouse effect and leading to a trend of unnatural warming of the Earth's climate, known as global climate change or global warming.

GHGs are global pollutants, unlike criteria air pollutants and toxic air contaminants (TACs), which are pollutants of regional and local concern. Whereas pollutants with localized air quality effects have relatively short atmospheric lifetimes (about one day), GHGs have long atmospheric lifetimes (one to several thousand years). GHGs persist in the atmosphere for long enough time periods to be dispersed around the globe. Although the exact lifetime of a GHG molecule is dependent on multiple variables and cannot be pinpointed, more CO<sub>2</sub> is emitted into the atmosphere than is sequestered by ocean uptake, vegetation, or other forms of carbon sequestration. Of the total annual human-caused CO<sub>2</sub> emissions, approximately 55 percent is sequestered through ocean and land uptakes every year, averaged over the last 50 years, whereas the remaining 45 percent of human-caused CO<sub>2</sub> emissions remains stored in the atmosphere<sup>1</sup>. [Table 2: Description of Greenhouse Gases](#) describes the primary GHGs attributed to global climate change, including their physical properties.

---

<sup>1</sup> Intergovernmental Panel on Climate Change, *Carbon and Other Biogeochemical Cycles*. In: *Climate Change 2013: The Physical Science Basis, Contribution of Working Group I to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change*, 2013. [http://www.climatechange2013.org/images/report/WG1AR5\\_ALL\\_FINAL.pdf](http://www.climatechange2013.org/images/report/WG1AR5_ALL_FINAL.pdf).



<b>Greenhouse Gas</b>	<b>Description</b>
Carbon Dioxide (CO <sub>2</sub> )	CO <sub>2</sub> is a colorless, odorless gas that is emitted naturally and through human activities. Natural sources include decomposition of dead organic matter; respiration of bacteria, plants, animals, and fungus; evaporation from oceans; and volcanic outgassing. Anthropogenic sources are from burning coal, oil, natural gas, and wood. The largest source of CO <sub>2</sub> emissions globally is the combustion of fossil fuels such as coal, oil, and gas in power plants, automobiles, and industrial facilities. The atmospheric lifetime of CO <sub>2</sub> is variable because it is readily exchanged in the atmosphere. CO <sub>2</sub> is the most widely emitted GHG and is the reference gas (Global Warming Potential of 1) for determining Global Warming Potentials for other GHGs.
Nitrous Oxide (N <sub>2</sub> O)	N <sub>2</sub> O is largely attributable to agricultural practices and soil management. Primary human-related sources of N <sub>2</sub> O include agricultural soil management, sewage treatment, combustion of fossil fuels, and adipic and nitric acid production. N <sub>2</sub> O is produced from biological sources in soil and water, particularly microbial action in wet tropical forests. The atmospheric lifetime of N <sub>2</sub> O is approximately 120 years. The Global Warming Potential of N <sub>2</sub> O is 298.
Methane (CH <sub>4</sub> )	CH <sub>4</sub> , a highly potent GHG, primarily results from off-gassing (the release of chemicals from nonmetallic substances under ambient or greater pressure conditions) and is largely associated with agricultural practices and landfills. Methane is the major component of natural gas, about 87 percent by volume. Human-related sources include fossil fuel production, animal husbandry, rice cultivation, biomass burning, and waste management. Natural sources of CH <sub>4</sub> include wetlands, gas hydrates, termites, oceans, freshwater bodies, non-wetland soils, and wildfires. The atmospheric lifetime of CH <sub>4</sub> is about 12 years and the Global Warming Potential is 25.
Hydrofluorocarbons (HFCs)	HFCs are typically used as refrigerants for both stationary refrigeration and mobile air conditioning. The use of HFCs for cooling and foam blowing is increasing, as the continued phase out of CFCs and HCFCs gains momentum. The 100-year Global Warming Potential of HFCs range from 124 for HFC-152 to 14,800 for HFC-23.
Perfluorocarbons (PFCs)	PFCs have stable molecular structures and only break down by ultraviolet rays about 60 kilometers above Earth's surface. Because of this, they have long lifetimes, between 10,000 and 50,000 years. Two main sources of PFCs are primary aluminum production and semiconductor manufacturing. Global Warming Potentials range from 6,500 to 9,200.
Chlorofluorocarbons (CFCs)	CFCs are gases formed synthetically by replacing all hydrogen atoms in methane or ethane with chlorine and/or fluorine atoms. They are nontoxic, nonflammable, insoluble, and chemically unreactive in the troposphere (the level of air at the earth's surface). CFCs were synthesized in 1928 for use as refrigerants, aerosol propellants, and cleaning solvents. The Montreal Protocol on Substances that Deplete the Ozone Layer prohibited their production in 1987. Global Warming Potentials for CFCs range from 3,800 to 14,400.
Sulfur Hexafluoride (SF <sub>6</sub> )	SF <sub>6</sub> is an inorganic, odorless, colorless, and nontoxic, nonflammable gas. It has a lifetime of 3,200 years. This gas is manmade and used for insulation in electric power transmission equipment, in the magnesium industry, in semiconductor manufacturing, and as a tracer gas. The Global Warming Potential of SF <sub>6</sub> is 23,900.
Hydrochlorofluorocarbons (HCFCs)	HCFCs are solvents, similar in use and chemical composition to CFCs. The main uses of HCFCs are for refrigerant products and air conditioning systems. As part of the Montreal Protocol, HCFCs are subject to a consumption cap and gradual phase out. The United States is scheduled to achieve a 100 percent reduction to the cap by 2030. The 100-year Global Warming Potentials of HCFCs range from 90 for HCFC-123 to 1,800 for HCFC-142b.
Nitrogen Trifluoride (NF <sub>3</sub> )	NF <sub>3</sub> was added to Health and Safety Code section 38505(g)(7) as a GHG of concern. This gas is used in electronics manufacture for semiconductors and liquid crystal displays. It has a high global warming potential of 17,200.
Source: Compiled from U.S. EPA, <i>Overview of Greenhouse Gases</i> , April 11, 2018 ( <a href="https://www.epa.gov/ghgemissions/overview-greenhouse-gases">https://www.epa.gov/ghgemissions/overview-greenhouse-gases</a> ); U.S. EPA, <i>Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2016</i> , 2018; Intergovernmental Panel on Climate Change, <i>Climate Change 2007: The Physical Science Basis</i> , 2007; National Research Council, <i>Advancing the Science of Climate Change</i> , 2010; U.S. EPA, <i>Methane and Nitrous Oxide Emission from Natural Sources</i> , April 2010.	

### 3 REGULATORY SETTING

#### 3.1 FEDERAL

To date, national standards have not been established for nationwide GHG reduction targets, nor have any regulations or legislation been enacted specifically to address climate change and GHG emissions reduction at the project level. Various efforts have been promulgated at the federal level to improve fuel economy and energy efficiency to address climate change and its associated effects.

##### **Energy Independence and Security Act of 2007**

The Energy Independence and Security Act of 2007 (December 2007), among other key measures, requires the following, which would aid in the reduction of national GHG emissions:

- Increase the supply of alternative fuel sources by setting a mandatory Renewable Fuel Standard requiring fuel producers to use at least 36 billion gallons of biofuel in 2022.
- Set a target of 35 miles per gallon for the combined fleet of cars and light trucks by model year 2020 and direct the National Highway Traffic Safety Administration (NHTSA) to establish a fuel economy program for medium- and heavy-duty trucks and create a separate fuel economy standard for work trucks.
- Prescribe or revise standards affecting regional efficiency for heating and cooling products and procedures for new or amended standards, energy conservation, energy efficiency labeling for consumer electronic products, residential boiler efficiency, electric motor efficiency, and home appliances.

##### **U.S. Environmental Protection Agency Endangerment Finding**

The U.S. Environmental Protection Agency (EPA) authority to regulate GHG emissions stems from the U.S. Supreme Court decision in *Massachusetts v. EPA* (2007). The Supreme Court ruled that GHGs meet the definition of air pollutants under the existing Federal Clean Air Act (FCAA) and must be regulated if these gases could be reasonably anticipated to endanger public health or welfare. Responding to the Court's ruling, the EPA finalized an endangerment finding in December 2009. Based on scientific evidence it found that six GHGs (CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O, HFCs, PFCs, and SF<sub>6</sub>) constitute a threat to public health and welfare. Thus, it is the Supreme Court's interpretation of the existing FCAA and the EPA's assessment of the scientific evidence that form the basis for the EPA's regulatory actions.

##### **Federal Vehicle Standards**

In response to the U.S. Supreme Court ruling discussed above, Executive Order 13432 was issued in 2007 directing the EPA, the Department of Transportation, and the Department of Energy to establish regulations that reduce GHG emissions from motor vehicles, non-road vehicles, and non-road engines by 2008. In 2009, the NHTSA issued a final rule regulating fuel efficiency and GHG emissions from cars and light-duty trucks for model year 2011, and in 2010, the EPA and NHTSA issued a final rule regulating cars and light-duty trucks for model years 2012–2016.

In 2010, an Executive Memorandum was issued directing the Department of Transportation, Department of Energy, EPA, and NHTSA to establish additional standards regarding fuel efficiency and GHG reduction, clean fuels, and advanced vehicle infrastructure. In response to this directive, the EPA and NHTSA proposed stringent, coordinated federal GHG and fuel economy standards for model years 2017–2025 light-duty vehicles. The proposed standards projected to achieve 163 grams per mile of CO<sub>2</sub> in model year 2025, on an average industry fleet-wide basis, which is equivalent to 54.5 miles per gallon if this level were achieved solely through fuel efficiency. The final rule was adopted in 2012 for model years 2017–2021, and NHTSA intends to set standards for model years 2022–2025 in a future rulemaking. On January 12, 2017, the EPA finalized its decision to maintain the current GHG emissions standards for model years 2022–2025 cars and light trucks. It should be noted that the U.S. EPA is currently proposing to freeze the vehicle fuel efficiency standards at their planned 2020 level (37 mpg), canceling any future strengthening (currently 54.5 mpg by 2026).

In addition to the regulations applicable to cars and light-duty trucks described above, in 2011, the EPA and NHTSA announced fuel economy and GHG standards for medium- and heavy-duty trucks for model years 2014–2018. The standards for CO<sub>2</sub> emissions and fuel consumption are tailored to three main vehicle categories: combination tractors, heavy-duty pickup trucks and vans, and vocational vehicles. According to the EPA, this regulatory program will reduce GHG emissions and fuel consumption for the affected vehicles by 6 to 23 percent over the 2010 baselines.

In August 2016, the EPA and NHTSA announced the adoption of the phase two program related to the fuel economy and GHG standards for medium- and heavy-duty trucks. The phase two program will apply to vehicles with model year 2018 through 2027 for certain trailers, and model years 2021 through 2027 for semi-trucks, large pickup trucks, vans, and all types and sizes of buses and work trucks. The final standards are expected to lower CO<sub>2</sub> emissions by approximately 1.1 billion metric tons and reduce oil consumption by up to 2 billion barrels over the lifetime of the vehicles sold under the program.

In 2018, the President and the EPA stated their intent to halt various federal regulatory activities to reduce GHG emission, including the phase two program. California and other states have stated their intent to challenge federal actions that would delay or eliminate GHG reduction measures and have committed to cooperating with other countries to implement global climate change initiatives. On September 27, 2019, the EPA and the NHTSA published the “Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule Part One: One National Program.” (84 Fed. Reg. 51,310 (Sept. 27, 2019.)) The Part One Rule revokes California’s authority to set its own GHG emissions standards and set zero-emission vehicle mandates in California. On March 31, 2020, the EPA and NHTSA finalized rulemaking for SAFE Part Two sets CO<sub>2</sub> emissions standards and corporate average fuel economy (CAFE) standards for passenger vehicles and light duty trucks, covering model years 2021-2026.

## 3.2 STATE OF CALIFORNIA

### California Air Resources Board

The California Air Resources Board (CARB) is responsible for the coordination and oversight of State and local air pollution control programs in California. Various statewide and local initiatives to reduce California’s contribution to GHG emissions have raised awareness about climate change and its potential for severe long-term adverse environmental, social, and economic effects. California is a significant emitter of CO<sub>2</sub> equivalents (CO<sub>2</sub>e) in the world and produced 459 million gross metric tons of CO<sub>2</sub>e in

2013. In the State, the transportation sector is the largest emitter of GHGs, followed by industrial operations such as manufacturing and oil and gas extraction.

The State of California legislature has enacted a series of bills that constitute the most aggressive program to reduce GHGs of any state in the nation. Some legislation, such as the landmark Assembly Bill (AB) 32, *California Global Warming Solutions Act of 2006*, was specifically enacted to address GHG emissions. Other legislation, such as Title 24 building efficiency standards and Title 20 appliance energy standards, were originally adopted for other purposes such as energy and water conservation, but also provide GHG reductions. This section describes the major provisions of the legislation.

### **Assembly Bill 32 (California Global Warming Solutions Act of 2006)**

AB 32 instructs the CARB to develop and enforce regulations for the reporting and verification of statewide GHG emissions. AB 32 also directed CARB to set a GHG emissions limit based on 1990 levels, to be achieved by 2020. It set a timeline for adopting a scoping plan for achieving GHG reductions in a technologically and economically feasible manner.

### **California Air Resource Board Scoping Plan**

CARB adopted the Scoping Plan to achieve the goals of AB 32. The Scoping Plan establishes an overall framework for the measures that would be adopted to reduce California's GHG emissions. CARB determined that achieving the 1990 emissions level would require a reduction of GHG emissions of approximately 29 percent below what would otherwise occur in 2020 in the absence of new laws and regulations (referred to as "business-as-usual")<sup>2</sup>. The Scoping Plan evaluates opportunities for sector-specific reductions, integrates early actions and additional GHG reduction measures by both CARB and the State's Climate Action Team, identifies additional measures to be pursued as regulations, and outlines the adopted role of a cap-and-trade program<sup>3</sup>. Additional development of these measures and adoption of the appropriate regulations occurred through the end of 2013. Key elements of the Scoping Plan include:

- Expanding and strengthening existing energy efficiency programs, as well as building and appliance standards.
- Achieving a statewide renewables energy mix of 33 percent by 2020.
- Developing a California cap-and-trade program that links with other programs to create a regional market system and caps sources contributing 85 percent of California's GHG emissions (adopted in 2011).
- Establishing targets for transportation-related GHG emissions for regions throughout California and pursuing policies and incentives to achieve those targets (several sustainable community strategies have been adopted).

---

<sup>2</sup> CARB defines business-as-usual (BAU) in its Scoping Plan as emissions levels that would occur if California continued to grow and add new GHG emissions but did not adopt any measures to reduce emissions. Projections for each emission-generating sector were compiled and used to estimate emissions for 2020 based on 2002–2004 emissions intensities. Under CARB's definition of BAU, new growth is assumed to have the same carbon intensities as was typical from 2002 through 2004.

<sup>3</sup> The Climate Action Team, led by the secretary of the California Environmental Protection Agency, is a group of State agency secretaries and heads of agencies, boards, and departments. Team members work to coordinate statewide efforts to implement global warming emissions reduction programs and the State's Climate Adaptation Strategy.

- Adopting and implementing measures pursuant to existing State laws and policies, including California’s clean car standards, heavy-duty truck measures, the Low Carbon Fuel Standard (amendments to the Pavley Standard adopted 2009; Advanced Clean Car standard adopted 2012), goods movement measures, and the Low Carbon Fuel Standard (adopted 2009).
- Creating targeted fees, including a public goods charge on water use, fees on gasses with high global warming potential, and a fee to fund the administrative costs of the State of California’s long-term commitment to AB 32 implementation.

In 2012, CARB released revised estimates of the expected 2020 emissions reductions. The revised analysis relied on emissions projections updated in light of current economic forecasts that accounted for the economic downturn since 2008, reduction measures already approved and put in place relating to future fuel and energy demand, and other factors. This update reduced the projected 2020 emissions from 596 million metric tons of CO<sub>2</sub>e (MMT<sub>CO<sub>2</sub>e</sub>) to 545 MMT<sub>CO<sub>2</sub>e</sub>. The reduction in forecasted 2020 emissions means that the revised business-as-usual reduction necessary to achieve AB 32’s goal of reaching 1990 levels by 2020 is now 21.7 percent, down from 29 percent. CARB also provided a lower 2020 inventory forecast that incorporated State-led GHG emissions reduction measures already in place. When this lower forecast is considered, the necessary reduction from business-as-usual needed to achieve the goals of AB 32 is approximately 16 percent.

CARB adopted the first major update to the Scoping Plan on May 22, 2014. The updated Scoping Plan summarizes the most recent science related to climate change, including anticipated impacts to California and the levels of GHG emissions reductions necessary to likely avoid risking irreparable damage. It identifies the actions California has already taken to reduce GHG emissions and focuses on areas where further reductions could be achieved to help meet the 2020 target established by AB 32.

In 2016, the Legislature passed Senate Bill (SB) 32, which codifies a 2030 GHG emissions reduction target of 40 percent below 1990 levels. With SB 32, the Legislature passed companion legislation, AB 197, which provides additional direction for developing the Scoping Plan. On December 14, 2017 CARB adopted a second update to the Scoping Plan<sup>4</sup>. The 2017 Scoping Plan details how the State will reduce GHG emissions to meet the 2030 target set by Executive Order B-30-15 and codified by SB 32. Other objectives listed in the 2017 Scoping plan are to provide direct GHG emissions reductions; support climate investment in disadvantaged communities; and, support the Clean Power Plan and other Federal actions.

### **Senate Bill 32 (California Global Warming Solutions Act of 2006: Emissions Limit)**

Signed into law in September 2016, SB 32 codifies the 2030 GHG reduction target in Executive Order B-30-15 (40 percent below 1990 levels by 2030). The bill authorizes CARB to adopt an interim GHG emissions level target to be achieved by 2030. CARB also must adopt rules and regulations in an open public process to achieve the maximum, technologically feasible, and cost-effective GHG reductions.

### **SB 375 (The Sustainable Communities and Climate Protection Act of 2008)**

Signed into law on September 30, 2008, SB 375 provides a process to coordinate land use planning, regional transportation plans, and funding priorities to help California meet the GHG reduction goals

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<sup>4</sup> California Air Resources Board, *California’s 2017 Climate Change Scoping Plan*, [https://www.arb.ca.gov/cc/scopingplan/scoping\\_plan\\_2017.pdf](https://www.arb.ca.gov/cc/scopingplan/scoping_plan_2017.pdf). Accessed May 9, 2018.

established by AB 32. SB 375 requires metropolitan planning organizations to include sustainable community strategies in their regional transportation plans for reducing GHG emissions, aligns planning for transportation and housing, and creates specified incentives for the implementation of the strategies.

#### **AB 1493 (Pavley Regulations and Fuel Efficiency Standards)**

AB 1493, enacted on July 22, 2002, required CARB to develop and adopt regulations that reduce GHGs emitted by passenger vehicles and light duty trucks. Implementation of the regulation was delayed by lawsuits filed by automakers and by the EPA's denial of an implementation waiver. The EPA subsequently granted the requested waiver in 2009, which was upheld by the U.S. District Court for the District of Columbia in 2011. The regulations establish one set of emission standards for model years 2009–2016 and a second set of emissions standards for model years 2017 to 2025. By 2025, when all rules will be fully implemented, new automobiles will emit 34 percent fewer CO<sub>2</sub>e emissions and 75 percent fewer smog-forming emissions.

#### **SB 1368 (Emission Performance Standards)**

SB 1368 is the companion bill of AB 32, which directs the California Public Utilities Commission (CPUC) to adopt a performance standard for GHG emissions for the future power purchases of California utilities. SB 1368 limits carbon emissions associated with electrical energy consumed in California by forbidding procurement arrangements for energy longer than 5 years from resources that exceed the emissions of a relatively clean, combined cycle natural gas power plant. The new law effectively prevents California's utilities from investing in, otherwise financially supporting, or purchasing power from new coal plants located in or out of the State. The CPUC adopted the regulations required by SB 1368 on August 29, 2007. The regulations implementing SB 1368 establish a standard for baseload generation owned by, or under long-term contract to publicly owned utilities, for 1,100 pounds of CO<sub>2</sub> per megawatt-hour.

#### **SB 1078 and SBX1-2 (Renewable Electricity Standards)**

SB 1078 requires California to generate 20 percent of its electricity from renewable energy by 2017. SB 107 changed the due date to 2010 instead of 2017. On November 17, 2008, Governor Arnold Schwarzenegger signed Executive Order S-14-08, which established a Renewable Portfolio Standard target for California requiring that all retail sellers of electricity serve 33 percent of their load with renewable energy by 2020. Executive Order S-21-09 also directed CARB to adopt a regulation by July 31, 2010, requiring the State's load serving entities to meet a 33 percent renewable energy target by 2020. CARB approved the Renewable Electricity Standard on September 23, 2010 by Resolution 10-23. SBX1-2, which codified the 33 percent by 2020 goal.

#### **SB 350 (Clean Energy and Pollution Reduction Act of 2015)**

Signed into law on October 7, 2015, SB 350 implements the goals of Executive Order B-30-15. The objectives of SB 350 are to increase the procurement of electricity from renewable sources from 33 percent to 50 percent (with interim targets of 40 percent by 2024, and 25 percent by 2027) and to double the energy efficiency savings in electricity and natural gas end uses of retail customers through energy efficiency and conservation. SB 350 also reorganizes the Independent System Operator to develop more regional electricity transmission markets and improve accessibility in these markets, which will facilitate the growth of renewable energy markets in the western United States.



**AB 398 (Market-Based Compliance Mechanisms)**

Signed on July 25, 2017, AB 398 extended the duration of the Cap-and-Trade program from 2020 to 2030. AB 398 required CARB to update the Scoping Plan and for all GHG rules and regulations adopted by the State. It also designated CARB as the statewide regulatory body responsible for ensuring that California meets its statewide carbon pollution reduction targets, while retaining local air districts' responsibility and authority to curb toxic air contaminants and criteria pollutants from local sources that severely impact public health. AB 398 also decreased free carbon allowances over 40 percent by 2030 and prioritized Cap-and-Trade spending to various programs including reducing diesel emissions in impacted communities.

**SB 150 (Regional Transportation Plans)**

Signed on October 10, 2017, SB 150 aligns local and regional GHG reduction targets with State targets (i.e. 40 percent below their 1990 levels by 2030). SB 150 creates a process to include communities in discussions on how to monitor their regions' progress on meeting these goals. The bill also requires the CARB to regularly report on that progress, as well as on the successes and the challenges regions experience associated with achieving their targets. SB 150 provides for accounting of climate change efforts and GHG reductions and identify effective reduction strategies.

**SB 100 (California Renewables Portfolio Standard Program: Emissions of Greenhouse Gases)**

Signed into Law in September 2018, SB 100 increased California's renewable electricity portfolio from 50 to 60 percent by 2030. SB 100 also established a further goal to have an electric grid that is entirely powered by clean energy by 2045.

**Executive Orders Related to GHG Emissions**

California's Executive Branch has taken several actions to reduce GHGs using executive orders. Although not regulatory, they set the tone for the State and guide the actions of state agencies.

**Executive Order S-3-05**

Executive Order S-3-05 was issued on June 1, 2005, which established the following GHG emissions reduction targets:

- By 2010, reduce GHG emissions to 2000 levels.
- By 2020, reduce GHG emissions to 1990 levels.
- By 2050, reduce GHG emissions to 80 percent below 1990 levels.

The 2050 reduction goal represents what some scientists believe is necessary to reach levels that will stabilize the climate. The 2020 goal was established to be a mid-term target. Because this is an executive order, the goals are not legally enforceable for local governments or the private sector.

**Executive Order S-01-07**

Issued on January 18, 2007, Executive Order S 01-07 mandates that a statewide goal shall be established to reduce the carbon intensity of California's transportation fuels by at least 10 percent by 2020. The executive order established a Low Carbon Fuel Standard (LCFS) and directed the Secretary for Environmental Protection to coordinate the actions of the California Energy Commission, CARB, the University of California, and other agencies to develop and propose protocols for measuring the "life-cycle carbon intensity" of transportation fuels. CARB adopted the LCFS on April 23, 2009.

**Executive Order S-13-08**

Issued on November 14, 2008, Executive Order S-13-08 facilitated the California Natural Resources Agency development of the 2009 California Climate Adaptation Strategy. Objectives include analyzing risks of climate change in California, identifying and exploring strategies to adapt to climate change, and specifying a direction for future research.

**Executive Order S-14-08**

Issued on November 17, 2008, Executive Order S-14-08 expands the State's Renewable Energy Standard to 33 percent renewable power by 2020. Additionally, Executive Order S-21-09 (signed on September 15, 2009) directs CARB to adopt regulations requiring 33 percent of electricity sold in the State come from renewable energy by 2020. CARB adopted the Renewable Electricity Standard on September 23, 2010, which requires 33 percent renewable energy by 2020 for most publicly owned electricity retailers.

**Executive Order S-21-09**

Issued on July 17, 2009, Executive Order S-21-09 directs CARB to adopt regulations to increase California's RPS to 33 percent by 2020. This builds upon SB 1078 (2002), which established the California RPS program, requiring 20 percent renewable energy by 2017, and SB 107 (2006), which advanced the 20 percent deadline to 2010, a goal which was expanded to 33 percent by 2020 in the 2005 Energy Action Plan II.

**Executive Order B-30-15**

Issued on April 29, 2015, Executive Order B-30-15 established a California GHG reduction target of 40 percent below 1990 levels by 2030 and directs CARB to update the Climate Change Scoping Plan to express the 2030 target in terms of million metric tons of CO<sub>2</sub>e (MMTCO<sub>2</sub>e). The 2030 target acts as an interim goal on the way to achieving reductions of 80 percent below 1990 levels by 2050, a goal set by Executive Order S-3-05. The executive order also requires the State's climate adaptation plan to be updated every three years and for the State to continue its climate change research program, among other provisions. With the enactment of SB 32 in 2016, the Legislature codified the goal of reducing GHG emissions by 2030 to 40 percent below 1990 levels.

**Executive Order B-55-18.**

Issued on September 10, 2018, Executive Order B-55-18 establishes a goal to achieve carbon neutrality as soon as possible, and no later than 2045, and achieve and maintain net negative emissions thereafter. This goal is in addition to the existing statewide targets of reducing GHG emissions. The executive order requires CARB to work with relevant state agencies to develop a framework for implementing this goal.



It also requires CARB to update the Scoping Plan to identify and recommend measures to achieve carbon neutrality. The executive order also requires state agencies to develop sequestration targets in the Natural and Working Lands Climate Change Implementation Plan.

### **California Regulations and Building Codes**

California has a long history of adopting regulations to improve energy efficiency in new and remodeled buildings. These regulations have kept California's energy consumption relatively flat even with rapid population growth.

#### **Title 20 Appliance Efficiency Regulations**

The appliance efficiency regulations (California Code of Regulations [CCR] Title 20, Sections 1601-1608) include standards for new appliances. Twenty-three categories of appliances are included in the scope of these regulations. These standards include minimum levels of operating efficiency, and other cost-effective measures, to promote the use of energy- and water-efficient appliances.

#### **Title 24 Building Energy Efficiency Standards**

California's Energy Efficiency Standards for Residential and Nonresidential Buildings (CCR Title 24, Part 6), was first adopted in 1978 in response to a legislative mandate to reduce California's energy consumption. The standards are updated periodically to allow consideration and possible incorporation of new energy efficient technologies and methods. Energy efficient buildings require less electricity; therefore, increased energy efficiency reduces fossil fuel consumption and decreases GHG emissions. The 2016 Building Energy Efficiency Standards approved on January 19, 2016 went into effect on January 1, 2017. The 2019 Building Energy Efficiency Standards were adopted on May 9, 2018 and take effect on January 1, 2020. Under the 2019 standards, homes will use about 53 percent less energy and nonresidential buildings will use about 30 percent less energy than buildings under the 2016 standards.

#### **Title 24 California Green Building Standards Code**

The California Green Building Standards Code (CCR Title 24, Part 11 code) commonly referred to as the CALGreen Code, is a statewide mandatory construction code developed and adopted by the California Building Standards Commission and the Department of Housing and Community Development. The CALGreen standards require new residential and commercial buildings to comply with mandatory measures under the topics of planning and design, energy efficiency, water efficiency/conservation, material conservation and resource efficiency, and environmental quality. CALGreen also provides voluntary tiers and measures that local governments may adopt that encourage or require additional measures in the five green building topics. The most recent update to the CALGreen Code went into effect January 1, 2017. Updates to the 2016 CALGreen Code will take effect on January 1, 2020 (2019 CALGreen). The 2019 CALGreen standards will continue to improve upon the existing standards for new construction of, and additions and alterations to, residential and nonresidential buildings.

#### **CARB Advanced Clean Truck Regulation**

CARB adopted the Advanced Clean Truck Regulation in June 2020 requiring truck manufacturers to transition from diesel trucks and vans to electric zero-emission trucks beginning in 2024. By 2045, every new truck sold in California is required to be zero-emission. This rule directly addresses disproportionate

risks and health and pollution burdens and puts California on the path for an all zero-emission short-haul drayage fleet in ports and railyards by 2035, and zero-emission “last-mile” delivery trucks and vans by 2040. The Advanced Clean Truck Regulation accelerates the transition of zero-emission medium-and heavy-duty vehicles from Class 2b to Class 8. The regulation has two components including a manufacturer sales requirement, and a reporting requirement:

- **Zero-Emission Truck Sales:** Manufacturers who certify Class 2b through 8 chassis or complete vehicles with combustion engines are required to sell zero-emission trucks as an increasing percentage of their annual California sales from 2024 to 2035. By 2035, zero-emission truck/chassis sales need to be 55 percent of Class 2b – 3 truck sales, 75 percent of Class 4 – 8 straight truck sales, and 40 percent of truck tractor sales.
- **Company and Fleet Reporting:** Large employers including retailers, manufacturers, brokers and others would be required to report information about shipments and shuttle services. Fleet owners, with 50 or more trucks, would be required to report about their existing fleet operations. This information would help identify future strategies to ensure that fleets purchase available zero-emission trucks and place them in service where suitable to meet their needs.

### 3.3 REGIONAL

#### South Coast Air Quality Management District Thresholds

The South Coast Air Quality Management District (SCAQMD) formed a GHG California Environmental Quality Act (CEQA) Significance Threshold Working Group to provide guidance to local lead agencies on determining significance for GHG emissions in their CEQA documents. As of the last Working Group meeting (Meeting 15) held in September 2010, the SCAQMD is proposing to adopt a tiered approach for evaluating GHG emissions for development projects where SCAQMD is not the lead agency.

With the tiered approach, the Project is compared with the requirements of each tier sequentially and would not result in a significant impact if it complies with any tier. Tier 1 excludes projects that are specifically exempt from SB 97 from resulting in a significant impact. Tier 2 excludes projects that are consistent with a GHG reduction plan that has a certified final CEQA document and complies with AB 32 GHG reduction goals. Tier 3 excludes projects with annual emissions lower than a screening threshold. For all industrial projects, the SCAQMD is proposing a screening threshold of 10,000 million tons of CO<sub>2</sub>e (MTCO<sub>2</sub>e) per year. During Working Group Meeting #7 it was explained that this threshold was derived using a 90 percent capture rate of a large sampling of industrial facilities. During Meeting #8, the Working Group defined industrial uses as production, manufacturing, and fabrication activities or storage and distribution (e.g., warehouse, transfer facility, etc.). SCAQMD concluded that projects with emissions less than the screening threshold would not result in a significant cumulative impact.

Tier 4 consists of three decision tree options. Under the Tier 4 first option, SCAQMD initially outlined that a project would be excluded if design features and/or mitigation measures resulted in emissions 30 percent lower than business as usual emissions. However, the Working Group did not provide a recommendation for this approach. The Working Group folded the Tier 4 second option into the third option. Under the Tier 4 third option, a project would be excluded if it was below an efficiency-based threshold of 4.8 MTCO<sub>2</sub>e per service population per year. Tier 5 would exclude projects that implement

offsite mitigation (GHG reduction projects) or purchase offsets to reduce GHG emission impacts to less than the proposed screening level.

GHG efficiency metrics are utilized as thresholds to assess the GHG efficiency of a project on a per capita basis or on a service population basis (the sum of the number of jobs and the number of residents provided by a project) such that a project would allow for consistency with the goals of AB 32 (i.e. 1990 GHG emissions levels by 2020). GHG efficiency thresholds can be determined by dividing the GHG emissions inventory goal of the State, by the estimated population and employment. This method allows highly efficient projects with higher mass emissions to meet the overall reduction goals of AB 32, and is appropriate, because the threshold can be applied evenly to all project types (residential or commercial/retail only and mixed use).

As the project involves the construction of a new warehouse, the 10,000 MTCO<sub>2</sub>e per year industrial screening threshold has been selected as the significance threshold, as it is most applicable to the proposed project.

### **Southern California Association of Governments**

On September 3, 2020, SCAG's Regional Council adopted Connect SoCal (2020 - 2045 Regional Transportation Plan/Sustainable Communities Strategy [2020 RTP/SCS]). The RTP/SCS charts a course for closely integrating land use and transportation so that the region can grow smartly and sustainably. The strategy was prepared through a collaborative, continuous, and comprehensive process with input from local governments, county transportation commissions, tribal governments, non-profit organizations, businesses and local stakeholders within the counties of Imperial, Los Angeles, Orange, Riverside, San Bernardino, and Ventura. The RTP/SCS is a long-range vision plan that balances future mobility and housing needs with economic, environmental, and public health goals. The SCAG region strives toward sustainability through integrated land use and transportation planning. The SCAG region must achieve specific federal air quality standards and is required by state law to lower regional GHG emissions.

## **3.4 LOCAL**

### **PlanRC, City of Rancho Cucamonga General Plan Update**

The City of Rancho Cucamonga General Plan (Rancho Cucamonga GP) is a roadmap that encompasses the aspirations and values of the community. The Rancho Cucamonga GP mentions specific climate change goals and policies for the City to reduce GHGs. Project relevant goals and policies specific to GHGs are mentioned in this section. Where inconsistencies exist, if any, they are addressed in the respective impact analysis below. Rancho Cucamonga GP policies that directly address reducing and avoiding natural resources impacts include the following:

#### **Goal RC-6 Climate Change. A resilient community that reduces its contributions to a changing climate and is prepared for the health and safety risks of climate change.**

Policy RC-6.9 Access. Require pedestrian, vehicle, and transit connectivity of streets, trails, and sidewalks, as well as between complementary adjacent land uses.

- Policy RC-6.10 Green Building. Encourage the construction of buildings that are certified Leadership in Energy and Environmental Design (LEED) or equivalent, emphasizing technologies that reduce GHG emissions.
- Policy RC-6.11 Climate-Appropriate Building Types. Encourage alternative building types that are more sensitive to and designed for passive heating and cooling within the arid environment found in Rancho Cucamonga.
- Policy RC-6.13 Designing for Warming Temperatures. When reviewing development proposals, encourage applicants and designers to consider warming temperatures in the design of cooling systems.
- Policy RC-6.14 Designing for Changing Precipitation Patterns. When reviewing development proposals, encourage applicants to consider stormwater control strategies and systems for sensitivity to changes in precipitation regimes and consider adjusting those strategies to accommodate future precipitation regimes.
- Policy RC-6.15 Heat Island Reductions. Require heat island reduction strategies in new developments such as light-colored paving, permeable paving, right-sized parking requirements, vegetative cover and planting, substantial tree canopy coverage, and south and west side tree planting.
- Policy RC-6.17 Offsite GHG Mitigation. Allow the use of creative mitigation efforts such as offsite mitigation and in lieu fee programs as mechanisms for reducing project-specific GHG emissions.

### San Bernardino County Regional Greenhouse Gas Reduction Plan

In response to statewide GHG reduction initiatives, the San Bernardino Associated Governments (formerly SANBAG, now known as San Bernardino Council of Governments or SBCOG), cooperated to compile an inventory of GHG emissions and an evaluation of reduction measures to be adopted by the cities partnering within SBCOG. Reduction measures in the GHG Reduction Plan (GHGRP) are targeting GHG goals for the year 2020. Several of the measures and policies mentioned in the GHGRP for the City of Rancho Cucamonga are from the Rancho Cucamonga GP. The policies listed in the GHGRP range from broadly supporting energy efficiency and sustainability to policies closely tied to specific GHG reduction measures. Application of these policies is expected to reduce local GHGs by an estimated 387,998 MTCO<sub>2</sub>e from “business as usual” levels in 2020. This would equate to a 28.0 percent reduction in GHGs from the 2008 levels of 1,238,926 MTCO<sub>2</sub>e annually.

## 4 SIGNIFICANCE CRITERIA AND METHODOLOGY

### 4.1 THRESHOLDS AND SIGNIFICANT CRITERIA

Addressing GHG emissions generation impacts requires an agency to determine what constitutes a significant impact. The amendments to the CEQA Guidelines specifically allow lead agencies to determine thresholds of significance that illustrate the extent of an impact and are a basis from which to apply mitigation measures. This means that each agency is left to determine whether a project's GHG emissions will have a "significant" impact on the environment. The guidelines direct that agencies are to use "careful judgment" and "make a good-faith effort, based to the extent possible on scientific and factual data, to describe, calculate or estimate" the project's GHG emissions<sup>5</sup>.

Multiple expert agencies throughout the state have drafted or adopted varying threshold approaches and guidelines for analyzing 2020 operational GHG emissions in CEQA documents. The different thresholds include compliance with a qualified GHG reduction strategy, performance-based reductions, numeric bright-line thresholds, and efficiency-based thresholds. The California Supreme Court decision in the *Centers for Biological Diversity et al. v. California Department of Fish and Wildlife*, the Newhall Land and Farming Company (November 30, 2015, Case No. S217763) (hereafter Newhall Ranch)<sup>6</sup> confirmed that when an "agency chooses to rely completely on a single quantitative method to justify a no-significance finding, CEQA demands the agency research and document the quantitative parameters essential to that method."

The court also opined in a footnote to its decision that an agency needs to "consider the project's effects on meeting longer term emissions reduction targets" (i.e. post-2020). The topic of whether a GHG emissions analysis must conform to the 2050 reduction target (40 percent of 1990 emissions by 2030 and 80 percent of 1990 emissions by 2050) expressed in Governor Brown's Executive Order B-30-15 and Governor Schwarzenegger's Executive Order S-03-05 is currently before the Supreme Court in the *Cleveland National Forest Foundation v. San Diego Association of Governments* (hereafter SANDAG) case.

As noted earlier, AB 32 is a legal mandate requiring that statewide GHG emissions be reduced to 1990 levels by 2020 and efficiency-based thresholds represent the rate of emission reductions needed to achieve a fair share of California's GHG emissions reduction target established under AB 32. In adopting AB 32, the legislature determined the necessary GHG reductions for the state to make in order to sufficiently offset its contribution to the cumulative climate change problem to reach 1990 levels. AB 32 is the only legally mandated requirement for the reduction of GHGs. As such, compliance with AB 32 is the current adopted basis upon which an agency can base its significance threshold for evaluating a project's GHG impacts. However, it is acknowledged that Executive Orders 5-03-05 and B-30-15, SB 375, and proposed legislation will ultimately result in GHG emissions reduction targets for 2030, 2040, and 2050.

Based upon the criteria derived from Appendix G of the CEQA Guidelines, a project normally would have a significant effect on the environment if it would:

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<sup>5</sup> 14 California Code of Regulations, Section 15064.4a

<sup>6</sup> Association of Environmental Professionals, 2016.

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

### South Coast Air Quality Management Thresholds

The SCAQMD has not announced when staff is expecting to present a finalized version of its GHG thresholds to the governing board. On September 28, 2010, the SCAQMD recommended an interim screening level numeric “bright-line” threshold of 10,000 metric tons per year of CO<sub>2</sub>e for industrial land uses. These efficiency-based thresholds were developed as part of the SCAQMD GHG CEQA Significance Threshold Working Group. This working group was formed to assist SCAQMD’s efforts to develop a GHG significance threshold and is composed of a wide variety of stakeholders including the State Office of Planning and Research, CARB, the Attorney General’s Office, a variety of city and county planning departments in the SCAB, various utilities such as sanitation and power companies throughout the SCAB, industry groups, and environmental and professional organizations. The numeric “bright line” was developed to be consistent with CEQA requirements for developing significance thresholds, are supported by substantial evidence, and provides guidance to CEQA practitioners in determining whether GHG emissions from a proposed project are significant. Additionally, the SCAQMD GHG Significance Threshold Stakeholder Working Group has specified that a warehouse is considered to be an industrial project.<sup>7</sup> Furthermore, the Working Group indicated that the 10,000 MTCO<sub>2</sub>e per year threshold applies to both emissions from construction and operational phases plus indirect emissions (electricity, water use, etc.). The 10,000 MTCO<sub>2</sub>e per year threshold is used in addition to the qualitative thresholds of significance set forth below from Section VII of Appendix G to the CEQA Guidelines.

## 4.2 METHODOLOGY

Global climate change is, by definition, a cumulative impact of GHG emissions. Therefore, there is no project-level analysis. The baseline against which to compare potential impacts of the project includes the natural and anthropogenic drivers of global climate change, including world-wide GHG emissions from human activities which almost doubled between 1970 and 2010 from approximately 27 gigatonnes (Gt) of CO<sub>2</sub>/year to nearly 49 GtCO<sub>2</sub>/year.<sup>8</sup> As such, the geographic extent of climate change and GHG emissions cumulative impact discussion is worldwide.

The project’s construction and operational emissions were calculated using the California Emissions Estimator Model version 2016.3.2 (CalEEMod). Details of the modeling assumptions and emission factors are provided in [Appendix A: Greenhouse Gas Emissions Data](#). The paving and disturbed areas modeled in CalEEMod include both on-site improvements as well as minor off-site roadway improvements. The Project’s offsite improvements consist of asphalt rehabilitation, parkway improvements, and utility connections along the project frontage, with the intersection corner improvements (ADA ramp/corner cutoff, traffic signal installations/modifications, minor utility relocations/adjustments) at five (5) locations in order to improve traffic circulation (an off-site area of approximately 59,800 square feet). Construction is conservatively assumed to occur in 2020, delaying

<sup>7</sup> South Coast Air Quality Management District, *Minutes for the GHG CEQA Significance Threshold Stakeholder Working Group #8*, 2009.

<sup>8</sup> Intergovernmental Panel on Climate Change, *Climate Change 2014 Mitigation of Climate Change Working Group III Contribution to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change*, 2014.



the start of construction would only likely reduce emissions as emission control technology will improve in the future.<sup>9</sup>

For construction, CalEEMod calculates emissions from off-road equipment usage and on-road vehicle travel associated with haul, delivery, and construction worker trips. GHG emissions during construction were forecasted based on the proposed construction schedule and applying the mobile-source and fugitive dust emissions factors derived from CalEEMod. The project's construction-related GHG emissions would be generated from off-road construction equipment, on-road hauling and vendor (material delivery) trucks, and worker vehicles.

The project's operations-related GHG emissions would be generated by vehicular traffic, area sources (e.g., landscaping maintenance, consumer products), electrical generation, natural gas consumption, water supply and wastewater treatment, and solid waste. The increase of traffic over existing conditions as a result of the Project was obtained from the Project's Transportation Impact Study prepared by Kimley-Horn (December 2019). Emissions rates in CalEEMod have been updated with CARB SAFE Rule adjustment factors<sup>10</sup> and EMFAC2017 emission rates consistent with the methodology described in Section 5.2 *Methodology for Converting EMFAC2014 Emission Rates into CalEEMod Vehicle Emission Factors* of Appendix A: *Calculation Details for CalEEMod* in the *CalEEMod User Guide*. The modeled operational fleet mix was incorporated in CalEEMod consistent with the Transportation Impact Study. Project trip generation from the Transportation Impact Study is based on the Institute of Transportation Engineers (ITE) Warehouse land use (ITE code 150). The fleet mix includes 79.6 percent passenger cars, 3.5 percent light trucks, 4.6 percent medium duty trucks, and 12.3 percent heavy duty trucks.<sup>11</sup> The percentage of passenger cars was distributed proportionally to all passenger car categories. Because the Project is a speculative warehouse development and the final end user is not known, it was assumed that each building would operate two electric powered forklifts, six in total.

It should be noted that CalEEMod emission factors incorporate compliance with some, but not all, applicable rules and regulations regarding energy efficiency and vehicle fuel efficiency, and other GHG reduction policies, as described in the CalEEMod User's Guide (November 2017). For example, RPS is not accounted for in the current version of CalEEMod. Reductions from RPS are addressed by revising the electricity emission intensity factor in CalEEMod to account for the utility complying with the 33 percent renewable mandate by 2020. As of 2018 (latest available), Southern California Edison's (SCE) power mix was at 36 percent renewable energy<sup>12</sup> and will be required to achieve the 60 percent renewable energy goal by 2030 established by SB 100. The CalEEMod carbon intensity factor was adjusted within the model to represent Southern California Edison's current emissions rate.

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<sup>9</sup> Emissions in future years (i.e., due to a later construction start date or operational opening year) would be lower due to phased-in emissions standards, inspection and maintenance requirements, and fleet turnover). Specifically, project construction was modeled to start in 2020 but would commence at a later date. As such, construction impacts would be less than those analyzed due to the use of more energy-efficient and cleaner burning construction vehicle fleet mix, pursuant to state regulations that require vehicle fleet operators to phase-in less polluting heavy-duty equipment. As a result, Project-related construction air quality impacts would be lower than the impacts disclosed herein. For emissions modeling purposes, conservatively analyzing the emissions using an earlier construction start date (i.e., 2020), provides for a worst-case analysis and full disclosure of potential air quality impacts, as required by CEQA.

<sup>10</sup> California Air Resources Board, *EMFAC Off-Model Adjustment Factors to Account for the SAFE Vehicle Rule Part One*, November 20, 2019.

<sup>11</sup> Per the Project's Transportation Impact Study, trip generation is based on Institute of Transportation Engineers (ITE) *Trip Generation Manual*, 10th Edition, and the vehicle mix is based on the City of Fontana, *Truck Trip Generation Study*, August 2003.

<sup>12</sup> California Energy Commission, *2018 Power Content Label*, July 2019.

Energy savings from water conservation resulting from the Green Building Code Standards for indoor water use and California Model Water Efficient Landscape Ordinance for outdoor water use are not included in CalEEMod. The Water Conservation Act of 2009 mandates a 20 percent reduction in urban water use that is implemented with these regulations. Benefits of the water conservation regulations are applied in the CalEEMod mitigation component. Adjustments were also made for Project design features that would reduce GHG emissions. The proposed Project would also be constructed in conformance with CALGreen, which requires high-efficiency water fixtures for indoor plumbing and water efficient irrigation systems.

The 2019 Building Energy Efficiency Standards (adopted on May 9, 2018) took effect on January 1, 2020. Under the 2019 standards, homes would use about 53 percent less energy and nonresidential buildings would use about 30 percent less energy than buildings under the 2016 standards. Adjustments were made for Project design features that would reduce GHG emissions.

The mitigated output from CalEEMod show reductions from existing regulatory requirements and Project design features that are termed “mitigation” within the model; however, those modeling components associated with locational measures and compliance with existing regulations are not considered mitigation under CEQA, but rather are treated as Project design features.



## 5 POTENTIAL IMPACTS AND MITIGATION

### 5.1 GREENHOUSE GAS EMISSIONS

**Threshold 5.1 Would the Project generate GHG emissions, either directly or indirectly, that could have a significant impact on the environment?**

#### Short-Term Construction Greenhouse Gas Emissions

The Project would result in direct emissions of GHGs from construction. The approximate quantity of daily GHG emissions generated by construction equipment utilized to build the Project is depicted in [Table 3: Construction-Related Greenhouse Gas Emissions](#). For analysis purposes, the modeling conservatively assumed construction would occur at the earliest feasible date (starting in September 2020 and ending in October 2021) determined at the time the analysis commenced. It should be noted that although construction would now occur later, the modeled emissions are conservative as emissions rates decrease in future years due to fleet turnover and regulatory and technological improvements.

Category	MTCO <sub>2</sub> e
Construction Year 1	283.62
Construction Year 2	1,851.48
Total Construction N <sub>2</sub> O Emissions <sup>1</sup>	25.42
Total Construction Emissions	2,160.52
30-Year Amortized Construction	72.02

1. As CalEEMod 2016.3.2 does not calculate N<sub>2</sub>O emissions, these emissions were calculated separately and added to the CalEEMod outputs.  
Source: CalEEMod version 2016.3.2. Refer to Appendix A for model outputs.

As shown, the Project would result in the generation of approximately 2,160.52 MTCO<sub>2</sub>e over the course of construction. Construction GHG emissions are typically summed and amortized over the lifetime of the Project (assumed to be 30 years), then added to the operational emissions<sup>13</sup>. The amortized Project construction emissions would be 72.02 MTCO<sub>2</sub>e per year. Once construction is complete, the generation of these GHG emissions would cease.

#### Long-Term Operational Greenhouse Gas Emissions

Operational or long-term emissions occur over the life of the Project. GHG emissions would result from direct emissions such as Project generated vehicular traffic, on-site combustion of natural gas, and operation of any landscaping equipment. The modeling conservatively uses an opening year of 2021, consistent with the Project Traffic Impact Study. Operational GHG emissions would also result from indirect sources, such as off-site generation of electrical power, the energy required to convey water to,

<sup>13</sup> The project lifetime is based on the standard 30-year assumption of the South Coast Air Quality Management District (South Coast Air Quality Management District, *Minutes for the GHG CEQA Significance Threshold Stakeholder Working Group #13*, August 26, 2009).

and wastewater from the Project, the emissions associated with solid waste generated from the Project, and any fugitive refrigerants from air conditioning or refrigerators.

Total GHG emissions associated with the Project are summarized in Table 4: Project Greenhouse Gas Emissions. As shown in Table 4, the Project would generate approximately 11,310.41 MTCO<sub>2</sub>e annually from both construction and operations and the Project, a net increase of 9,811.27 MTCO<sub>2</sub>e above existing operations. It should be noted that the Project proposes a maximum of 35 percent of the warehouse square footage (358,564 square feet) would be used for refrigerated purposes. Project-related GHG emissions would not exceed the City's 10,000 MTCO<sub>2</sub>e per year threshold.

<b>Table 4: Project Greenhouse Gas Emissions</b>	
<b>Emissions Source</b>	<b>MTCO<sub>2</sub>e per Year</b>
<b>Existing Project Site</b>	
<b>Total Emissions</b>	1,499.14
<b>Proposed Project</b>	
Construction Amortized Over 30 Years	72.02
Area Source	0.0280
Energy	5,136.15
Mobile <sup>1</sup>	4,596.56
Off-road	105.59
Waste	488.51
Water and Wastewater	897.73
TRU	13.82
<b>Total Emissions</b>	<b>11,310.41</b>
<b>Net Change</b>	<b>9,811.27</b>
<i>Project Threshold</i>	<i>10,000</i>
<b>Exceeds Threshold?</b>	<b>No</b>
1. As CalEEMod 2016.3.2 does not calculate N <sub>2</sub> O emissions, these emissions were calculated separately and added (an additional 211.49 MTCO <sub>2</sub> e) to the CalEEMod outputs. Source: CalEEMod version 2016.3.2. Refer to Appendix A for model outputs. Note: TRU (Transport Refrigeration Units).	

**Mitigation Measures:** No mitigation is required.

**Level of Significance:** Less than significant impact.

## 5.2 GREENHOUSE GAS REDUCTION PLAN COMPLIANCE

### Threshold 5.2 Would the Project conflict with an applicable plan, policy, or regulation of an agency adopted for the purpose of reducing GHG emissions?

#### San Bernardino County Regional Greenhouse Gas Reduction Plan Consistency

The City follows the 2014 GHGRP, which serves as a long-term vision for how the City, along with neighboring cities, can be more environmentally friendly and provides guidance for residents, City staff, and decision makers in the community on how to achieve future sustainability goals. The goals outlined in the GHGRP target GHG emissions in the year 2020. As shown in [Table 5: San Bernardino County Regional Greenhouse Gas Reduction Plan Consistency](#), the Project would not conflict with the goals in the GHGRP.

<b>SBCOG Goals</b>	<b>Compliance</b>
GOAL 1: Continue to support the regional bus system to provide intra-city service, inter-city service to major employment centers, and connect with other regional transportation transfer points.	N/A: This is not a transportation improvement project and is therefore not applicable.
GOAL 2: Where needed and appropriate, require new development to provide transit facilities and accommodations, such as bus shelters and turnouts, consistent with regional agency plans and existing and anticipated demands.	Consistent: The Project is not located immediately adjacent to an existing bus route. Therefore, the new development would not need to provide transit facilities and accommodations for buses.
GOAL 3: Continue to implement traffic signal systems and intelligent transportation systems (ITS) components (not limited to signal coordination, highway advisory radio, closed circuit television, emergency vehicle signal preemption, etc.) along arterial roadways and sub-areas, in accordance to the City's traffic Signal System Conceptual Buildout Plan and in compliance with regional and appropriate ITS Architecture Master Plans	N/A: This is not a transportation improvement project and is therefore not applicable.
GOAL 4: Continue to develop non-motorized trails and bicycle routes as identified in the Rancho Cucamonga GP; Parks, Recreation and Trails Element and the adopted Regional Non-Motorized Transportation Plan.	N/A: This is not a transportation improvement project and is therefore not applicable.
GOAL 5: Require that all new development adjacent to non-motorized trails provide bicycle and pedestrian routes linked to those facilities.	N/A: This is not a transportation improvement project and is therefore not applicable.
GOAL 6: Increase densities through transit-oriented development in the core of the city adjacent to the Metrolink and Omni-trans hub.	N/A: This is not a project-specific policy. However, the Project is required to comply with the provisions of the California Building Energy Efficiency Standards and the Green Building

SBCOG Goals	Compliance
	Standards Code (CALGreen) and is located near existing development and transit.
GOAL 7: Activity Centers should be linked with residential neighborhoods and be accessible by multiple modes of transportation.	N/A: This is not a project-specific policy and is therefore not applicable.

Source: San Bernardino County Transportation Authority, *San Bernardino County Regional Greenhouse Gas Reduction Plan*, March 2014.

### Regional Transportation Plan/Sustainable Communities Strategy Consistency

On September 3, 2020, SCAG's Regional Council adopted Connect SoCal (2020 - 2045 Regional Transportation Plan/Sustainable Communities Strategy [2020 RTP/SCS]). The RTP/SCS is a long-range visioning plan that balances future mobility and housing needs with economic, environmental, and public health goals. The RTP/SCS embodies a collective vision for the region's future and is developed with input from local governments, county transportation commissions, tribal governments, nonprofit organizations, businesses, and local stakeholders in the counties of Imperial, Los Angeles, Orange, Riverside, San Bernardino, and Ventura. SCAG's RTP/SCS establishes GHG emissions goals for automobiles and light-duty trucks for 2020 and 2035 as well as an overall GHG target for the Project region consistent with both the target date of AB 32 and the post-2020 GHG reduction goals of Executive Orders 5-03-05 and B-30-15.

The RTP/SCS contains over 4,000 transportation projects, ranging from highway improvements, railroad grade separations, bicycle lanes, new transit hubs and replacement bridges. These future investments were included in county plans developed by the six county transportation commissions and seek to reduce traffic bottlenecks, improve the efficiency of the region's network, and expand mobility choices for everyone. The RTP/SCS is an important planning document for the region, allowing project sponsors to qualify for federal funding.

The plan accounts for operations and maintenance costs to ensure reliability, longevity, and cost effectiveness. The RTP/SCS is also supported by a combination of transportation and land use strategies that help the region achieve state GHG emissions reduction goals and Federal Clean Air Act (FCAA) requirements, preserve open space areas, improve public health and roadway safety, support our vital goods movement industry, and utilize resources more efficiently. GHG emissions resulting from development-related mobile sources are the most potent source of emissions, and therefore Project comparison to the RTP/SCS is an appropriate indicator of whether the Project would inhibit the post-2020 GHG reduction goals promulgated by the state. The Project's consistency with the RTP/SCS goals is analyzed in detail in [Table 6: Regional Transportation Plan/Sustainable Communities Strategy Consistency](#).

<b>SCAG Goals</b>	<b>Compliance</b>
GOAL 1: Encourage regional economic prosperity and global competitiveness.	N/A: This is not a project-specific policy and is therefore not applicable.
GOAL 2: Improve mobility, accessibility, reliability, and travel safety for people and goods.	Consistent: Although this Project is not a transportation improvement project, the Project is located near existing transit routes on Vineyard Avenue.
GOAL 3: Enhance the preservation, security, and resilience of the regional transportation system.	N/A: This is not a transportation improvement project and is therefore not applicable.
GOAL 4: Increase person and goods movement and travel choices within the transportation system.	Consistent: This is not a transportation improvement project and is therefore not applicable. However, the Project includes warehouse uses that would support goods movement.
GOAL 5: Reduce greenhouse gas emissions and improve air quality.	Consistent: The Project is located within an urban area on a site that is already developed. The location of the Project in an already developed site in proximity to existing truck routes and freeways. Location of the project within a developed area would reduce trip lengths, which would reduce GHG and air quality emissions.
GOAL 6: Support healthy and equitable communities	Consistent: As discussed in the Air Quality Assessment and the Health Risk Assessment, the Project would not exceed thresholds or result in health impacts. The Project is located on a site that is zoned General Industrial and would not conflict with the surrounding community's ability to access healthy food or parks.
GOAL 7: Adapt to a changing climate and support an integrated regional development pattern and transportation network.	N/A: This is not a project-specific policy and is therefore not applicable.
GOAL 8: Leverage new transportation technologies and data-driven solutions that result in more efficient travel.	N/A: This is not a transportation improvement project and is therefore not applicable. However, the Project on an already developed site in proximity to existing truck routes and freeways. Location of the project within a developed area would reduce trip lengths, which would result in more efficient travel.
GOAL 9: Encourage development of diverse housing types in areas that are supported by multiple transportation options.	N/A: The Project involves development of warehouse uses and does not include housing. The Project is located within a relatively short walking distance to local bus routes.
GOAL 10: Promote conservation of natural and agricultural lands and restoration of habitats.	N/A: This the Project is located on a previously developed site and is not located on agricultural lands.

Source: Southern California Association of Governments, *Regional Transportation Plan/Sustainable Communities Strategy*, 2020.

Compliance with applicable State standards would ensure consistency with State and regional GHG reduction planning efforts. The goals stated in the RTP/SCS were used to determine consistency with the planning efforts previously stated. As shown in [Table 6](#), the proposed Project would be consistent with the stated goals of the RTP/SCS. Therefore, the proposed Project would not result in any significant impacts or interfere with SCAG's ability to achieve the region's post-2020 mobile source GHG reduction targets.

### California Air Resource Board Scoping Plan Consistency

The California State Legislature adopted AB 32 in 2006. AB 32 focuses on reducing GHGs (CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O, HFCs, PFCs, and SF<sub>6</sub>) to 1990 levels by the year 2020. Pursuant to the requirements in AB 32, CARB adopted the *Climate Change Scoping Plan* (CCSP) in 2008, which outlines actions recommended to obtain that goal. The CCSP provides a range of GHG reduction actions that include direct regulations, alternative compliance mechanisms, monetary and non-monetary incentives, voluntary actions, market-based mechanisms such as the cap-and-trade program, and an AB 32 implementation fee to fund the program. As shown in [Table 7: Project Consistency with Applicable CARB Scoping Plan Measures](#), the Project is consistent with most of the strategies, while others are not applicable to the Project.

The 2017 CCSP Update identifies additional GHG reduction measures necessary to achieve the 2030 target. These measures build upon those identified in the first update to the CCSP in 2013. Although a number of these measures are currently established as policies and measures, some measures have not yet been formally proposed or adopted. It is expected that these actions to reduce GHG emissions will be adopted as required to achieve statewide GHG emissions targets. As such, impacts related to consistency with the Scoping Plan would be less than significant.

Scoping Plan Sector	Scoping Plan Measure	Implementing Regulations	Project Consistency
Transportation	California Cap-and-Trade Program Linked to Western Climate Initiative	Regulation for the California Cap on GHG Emissions and Market-Based Compliance Mechanism October 20, 2015 (CCR 95800)	<b>Consistent.</b> The Cap-and-Trade Program applies to large industrial sources such as power plants, refineries, and cement manufacturers. However, the regulation indirectly affects people who use the products and services produced by these industrial sources when increased cost of products or services (such as electricity and fuel) are transferred to the consumers. The Cap-and-Trade Program covers the GHG emissions associated with electricity consumed in California, generated in-state or imported. Accordingly, GHG emissions associated with CEQA projects' electricity usage are covered by the Cap-and-Trade Program. The Cap-and-Trade Program also covers fuel suppliers (natural gas and propane fuel providers and transportation fuel providers) to address emissions from such fuels and combustion of other fossil fuels not directly covered at large sources in the Program's first compliance period.
	California Light-Duty Vehicle GHG Standards	Pavley I 2005 Regulations to Control GHG Emissions from Motor Vehicles Pavley I 2005 Regulations to Control	<b>Consistent.</b> This measure applies to all new vehicles starting with model year 2012. The Project would not conflict with its implementation as it would apply to all new passenger vehicles purchased in California. Passenger vehicles, model year 2012 and later, associated with construction and operation of the

Scoping Plan Sector	Scoping Plan Measure	Implementing Regulations	Project Consistency
		GHG Emissions from Motor Vehicles	Project would be required to comply with the Pavley emissions standards.
		2012 LEV III California GHG and Criteria Pollutant Exhaust and Evaporative Emission Standards	<b>Consistent.</b> The LEV III amendments provide reductions from new vehicles sold in California between 2017 and 2025. Passenger vehicles associated with the site would comply with LEV III standards.
	Low Carbon Fuel Standard	2009 readopted in 2015. Regulations to Achieve GHG Emission Reductions Subarticle 7. Low Carbon Fuel Standard CCR 95480	<b>Consistent.</b> This measure applies to transportation fuels utilized by vehicles in California. The Project would not conflict with implementation of this measure. Motor vehicles associated with construction and operation of the Project would utilize low carbon transportation fuels as required under this measure.
	Regional Transportation-Related GHG Targets.	SB 375. Cal. Public Resources Code §§ 21155, 21155.1, 21155.2, 21159.28	<b>Consistent.</b> The Project would provide development in the region that is consistent with the growth projections in the RTP/SCS.
	Goods Movement	Goods Movement Action Plan January 2007	<b>Not applicable.</b> The Project does not propose any changes to maritime, rail, or intermodal facilities or forms of transportation.
	Medium/Heavy-Duty Vehicle	2010 Amendments to the Truck and Bus Regulation, the Drayage Truck Regulation and the Tractor-Trailer GHG Regulation	<b>Consistent.</b> This measure applies to medium and heavy-duty vehicles that operate in the state. The Project would not conflict with implementation of this measure. Medium and heavy-duty vehicles associated with construction and operation of the Project would be required to comply with the requirements of this regulation.
	High Speed Rail	Funded under SB 862	<b>Not applicable.</b> This is a statewide measure that cannot be implemented by a project applicant or Lead Agency.
Electricity and Natural Gas	Energy Efficiency	Title 20 Appliance Efficiency Regulation	<b>Consistent.</b> The Project would not conflict with implementation of this measure. The Project would comply with the latest energy efficiency standards.
		Title 24 Part 6 Energy Efficiency Standards for Residential and Non-Residential Building	
		Title 24 Part 11 California Green Building Code Standards	
	Renewable Portfolio Standard/Renewable Electricity Standard.	2010 Regulation to Implement the Renewable Electricity Standard (33% 2020)	<b>Consistent.</b> The Project would obtain electricity from the electric utility, Southern California Edison (SCE). SCE obtained 32 percent of its power supply from renewable sources in 2017. Therefore, the utility would provide power when needed on site that is composed of a greater percentage of renewable sources.
Million Solar Roofs Program	SB 350 Clean Energy and Pollution Reduction Act of 2015 (50% 2030)	<b>Consistent.</b> This measure is to increase solar throughout California, which is being done by various electricity providers and existing solar programs. The program provides incentives that are in place at the time of construction.	
Million Solar Roofs Program	Tax Incentive Program		
Water	Water	Title 24 Part 11	<b>Consistent.</b> The Project would comply with the

Scoping Plan Sector	Scoping Plan Measure	Implementing Regulations	Project Consistency
		California Green Building Code Standards	CalGreen standards, which requires a 20 percent reduction in indoor water use. The Project would also comply with the City's Water-Efficient Landscaping Regulations (Chapter 17.82 of the Rancho Cucamonga Municipal Code).
		SBX 7-7—The Water Conservation Act of 2009	
		Model Water Efficient Landscape Ordinance	
Green Buildings	Green Building Strategy	Title 24 Part 11 California Green Building Code Standards	<b>Consistent.</b> The State is to increase the use of green building practices. The Project would implement required green building strategies through existing regulation that requires the Project to comply with various CalGreen requirements. The Project includes sustainability design features that support the Green Building Strategy.
Industry	Industrial Emissions	2010 CARB Mandatory Reporting Regulation	<b>Not applicable.</b> The Mandatory Reporting Regulation requires facilities and entities with more than 10,000 MTCO <sub>2e</sub> of combustion and process emissions, all facilities belonging to certain industries, and all electric power entities to submit an annual GHG emissions data report directly to CARB. As shown above, total Project GHG emissions would not exceed 10,000 MTCO <sub>2e</sub> . Therefore, this regulation would not apply.
Recycling and Waste Management	Recycling and Waste	Title 24 Part 11 California Green Building Code Standards	<b>Consistent.</b> The Project would not conflict with implementation of these measures. The Project is required to achieve the recycling mandates via compliance with the CALGreen code. The City has consistently achieved its state recycling mandates.
		AB 341 Statewide 75 Percent Diversion Goal	
Forests	Sustainable Forests	Cap and Trade Offset Projects	<b>Not applicable.</b> The Project is in an area designated for urban uses. No forested lands exist on-site.
High Global Warming Potential	High Global Warming Potential Gases	CARB Refrigerant Management Program CCR 95380	<b>Not applicable.</b> The regulations are applicable to refrigerants used by large air conditioning systems and large commercial and industrial refrigerators and cold storage system. The Project would not conflict with the refrigerant management regulations adopted by CARB.
Agriculture	Agriculture	Cap and Trade Offset Projects for Livestock and Rice Cultivation	<b>Not applicable.</b> The Project site is designated for urban development. No grazing, feedlot, or other agricultural activities that generate manure occur currently exist on-site or are proposed to be implemented by the Project.
Source: California Air Resources Board, <i>California's 2017 Climate Change Scoping Plan</i> , November 2017 and CARB, <i>Climate Change Scoping Plan</i> , December 2008.			



The Project is estimated to emit approximately 11,310.41 MTCO<sub>2</sub>e per year directly from on-site activities and indirectly from off-site motor vehicles, a net increase of 9,811.27 MTCO<sub>2</sub>e above existing GHG emissions, see [Table 4](#). The GHG emissions caused by long-term operation of the Project would be less than significant.

Regarding goals for 2050 under Executive Order S-3-05, at this time it is not possible to quantify the emissions savings from future regulatory measures, as they have not yet been developed; nevertheless, it can be anticipated that operation of the Project would benefit from implementation of current and potential future regulations (e.g., improvements in vehicle emissions, SB 100/renewable electricity portfolio improvements, etc.) enacted to meet an 80 percent reduction below 1990 levels by 2050.

The majority of the GHG reductions from the Scoping Plan would result from continuation of the Cap-and-Trade regulation. Assembly Bill 398 (2017) extends the state's Cap-and-Trade program through 2030 and the Scoping Plan provide a comprehensive plan for the state to achieve its GHG targets through a variety of regulations enacted at the state level. Additional reductions are achieved from electricity sector standards (i.e., utility providers to supply 60 percent renewable electricity by 2030 and 100 percent renewable by 2045), doubling the energy efficiency savings at end uses, additional reductions from the LCFS, implementing the short-lived GHG strategy (e.g., hydrofluorocarbons), and implementing the Mobile Source Strategy and Sustainable Freight Action Plan.

Several of the State's plans and policies would contribute to a reduction in mobile source emissions from the Project. These include the CARB's Advanced Clean Truck Regulation, Executive Order N-79-20, CARB's Mobile Source Strategy, CARB's Sustainable Freight Action Plan, and CARB's Emissions Reduction Plan for Ports and Goods Movement. CARB's Advanced Clean Truck Regulation in June 2020 requiring truck manufacturers to transition from diesel trucks and vans to electric zero-emission trucks beginning in 2024. By 2045, every new truck sold in California is required to be zero-emission. The Advanced Clean Truck Regulation accelerates the transition of zero-emission medium-and heavy-duty vehicles from Class 2b to Class 8.

Executive Order N-79-20 establishes the goal for all new passenger cars and trucks, as well as all drayage/cargo trucks and off-road vehicles and equipment, sold in California, will be zero-emission by 2035 and all medium and heavy-duty vehicles will be zero-emission by 2045. It also directs CARB to develop and propose rulemaking for passenger vehicles and trucks, medium-and heavy-duty fleets where feasible, drayage trucks, and off-road vehicles and equipment "requiring increasing volumes" of new ZEVs "towards the target of 100 percent."

CARB's Mobile Source Strategy which include increasing ZEV buses and trucks and their Sustainable Freight Action Plan which improves freight system efficiency, utilizes near-zero emissions technology, and deployment of ZEV trucks. This Plan applies to all trucks accessing the Project site and may include existing trucks or new trucks that are part of the statewide goods movement sector. CARB's Emissions Reduction Plan for Ports and Goods Movement identifies measures to improve goods movement efficiencies such as advanced combustion strategies, friction reduction, waste heat recovery, and electrification of accessories. While these measures are not directly applicable to the Project, any commercial activity associated with goods movement would be required to comply with these measures as adopted. As such, the Project would not interfere with their implementation.

The Project would not obstruct or interfere with efforts to increase ZEVs or state efforts to improve system efficiency. The Project would also benefit from implementation of the State programs for ZEVs and goods movement efficiencies that reduce future GHG emissions from trucks.

**Mitigation Measures:** No mitigation is required.

**Level of Significance:** Less than significant impact.

### 5.3 CUMULATIVE SETTING, IMPACTS, AND MITIGATION MEASURES

#### Cumulative Setting

Climate change is a global problem. GHGs are global pollutants, unlike criteria air pollutants and TACs, which are pollutants of regional and local concern. Whereas pollutants with localized air quality effects have relatively short atmospheric lifetimes (about 1 day), GHGs have much longer atmospheric lifetimes of 1 year to several thousand years that allow them to be dispersed around the globe.

#### Cumulative Impacts

It is generally the case that an individual project of this size and nature is of insufficient magnitude by itself to influence climate change or result in a substantial contribution to the global GHG inventory. GHG impacts are recognized as exclusively cumulative impacts; there are no non-cumulative GHG emission impacts from a climate change perspective. The additive effect of project-related GHGs would not result in a reasonably foreseeable cumulatively considerable contribution to global climate change. In addition, the Project as well as other cumulative related projects would also be subject to all applicable regulatory requirements, which would further reduce GHG emissions. As shown in [Table 5](#) and [Table 6](#), the Project would not conflict with the GHGRP, or the RTP/SCS. As a result, the Project would not conflict with any GHG reduction plans including the CARB Scoping Plan. Therefore, the Project's cumulative contribution of GHG emissions would be less than significant and the Project's cumulative GHG impacts would also be less than cumulatively considerable.

**Mitigation Measures:** No mitigation is required.

**Level of Significance:** Less than significant impact.

## 6 REFERENCES

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6. National Research Council, *Advancing the Science of Climate Change*, 2010.
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11. U.S. EPA, *Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2016*, 2018.
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13. U.S. EPA, *Overview of Greenhouse Gases*, 2018.

## **Appendix A**

### **Greenhouse Gas Emissions Data**

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9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Annual

**9th and Vineyard - 35% Refrigerated**  
**San Bernardino-South Coast County, Annual**

## 1.0 Project Characteristics

### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	8.50	1000sqft	0.20	13,000.00	0
Refrigerated Warehouse-No Rail	358.56	1000sqft	8.23	358,563.00	0
Unrefrigerated Warehouse-No Rail	665.90	1000sqft	15.29	665,904.00	0
Parking Lot	20.00	Acre	20.00	871,200.00	0
City Park	5.59	Acre	5.59	243,585.00	0

### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	32
<b>Climate Zone</b>	10			<b>Operational Year</b>	2021
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	546.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted per the SCE 2018 Corporate Responsibility and Sustainability Report. The report provides intensity factor of CO2e, the CO2 intensity factor is calculated as  $513-25 \times 0.029-298 \times 0.00617=546.4363$  to avoid double counting.

Land Use - Office Space includes 4,500 sf on 2nd floor, warehouse = 1,024,467 sf, 35% unrefrig = 358,563 sf, unrefrig= 665,904 sf, landscape shown as CityPark, parking lot includes parkings spaces,docks,drive aisles, and other improvements

Construction Phase - schedule based on AQ Questionnaire 9/9/19, painting to begin during final 3 months of construction

Off-road Equipment -

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Annual

Off-road Equipment -

Off-road Equipment - added 2 crushing/proc equipment and 2 generators based on concrete and asphalt crushing discussed in construction questionnaire 9/9/19

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT - El Sobrante Landfill is 27.9 miles from the project

Demolition - 4 buildings to be demolished based on Construction Questionnaire 9/9/19

Grading - site is anticipated to be balanced based on Air Quality Questionnaire 9/9/19

Architectural Coating - Rule 1113

Vehicle Trips - 1805 daily trips =  $1805/665.904 = 2.710600927461015401619452653836$ , worker trip modified based on TIA, delivery trips based on Forecasting Metropolitan Commercial and Freight Travel, ave truck trip length rounded up to 25 miles to be conservative

Vehicle Emission Factors - EMFAC2017 San Bernardino County (SC) 2021 with Safe Rule

Vehicle Emission Factors - EMFAC2017 San Bernardino County (SC) 2021 with Safe Rule

Vehicle Emission Factors - EMFAC2017 San Bernardino County (SC) 2021 with Safe Rule

Energy Use -

Construction Off-road Equipment Mitigation - Rule 403

Mobile Commute Mitigation -

Area Mitigation - Rule 1113

Energy Mitigation - CEC - 2019 standards will reduce nonresidential energy use by 30% over 2016 standard, due mainly to lighting upgrades

Water Mitigation - Consistent with current building code, use low flow fixtures and water-efficient mitigation

Waste Mitigation - AB 939 - divert at least 50% of solid waste from landfills

Operational Off-Road Equipment - assume 2 forklifts per building

Fleet Mix - updated based on TIA trip gen table

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Annual

tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	50.00	44.00
tblConstructionPhase	NumDays	30.00	7.00
tblConstructionPhase	NumDays	75.00	36.00
tblConstructionPhase	NumDays	740.00	172.00
tblConstructionPhase	NumDays	55.00	91.00
tblConstructionPhase	NumDays	55.00	88.00
tblFleetMix	HHD	0.06	0.12
tblFleetMix	LDA	0.55	0.44
tblFleetMix	LHD2	5.2670e-003	0.04
tblFleetMix	MH	1.0100e-003	0.00
tblFleetMix	MHD	0.02	0.05
tblFleetMix	OBUS	1.3480e-003	0.00
tblFleetMix	SBUS	8.1200e-004	0.00
tblFleetMix	UBUS	1.6070e-003	0.00
tblGrading	AcresOfGrading	90.00	187.50
tblLandUse	LandUseSquareFeet	8,500.00	13,000.00
tblLandUse	LandUseSquareFeet	358,560.00	358,563.00
tblLandUse	LandUseSquareFeet	665,900.00	665,904.00
tblLandUse	LandUseSquareFeet	243,500.40	243,585.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	Electrical
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	6.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	546.44

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tblTripsAndVMT	HaulingTripLength	20.00	27.90
tblVehicleEF	HHD	1.24	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	3.46	5.64
tblVehicleEF	HHD	0.58	0.81
tblVehicleEF	HHD	1.92	4.3810e-003
tblVehicleEF	HHD	6,983.95	1,107.90
tblVehicleEF	HHD	1,493.95	1,530.36
tblVehicleEF	HHD	5.71	0.04
tblVehicleEF	HHD	28.07	6.15
tblVehicleEF	HHD	2.87	4.04
tblVehicleEF	HHD	20.20	1.89
tblVehicleEF	HHD	0.01	8.6990e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	8.3230e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8320e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	1.0000e-006
tblVehicleEF	HHD	9.3000e-005	6.0000e-006
tblVehicleEF	HHD	3.4490e-003	1.9400e-004
tblVehicleEF	HHD	0.89	0.43
tblVehicleEF	HHD	5.7000e-005	4.0000e-006



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tblVehicleEF	HHD	0.09	0.13
tblVehicleEF	HHD	2.4200e-004	9.6100e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	9.3000e-005	6.0000e-006
tblVehicleEF	HHD	3.4490e-003	1.9400e-004
tblVehicleEF	HHD	1.02	0.50
tblVehicleEF	HHD	5.7000e-005	4.0000e-006
tblVehicleEF	HHD	0.13	0.28
tblVehicleEF	HHD	2.4200e-004	9.6100e-004
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	1.17	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	2.52	5.49
tblVehicleEF	HHD	0.58	0.82
tblVehicleEF	HHD	1.80	4.1360e-003
tblVehicleEF	HHD	7,395.94	1,107.11
tblVehicleEF	HHD	1,493.95	1,530.36
tblVehicleEF	HHD	5.71	0.04
tblVehicleEF	HHD	28.97	6.00
tblVehicleEF	HHD	2.70	3.82
tblVehicleEF	HHD	20.19	1.89
tblVehicleEF	HHD	0.01	8.0470e-003
tblVehicleEF	HHD	0.06	0.06

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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	7.6990e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8320e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.8400e-004	1.2000e-005
tblVehicleEF	HHD	3.9090e-003	2.2100e-004
tblVehicleEF	HHD	0.84	0.45
tblVehicleEF	HHD	1.2900e-004	8.0000e-006
tblVehicleEF	HHD	0.09	0.13
tblVehicleEF	HHD	2.4800e-004	9.8700e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.7000e-005	0.00
tblVehicleEF	HHD	1.8400e-004	1.2000e-005
tblVehicleEF	HHD	3.9090e-003	2.2100e-004
tblVehicleEF	HHD	0.97	0.52
tblVehicleEF	HHD	1.2900e-004	8.0000e-006
tblVehicleEF	HHD	0.13	0.28
tblVehicleEF	HHD	2.4800e-004	9.8700e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	1.34	0.03
tblVehicleEF	HHD	0.04	0.14

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tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	4.76	5.84
tblVehicleEF	HHD	0.58	0.81
tblVehicleEF	HHD	1.89	4.3470e-003
tblVehicleEF	HHD	6,415.00	1,109.00
tblVehicleEF	HHD	1,493.95	1,530.36
tblVehicleEF	HHD	5.71	0.04
tblVehicleEF	HHD	26.84	6.35
tblVehicleEF	HHD	2.83	3.98
tblVehicleEF	HHD	20.20	1.89
tblVehicleEF	HHD	0.02	9.6000e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	1.0000e-006
tblVehicleEF	HHD	0.02	9.1850e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8320e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	1.0000e-006
tblVehicleEF	HHD	9.4000e-005	7.0000e-006
tblVehicleEF	HHD	3.7830e-003	2.2700e-004
tblVehicleEF	HHD	0.96	0.41
tblVehicleEF	HHD	5.6000e-005	4.0000e-006
tblVehicleEF	HHD	0.09	0.13
tblVehicleEF	HHD	2.5900e-004	1.0070e-003
tblVehicleEF	HHD	0.06	1.0000e-006

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tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	9.4000e-005	7.0000e-006
tblVehicleEF	HHD	3.7830e-003	2.2700e-004
tblVehicleEF	HHD	1.10	0.48
tblVehicleEF	HHD	5.6000e-005	4.0000e-006
tblVehicleEF	HHD	0.13	0.28
tblVehicleEF	HHD	2.5900e-004	1.0070e-003
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	LDA	4.6640e-003	2.8720e-003
tblVehicleEF	LDA	6.4640e-003	0.05
tblVehicleEF	LDA	0.62	0.73
tblVehicleEF	LDA	1.32	2.18
tblVehicleEF	LDA	261.85	271.31
tblVehicleEF	LDA	59.28	55.38
tblVehicleEF	LDA	0.06	0.04
tblVehicleEF	LDA	0.09	0.19
tblVehicleEF	LDA	1.7130e-003	1.5970e-003
tblVehicleEF	LDA	2.3020e-003	1.9420e-003
tblVehicleEF	LDA	1.5790e-003	1.4700e-003
tblVehicleEF	LDA	2.1170e-003	1.7850e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22

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tblVehicleEF	LDA	0.09	0.24
tblVehicleEF	LDA	2.6230e-003	2.6840e-003
tblVehicleEF	LDA	6.1500e-004	5.4800e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.10	0.26
tblVehicleEF	LDA	5.3170e-003	3.2410e-003
tblVehicleEF	LDA	5.3900e-003	0.05
tblVehicleEF	LDA	0.76	0.88
tblVehicleEF	LDA	1.10	1.83
tblVehicleEF	LDA	286.52	293.82
tblVehicleEF	LDA	59.28	54.72
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.7130e-003	1.5970e-003
tblVehicleEF	LDA	2.3020e-003	1.9420e-003
tblVehicleEF	LDA	1.5790e-003	1.4700e-003
tblVehicleEF	LDA	2.1170e-003	1.7850e-003
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDA	0.13	0.12
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.07	0.21

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tblVehicleEF	LDA	2.8710e-003	2.9070e-003
tblVehicleEF	LDA	6.1100e-004	5.4100e-004
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDA	0.13	0.12
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.08	0.23
tblVehicleEF	LDA	4.5320e-003	2.8130e-003
tblVehicleEF	LDA	6.4200e-003	0.05
tblVehicleEF	LDA	0.58	0.70
tblVehicleEF	LDA	1.30	2.18
tblVehicleEF	LDA	256.02	267.12
tblVehicleEF	LDA	59.28	55.39
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.09	0.19
tblVehicleEF	LDA	1.7130e-003	1.5970e-003
tblVehicleEF	LDA	2.3020e-003	1.9420e-003
tblVehicleEF	LDA	1.5790e-003	1.4700e-003
tblVehicleEF	LDA	2.1170e-003	1.7850e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.09	0.24
tblVehicleEF	LDA	2.5640e-003	2.6430e-003

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tblVehicleEF	LDA	6.1500e-004	5.4800e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.09	0.27
tblVehicleEF	LDT1	0.02	8.7920e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.71	1.72
tblVehicleEF	LDT1	4.02	2.48
tblVehicleEF	LDT1	323.73	321.83
tblVehicleEF	LDT1	72.77	67.22
tblVehicleEF	LDT1	0.18	0.15
tblVehicleEF	LDT1	0.24	0.32
tblVehicleEF	LDT1	2.8630e-003	2.5670e-003
tblVehicleEF	LDT1	3.8930e-003	3.0690e-003
tblVehicleEF	LDT1	2.6370e-003	2.3630e-003
tblVehicleEF	LDT1	3.5800e-003	2.8220e-003
tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.93
tblVehicleEF	LDT1	0.29	0.47
tblVehicleEF	LDT1	3.2600e-003	3.1850e-003
tblVehicleEF	LDT1	7.9900e-004	6.6500e-004

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tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.15
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.21	0.93
tblVehicleEF	LDT1	0.31	0.52
tblVehicleEF	LDT1	0.02	9.8170e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	2.05	2.04
tblVehicleEF	LDT1	3.30	2.07
tblVehicleEF	LDT1	352.65	345.31
tblVehicleEF	LDT1	72.77	66.35
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.22	0.30
tblVehicleEF	LDT1	2.8630e-003	2.5670e-003
tblVehicleEF	LDT1	3.8930e-003	3.0690e-003
tblVehicleEF	LDT1	2.6370e-003	2.3630e-003
tblVehicleEF	LDT1	3.5800e-003	2.8220e-003
tblVehicleEF	LDT1	0.40	0.39
tblVehicleEF	LDT1	0.44	0.34
tblVehicleEF	LDT1	0.29	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.92
tblVehicleEF	LDT1	0.24	0.41
tblVehicleEF	LDT1	3.5540e-003	3.4170e-003
tblVehicleEF	LDT1	7.8600e-004	6.5700e-004
tblVehicleEF	LDT1	0.40	0.39



## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Annual

tblVehicleEF	LDT1	0.44	0.34
tblVehicleEF	LDT1	0.29	0.28
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.21	0.92
tblVehicleEF	LDT1	0.26	0.44
tblVehicleEF	LDT1	0.01	8.6230e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.62	1.66
tblVehicleEF	LDT1	3.95	2.48
tblVehicleEF	LDT1	316.91	317.45
tblVehicleEF	LDT1	72.77	67.23
tblVehicleEF	LDT1	0.17	0.14
tblVehicleEF	LDT1	0.24	0.32
tblVehicleEF	LDT1	2.8630e-003	2.5670e-003
tblVehicleEF	LDT1	3.8930e-003	3.0690e-003
tblVehicleEF	LDT1	2.6370e-003	2.3630e-003
tblVehicleEF	LDT1	3.5800e-003	2.8220e-003
tblVehicleEF	LDT1	0.20	0.21
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.25	1.09
tblVehicleEF	LDT1	0.28	0.48
tblVehicleEF	LDT1	3.1900e-003	3.1410e-003
tblVehicleEF	LDT1	7.9800e-004	6.6500e-004
tblVehicleEF	LDT1	0.20	0.21
tblVehicleEF	LDT1	0.41	0.33

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tblVehicleEF	LDT1	0.12	0.14
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.25	1.09
tblVehicleEF	LDT1	0.31	0.52
tblVehicleEF	LDT2	6.9330e-003	4.9710e-003
tblVehicleEF	LDT2	9.2890e-003	0.08
tblVehicleEF	LDT2	0.85	1.09
tblVehicleEF	LDT2	1.85	2.81
tblVehicleEF	LDT2	363.70	346.08
tblVehicleEF	LDT2	81.97	72.43
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.16	0.33
tblVehicleEF	LDT2	1.7370e-003	1.6820e-003
tblVehicleEF	LDT2	2.4180e-003	2.0130e-003
tblVehicleEF	LDT2	1.5980e-003	1.5480e-003
tblVehicleEF	LDT2	2.2230e-003	1.8510e-003
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.13	0.36
tblVehicleEF	LDT2	3.6440e-003	3.4240e-003
tblVehicleEF	LDT2	8.5100e-004	7.1700e-004
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.06	0.09

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tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.14	0.40
tblVehicleEF	LDT2	7.8730e-003	5.5830e-003
tblVehicleEF	LDT2	7.7350e-003	0.07
tblVehicleEF	LDT2	1.04	1.31
tblVehicleEF	LDT2	1.53	2.36
tblVehicleEF	LDT2	397.09	369.05
tblVehicleEF	LDT2	81.97	71.54
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.15	0.31
tblVehicleEF	LDT2	1.7370e-003	1.6820e-003
tblVehicleEF	LDT2	2.4180e-003	2.0130e-003
tblVehicleEF	LDT2	1.5980e-003	1.5480e-003
tblVehicleEF	LDT2	2.2230e-003	1.8510e-003
tblVehicleEF	LDT2	0.14	0.19
tblVehicleEF	LDT2	0.16	0.17
tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.46
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	3.9810e-003	3.6510e-003
tblVehicleEF	LDT2	8.4600e-004	7.0800e-004
tblVehicleEF	LDT2	0.14	0.19
tblVehicleEF	LDT2	0.16	0.17
tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.03	0.03

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tblVehicleEF	LDT2	0.07	0.46
tblVehicleEF	LDT2	0.11	0.34
tblVehicleEF	LDT2	6.7430e-003	4.8730e-003
tblVehicleEF	LDT2	9.2200e-003	0.08
tblVehicleEF	LDT2	0.81	1.05
tblVehicleEF	LDT2	1.82	2.82
tblVehicleEF	LDT2	355.82	341.80
tblVehicleEF	LDT2	81.97	72.45
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.16	0.33
tblVehicleEF	LDT2	1.7370e-003	1.6820e-003
tblVehicleEF	LDT2	2.4180e-003	2.0130e-003
tblVehicleEF	LDT2	1.5980e-003	1.5480e-003
tblVehicleEF	LDT2	2.2230e-003	1.8510e-003
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.55
tblVehicleEF	LDT2	0.12	0.37
tblVehicleEF	LDT2	3.5650e-003	3.3820e-003
tblVehicleEF	LDT2	8.5100e-004	7.1700e-004
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.55

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tblVehicleEF	LDT2	0.14	0.40
tblVehicleEF	LHD1	5.4860e-003	5.2260e-003
tblVehicleEF	LHD1	0.01	6.6980e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.16	0.82
tblVehicleEF	LHD1	2.77	1.07
tblVehicleEF	LHD1	9.23	9.31
tblVehicleEF	LHD1	614.92	661.60
tblVehicleEF	LHD1	30.92	11.44
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.26	1.38
tblVehicleEF	LHD1	1.02	0.33
tblVehicleEF	LHD1	9.6600e-004	8.7500e-004
tblVehicleEF	LHD1	0.01	9.8530e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7200e-004
tblVehicleEF	LHD1	9.2400e-004	8.3700e-004
tblVehicleEF	LHD1	2.5280e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.2600e-004	2.5000e-004
tblVehicleEF	LHD1	3.7970e-003	3.2010e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8480e-003	1.6460e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.58

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD1	0.29	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	6.0360e-003	6.4470e-003
tblVehicleEF	LHD1	3.6200e-004	1.1300e-004
tblVehicleEF	LHD1	3.7970e-003	3.2010e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8480e-003	1.6460e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD1	5.4860e-003	5.2390e-003
tblVehicleEF	LHD1	0.01	6.8390e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.18	0.83
tblVehicleEF	LHD1	2.58	1.02
tblVehicleEF	LHD1	9.23	9.31
tblVehicleEF	LHD1	614.92	661.62
tblVehicleEF	LHD1	30.92	11.34
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.12	1.29
tblVehicleEF	LHD1	0.97	0.32
tblVehicleEF	LHD1	9.6600e-004	8.7500e-004
tblVehicleEF	LHD1	0.01	9.8530e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7200e-004

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD1	9.2400e-004	8.3700e-004
tblVehicleEF	LHD1	2.5280e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.2600e-004	2.5000e-004
tblVehicleEF	LHD1	7.5090e-003	5.7800e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.2150e-003	3.1920e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	6.0370e-003	6.4470e-003
tblVehicleEF	LHD1	3.5800e-004	1.1200e-004
tblVehicleEF	LHD1	7.5090e-003	5.7800e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.2150e-003	3.1920e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.30	0.09
tblVehicleEF	LHD1	5.4860e-003	5.2270e-003
tblVehicleEF	LHD1	0.01	6.7060e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.16	0.82
tblVehicleEF	LHD1	2.72	1.06

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD1	9.23	9.31
tblVehicleEF	LHD1	614.92	661.60
tblVehicleEF	LHD1	30.92	11.43
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.22	1.36
tblVehicleEF	LHD1	1.00	0.33
tblVehicleEF	LHD1	9.6600e-004	8.7500e-004
tblVehicleEF	LHD1	0.01	9.8530e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7200e-004
tblVehicleEF	LHD1	9.2400e-004	8.3700e-004
tblVehicleEF	LHD1	2.5280e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.2600e-004	2.5000e-004
tblVehicleEF	LHD1	4.1760e-003	3.3430e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8200e-003	1.6790e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.38	0.63
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	6.0360e-003	6.4470e-003
tblVehicleEF	LHD1	3.6100e-004	1.1300e-004
tblVehicleEF	LHD1	4.1760e-003	3.3430e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03



## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD1	1.8200e-003	1.6790e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.38	0.63
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD2	3.8190e-003	3.8230e-003
tblVehicleEF	LHD2	5.2410e-003	4.4730e-003
tblVehicleEF	LHD2	9.1660e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.55	0.54
tblVehicleEF	LHD2	1.29	0.70
tblVehicleEF	LHD2	14.32	14.19
tblVehicleEF	LHD2	614.63	675.54
tblVehicleEF	LHD2	24.89	9.01
tblVehicleEF	LHD2	0.12	0.11
tblVehicleEF	LHD2	1.69	1.49
tblVehicleEF	LHD2	0.56	0.23
tblVehicleEF	LHD2	1.3030e-003	1.2910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.4500e-004
tblVehicleEF	LHD2	1.2470e-003	1.2360e-003
tblVehicleEF	LHD2	2.6810e-003	2.6480e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.3300e-004
tblVehicleEF	LHD2	1.4000e-003	1.7970e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD2	7.3800e-004	9.5100e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	1.4000e-004	1.3600e-004
tblVehicleEF	LHD2	5.9810e-003	6.5320e-003
tblVehicleEF	LHD2	2.7300e-004	8.9000e-005
tblVehicleEF	LHD2	1.4000e-003	1.7970e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.3800e-004	9.5100e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.14	0.06
tblVehicleEF	LHD2	3.8190e-003	3.8330e-003
tblVehicleEF	LHD2	5.3190e-003	4.5210e-003
tblVehicleEF	LHD2	8.7380e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.56	0.55
tblVehicleEF	LHD2	1.21	0.67
tblVehicleEF	LHD2	14.32	14.19
tblVehicleEF	LHD2	614.63	675.55
tblVehicleEF	LHD2	24.89	8.94
tblVehicleEF	LHD2	0.12	0.11
tblVehicleEF	LHD2	1.59	1.41
tblVehicleEF	LHD2	0.54	0.22
tblVehicleEF	LHD2	1.3030e-003	1.2910e-003

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.4500e-004
tblVehicleEF	LHD2	1.2470e-003	1.2360e-003
tblVehicleEF	LHD2	2.6810e-003	2.6480e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.3300e-004
tblVehicleEF	LHD2	2.7070e-003	3.2440e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.6130e-003	1.8360e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	1.4000e-004	1.3600e-004
tblVehicleEF	LHD2	5.9810e-003	6.5320e-003
tblVehicleEF	LHD2	2.7100e-004	8.8000e-005
tblVehicleEF	LHD2	2.7070e-003	3.2440e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.6130e-003	1.8360e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	LHD2	3.8190e-003	3.8240e-003
tblVehicleEF	LHD2	5.2490e-003	4.4770e-003
tblVehicleEF	LHD2	9.0820e-003	0.01

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.55	0.54
tblVehicleEF	LHD2	1.27	0.70
tblVehicleEF	LHD2	14.32	14.19
tblVehicleEF	LHD2	614.63	675.54
tblVehicleEF	LHD2	24.89	9.00
tblVehicleEF	LHD2	0.12	0.11
tblVehicleEF	LHD2	1.67	1.47
tblVehicleEF	LHD2	0.55	0.23
tblVehicleEF	LHD2	1.3030e-003	1.2910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.4500e-004
tblVehicleEF	LHD2	1.2470e-003	1.2360e-003
tblVehicleEF	LHD2	2.6810e-003	2.6480e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.3300e-004
tblVehicleEF	LHD2	1.4600e-003	1.8290e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5600e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.36
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	1.4000e-004	1.3600e-004
tblVehicleEF	LHD2	5.9810e-003	6.5320e-003
tblVehicleEF	LHD2	2.7200e-004	8.9000e-005

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD2	1.4600e-003	1.8290e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5600e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.36
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	21.02	19.60
tblVehicleEF	MCY	9.91	8.58
tblVehicleEF	MCY	167.12	212.10
tblVehicleEF	MCY	46.87	61.05
tblVehicleEF	MCY	1.17	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8190e-003	1.9180e-003
tblVehicleEF	MCY	3.7460e-003	3.0150e-003
tblVehicleEF	MCY	1.7050e-003	1.7950e-003
tblVehicleEF	MCY	3.5370e-003	2.8420e-003
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.85	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.26	2.35
tblVehicleEF	MCY	0.50	1.97
tblVehicleEF	MCY	2.17	1.85
tblVehicleEF	MCY	2.0790e-003	2.0990e-003
tblVehicleEF	MCY	6.9500e-004	6.0400e-004

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Annual

tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.85	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.76	2.88
tblVehicleEF	MCY	0.50	1.97
tblVehicleEF	MCY	2.37	2.02
tblVehicleEF	MCY	0.41	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	21.14	19.61
tblVehicleEF	MCY	9.06	7.90
tblVehicleEF	MCY	167.12	211.94
tblVehicleEF	MCY	46.87	59.22
tblVehicleEF	MCY	0.99	0.98
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.8190e-003	1.9180e-003
tblVehicleEF	MCY	3.7460e-003	3.0150e-003
tblVehicleEF	MCY	1.7050e-003	1.7950e-003
tblVehicleEF	MCY	3.5370e-003	2.8420e-003
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.28	1.12
tblVehicleEF	MCY	2.14	1.77
tblVehicleEF	MCY	2.19	2.30
tblVehicleEF	MCY	0.50	1.94
tblVehicleEF	MCY	1.87	1.62
tblVehicleEF	MCY	2.0790e-003	2.0970e-003
tblVehicleEF	MCY	6.7100e-004	5.8600e-004
tblVehicleEF	MCY	3.14	2.77

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Annual

tblVehicleEF	MCY	1.28	1.12
tblVehicleEF	MCY	2.14	1.77
tblVehicleEF	MCY	2.69	2.83
tblVehicleEF	MCY	0.50	1.94
tblVehicleEF	MCY	2.03	1.77
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	20.06	19.08
tblVehicleEF	MCY	9.53	8.41
tblVehicleEF	MCY	167.12	211.21
tblVehicleEF	MCY	46.87	60.69
tblVehicleEF	MCY	1.13	1.10
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8190e-003	1.9180e-003
tblVehicleEF	MCY	3.7460e-003	3.0150e-003
tblVehicleEF	MCY	1.7050e-003	1.7950e-003
tblVehicleEF	MCY	3.5370e-003	2.8420e-003
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.14	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.22	2.33
tblVehicleEF	MCY	0.57	2.24
tblVehicleEF	MCY	2.10	1.82
tblVehicleEF	MCY	2.0630e-003	2.0900e-003
tblVehicleEF	MCY	6.8600e-004	6.0100e-004
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.14	1.06

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Annual

tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.71	2.86
tblVehicleEF	MCY	0.57	2.24
tblVehicleEF	MCY	2.28	1.98
tblVehicleEF	MDV	0.01	6.4810e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.55	1.30
tblVehicleEF	MDV	3.59	3.43
tblVehicleEF	MDV	498.66	426.46
tblVehicleEF	MDV	110.76	89.79
tblVehicleEF	MDV	0.20	0.13
tblVehicleEF	MDV	0.36	0.42
tblVehicleEF	MDV	1.8680e-003	1.7780e-003
tblVehicleEF	MDV	2.5890e-003	2.1460e-003
tblVehicleEF	MDV	1.7240e-003	1.6400e-003
tblVehicleEF	MDV	2.3820e-003	1.9750e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.51
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	5.0000e-003	4.2170e-003
tblVehicleEF	MDV	1.1710e-003	8.8900e-004
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.21	0.18
tblVehicleEF	MDV	0.09	0.11



## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Annual

tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.51
tblVehicleEF	MDV	0.31	0.53
tblVehicleEF	MDV	0.02	7.2390e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.87	1.54
tblVehicleEF	MDV	2.99	2.88
tblVehicleEF	MDV	542.90	450.72
tblVehicleEF	MDV	110.76	88.68
tblVehicleEF	MDV	0.18	0.11
tblVehicleEF	MDV	0.33	0.39
tblVehicleEF	MDV	1.8680e-003	1.7780e-003
tblVehicleEF	MDV	2.5890e-003	2.1460e-003
tblVehicleEF	MDV	1.7240e-003	1.6400e-003
tblVehicleEF	MDV	2.3820e-003	1.9750e-003
tblVehicleEF	MDV	0.21	0.22
tblVehicleEF	MDV	0.24	0.20
tblVehicleEF	MDV	0.18	0.19
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.24	0.41
tblVehicleEF	MDV	5.4470e-003	4.4570e-003
tblVehicleEF	MDV	1.1600e-003	8.7800e-004
tblVehicleEF	MDV	0.21	0.22
tblVehicleEF	MDV	0.24	0.20
tblVehicleEF	MDV	0.18	0.19
tblVehicleEF	MDV	0.06	0.05

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Annual

tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.26	0.45
tblVehicleEF	MDV	0.01	6.3480e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.47	1.25
tblVehicleEF	MDV	3.53	3.44
tblVehicleEF	MDV	488.33	421.93
tblVehicleEF	MDV	110.76	89.81
tblVehicleEF	MDV	0.19	0.12
tblVehicleEF	MDV	0.35	0.41
tblVehicleEF	MDV	1.8680e-003	1.7780e-003
tblVehicleEF	MDV	2.5890e-003	2.1460e-003
tblVehicleEF	MDV	1.7240e-003	1.6400e-003
tblVehicleEF	MDV	2.3820e-003	1.9750e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.59
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	4.8960e-003	4.1720e-003
tblVehicleEF	MDV	1.1700e-003	8.8900e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.13	0.59

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Annual

tblVehicleEF	MDV	0.31	0.53
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.60	1.54
tblVehicleEF	MH	6.96	2.24
tblVehicleEF	MH	1,048.28	1,507.66
tblVehicleEF	MH	59.91	19.53
tblVehicleEF	MH	1.64	1.53
tblVehicleEF	MH	0.95	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.7100e-004
tblVehicleEF	MH	3.2210e-003	3.2700e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	2.4900e-004
tblVehicleEF	MH	1.56	1.22
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.54	0.44
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.62
tblVehicleEF	MH	0.40	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.2000e-004	1.9300e-004
tblVehicleEF	MH	1.56	1.22
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.54	0.44
tblVehicleEF	MH	0.17	0.10

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Annual

tblVehicleEF	MH	0.03	1.62
tblVehicleEF	MH	0.44	0.11
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.74	1.58
tblVehicleEF	MH	6.31	2.08
tblVehicleEF	MH	1,048.28	1,507.73
tblVehicleEF	MH	59.91	19.26
tblVehicleEF	MH	1.50	1.42
tblVehicleEF	MH	0.90	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.7100e-004
tblVehicleEF	MH	3.2210e-003	3.2700e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	2.4900e-004
tblVehicleEF	MH	3.12	2.17
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.30	0.88
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.61
tblVehicleEF	MH	0.37	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0900e-004	1.9100e-004
tblVehicleEF	MH	3.12	2.17
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	1.30	0.88

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Annual

tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.61
tblVehicleEF	MH	0.41	0.11
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.61	1.54
tblVehicleEF	MH	6.87	2.24
tblVehicleEF	MH	1,048.28	1,507.66
tblVehicleEF	MH	59.91	19.53
tblVehicleEF	MH	1.61	1.50
tblVehicleEF	MH	0.94	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.2510e-003	2.7100e-004
tblVehicleEF	MH	3.2210e-003	3.2700e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1500e-003	2.4900e-004
tblVehicleEF	MH	1.88	1.37
tblVehicleEF	MH	0.12	0.09
tblVehicleEF	MH	0.56	0.47
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.71
tblVehicleEF	MH	0.40	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.1900e-004	1.9300e-004
tblVehicleEF	MH	1.88	1.37
tblVehicleEF	MH	0.12	0.09

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Annual

tblVehicleEF	MH	0.56	0.47
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.71
tblVehicleEF	MH	0.43	0.11
tblVehicleEF	MHD	0.02	2.5780e-003
tblVehicleEF	MHD	4.1450e-003	5.9780e-003
tblVehicleEF	MHD	0.06	6.7400e-003
tblVehicleEF	MHD	0.33	0.31
tblVehicleEF	MHD	0.31	0.52
tblVehicleEF	MHD	6.00	0.79
tblVehicleEF	MHD	155.10	71.13
tblVehicleEF	MHD	1,105.72	1,006.19
tblVehicleEF	MHD	53.92	6.51
tblVehicleEF	MHD	0.63	0.62
tblVehicleEF	MHD	1.08	2.32
tblVehicleEF	MHD	11.74	1.28
tblVehicleEF	MHD	4.3700e-004	2.0960e-003
tblVehicleEF	MHD	5.5780e-003	0.07
tblVehicleEF	MHD	8.2200e-004	8.0000e-005
tblVehicleEF	MHD	4.1800e-004	2.0050e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	7.3000e-005
tblVehicleEF	MHD	1.4330e-003	5.0000e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	7.1400e-004	2.5900e-004
tblVehicleEF	MHD	0.04	0.11

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Annual

tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.36	0.04
tblVehicleEF	MHD	1.4910e-003	6.7400e-004
tblVehicleEF	MHD	0.01	9.5620e-003
tblVehicleEF	MHD	6.4400e-004	6.4000e-005
tblVehicleEF	MHD	1.4330e-003	5.0000e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.1400e-004	2.5900e-004
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.40	0.04
tblVehicleEF	MHD	0.02	2.4500e-003
tblVehicleEF	MHD	4.2290e-003	6.0070e-003
tblVehicleEF	MHD	0.05	6.4700e-003
tblVehicleEF	MHD	0.24	0.26
tblVehicleEF	MHD	0.32	0.52
tblVehicleEF	MHD	5.61	0.75
tblVehicleEF	MHD	164.29	72.33
tblVehicleEF	MHD	1,105.72	1,006.20
tblVehicleEF	MHD	53.92	6.44
tblVehicleEF	MHD	0.65	0.63
tblVehicleEF	MHD	1.01	2.18
tblVehicleEF	MHD	11.70	1.28
tblVehicleEF	MHD	3.6900e-004	1.7700e-003
tblVehicleEF	MHD	5.5780e-003	0.07
tblVehicleEF	MHD	8.2200e-004	8.0000e-005

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Annual

tblVehicleEF	MHD	3.5300e-004	1.6930e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	7.3000e-005
tblVehicleEF	MHD	2.8480e-003	9.1700e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.6690e-003	5.2200e-004
tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.35	0.03
tblVehicleEF	MHD	1.5770e-003	6.8500e-004
tblVehicleEF	MHD	0.01	9.5630e-003
tblVehicleEF	MHD	6.3800e-004	6.4000e-005
tblVehicleEF	MHD	2.8480e-003	9.1700e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.6690e-003	5.2200e-004
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.38	0.04
tblVehicleEF	MHD	0.02	2.7650e-003
tblVehicleEF	MHD	4.1530e-003	5.9780e-003
tblVehicleEF	MHD	0.06	6.6910e-003
tblVehicleEF	MHD	0.46	0.38
tblVehicleEF	MHD	0.31	0.52
tblVehicleEF	MHD	5.90	0.78
tblVehicleEF	MHD	142.41	69.48



## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Annual

tblVehicleEF	MHD	1,105.72	1,006.19
tblVehicleEF	MHD	53.92	6.50
tblVehicleEF	MHD	0.60	0.61
tblVehicleEF	MHD	1.06	2.28
tblVehicleEF	MHD	11.73	1.28
tblVehicleEF	MHD	5.3200e-004	2.5470e-003
tblVehicleEF	MHD	5.5780e-003	0.07
tblVehicleEF	MHD	8.2200e-004	8.0000e-005
tblVehicleEF	MHD	5.0900e-004	2.4370e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	7.3000e-005
tblVehicleEF	MHD	1.5800e-003	5.2700e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.0500e-004	2.6500e-004
tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.36	0.04
tblVehicleEF	MHD	1.3710e-003	6.5800e-004
tblVehicleEF	MHD	0.01	9.5620e-003
tblVehicleEF	MHD	6.4300e-004	6.4000e-005
tblVehicleEF	MHD	1.5800e-003	5.2700e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	7.0500e-004	2.6500e-004
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.10

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Annual

tblVehicleEF	MHD	0.39	0.04
tblVehicleEF	OBUS	0.01	9.0870e-003
tblVehicleEF	OBUS	0.01	8.8680e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.53
tblVehicleEF	OBUS	0.73	0.98
tblVehicleEF	OBUS	6.67	2.51
tblVehicleEF	OBUS	70.21	78.17
tblVehicleEF	OBUS	1,126.32	1,439.48
tblVehicleEF	OBUS	71.08	20.77
tblVehicleEF	OBUS	0.32	0.46
tblVehicleEF	OBUS	1.10	1.64
tblVehicleEF	OBUS	1.97	0.63
tblVehicleEF	OBUS	1.1300e-004	1.7960e-003
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.1800e-004
tblVehicleEF	OBUS	1.0800e-004	1.7180e-003
tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	2.0000e-004
tblVehicleEF	OBUS	2.2350e-003	2.6450e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	9.4600e-004	1.1230e-003
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.41	0.12
tblVehicleEF	OBUS	6.8200e-004	7.4500e-004

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Annual

tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2800e-004	2.0500e-004
tblVehicleEF	OBUS	2.2350e-003	2.6450e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.4600e-004	1.1230e-003
tblVehicleEF	OBUS	0.06	0.11
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.45	0.13
tblVehicleEF	OBUS	0.01	9.1120e-003
tblVehicleEF	OBUS	0.01	9.0270e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.50
tblVehicleEF	OBUS	0.75	0.99
tblVehicleEF	OBUS	6.11	2.33
tblVehicleEF	OBUS	73.34	78.62
tblVehicleEF	OBUS	1,126.32	1,439.51
tblVehicleEF	OBUS	71.08	20.47
tblVehicleEF	OBUS	0.33	0.46
tblVehicleEF	OBUS	1.02	1.53
tblVehicleEF	OBUS	1.92	0.62
tblVehicleEF	OBUS	9.5000e-005	1.5180e-003
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.1800e-004
tblVehicleEF	OBUS	9.1000e-005	1.4520e-003
tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	2.0000e-004

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Annual

tblVehicleEF	OBUS	4.3510e-003	4.7740e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	2.1830e-003	2.2390e-003
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.39	0.12
tblVehicleEF	OBUS	7.1200e-004	7.4900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1800e-004	2.0300e-004
tblVehicleEF	OBUS	4.3510e-003	4.7740e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.1830e-003	2.2390e-003
tblVehicleEF	OBUS	0.07	0.11
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	OBUS	0.01	9.0830e-003
tblVehicleEF	OBUS	0.01	8.8720e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.56
tblVehicleEF	OBUS	0.73	0.98
tblVehicleEF	OBUS	6.62	2.51
tblVehicleEF	OBUS	65.88	77.54
tblVehicleEF	OBUS	1,126.32	1,439.48
tblVehicleEF	OBUS	71.08	20.78
tblVehicleEF	OBUS	0.31	0.46

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Annual

tblVehicleEF	OBUS	1.08	1.61
tblVehicleEF	OBUS	1.96	0.62
tblVehicleEF	OBUS	1.3700e-004	2.1800e-003
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.1800e-004
tblVehicleEF	OBUS	1.3100e-004	2.0860e-003
tblVehicleEF	OBUS	5.1650e-003	0.03
tblVehicleEF	OBUS	8.3900e-004	2.0000e-004
tblVehicleEF	OBUS	2.3980e-003	2.8110e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	9.5900e-004	1.1780e-003
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.30
tblVehicleEF	OBUS	0.41	0.12
tblVehicleEF	OBUS	6.4100e-004	7.3900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2700e-004	2.0600e-004
tblVehicleEF	OBUS	2.3980e-003	2.8110e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.5900e-004	1.1780e-003
tblVehicleEF	OBUS	0.06	0.11
tblVehicleEF	OBUS	0.05	0.30
tblVehicleEF	OBUS	0.45	0.13
tblVehicleEF	SBUS	0.86	0.06
tblVehicleEF	SBUS	0.01	9.3510e-003

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Annual

tblVehicleEF	SBUS	0.07	6.0110e-003
tblVehicleEF	SBUS	5.64	2.44
tblVehicleEF	SBUS	0.71	0.85
tblVehicleEF	SBUS	5.49	0.82
tblVehicleEF	SBUS	1,270.71	346.38
tblVehicleEF	SBUS	1,144.20	1,125.90
tblVehicleEF	SBUS	36.06	4.74
tblVehicleEF	SBUS	12.46	3.40
tblVehicleEF	SBUS	5.17	5.50
tblVehicleEF	SBUS	15.23	0.84
tblVehicleEF	SBUS	0.01	4.8620e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	4.1000e-005
tblVehicleEF	SBUS	0.01	4.6520e-003
tblVehicleEF	SBUS	2.7630e-003	2.7030e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	3.8000e-005
tblVehicleEF	SBUS	3.0740e-003	1.3250e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.3130e-003	6.0000e-004
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.28	0.03
tblVehicleEF	SBUS	0.01	3.3010e-003
tblVehicleEF	SBUS	0.01	0.01

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Annual

tblVehicleEF	SBUS	4.5600e-004	4.7000e-005
tblVehicleEF	SBUS	3.0740e-003	1.3250e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.97	0.39
tblVehicleEF	SBUS	1.3130e-003	6.0000e-004
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.31	0.04
tblVehicleEF	SBUS	0.86	0.06
tblVehicleEF	SBUS	0.01	9.4940e-003
tblVehicleEF	SBUS	0.06	5.0320e-003
tblVehicleEF	SBUS	5.48	2.40
tblVehicleEF	SBUS	0.72	0.87
tblVehicleEF	SBUS	3.76	0.59
tblVehicleEF	SBUS	1,335.64	354.98
tblVehicleEF	SBUS	1,144.20	1,125.93
tblVehicleEF	SBUS	36.06	4.36
tblVehicleEF	SBUS	12.86	3.47
tblVehicleEF	SBUS	4.84	5.16
tblVehicleEF	SBUS	15.20	0.83
tblVehicleEF	SBUS	0.01	4.1060e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	4.1000e-005
tblVehicleEF	SBUS	0.01	3.9280e-003
tblVehicleEF	SBUS	2.7630e-003	2.7030e-003
tblVehicleEF	SBUS	0.03	0.03

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Annual

tblVehicleEF	SBUS	4.6500e-004	3.8000e-005
tblVehicleEF	SBUS	5.9210e-003	2.3540e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.67	0.28
tblVehicleEF	SBUS	2.9370e-003	1.1400e-003
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	9.6420e-003	0.07
tblVehicleEF	SBUS	0.23	0.03
tblVehicleEF	SBUS	0.01	3.3820e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.2700e-004	4.3000e-005
tblVehicleEF	SBUS	5.9210e-003	2.3540e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.96	0.39
tblVehicleEF	SBUS	2.9370e-003	1.1400e-003
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	9.6420e-003	0.07
tblVehicleEF	SBUS	0.25	0.03
tblVehicleEF	SBUS	0.86	0.06
tblVehicleEF	SBUS	0.01	9.3430e-003
tblVehicleEF	SBUS	0.07	6.1930e-003
tblVehicleEF	SBUS	5.85	2.50
tblVehicleEF	SBUS	0.71	0.85
tblVehicleEF	SBUS	5.54	0.86
tblVehicleEF	SBUS	1,181.05	334.50
tblVehicleEF	SBUS	1,144.20	1,125.90
tblVehicleEF	SBUS	36.06	4.80



## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Annual

tblVehicleEF	SBUS	11.91	3.29
tblVehicleEF	SBUS	5.09	5.42
tblVehicleEF	SBUS	15.23	0.84
tblVehicleEF	SBUS	0.02	5.9060e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0600e-004	4.1000e-005
tblVehicleEF	SBUS	0.02	5.6510e-003
tblVehicleEF	SBUS	2.7630e-003	2.7030e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	3.8000e-005
tblVehicleEF	SBUS	3.2090e-003	1.3400e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.2980e-003	6.1900e-004
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.01	0.09
tblVehicleEF	SBUS	0.29	0.04
tblVehicleEF	SBUS	0.01	3.1880e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.5600e-004	4.8000e-005
tblVehicleEF	SBUS	3.2090e-003	1.3400e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.97	0.40
tblVehicleEF	SBUS	1.2980e-003	6.1900e-004
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.01	0.09

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Annual

tblVehicleEF	SBUS	0.32	0.04
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	9.79	34.75
tblVehicleEF	UBUS	14.93	0.93
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	11.84
tblVehicleEF	UBUS	6.43	0.38
tblVehicleEF	UBUS	13.77	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6530e-003
tblVehicleEF	UBUS	1.3790e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.07	2.5270e-003
tblVehicleEF	UBUS	1.2680e-003	1.3000e-004
tblVehicleEF	UBUS	8.4220e-003	1.0750e-003
tblVehicleEF	UBUS	0.12	7.9950e-003
tblVehicleEF	UBUS	4.0730e-003	6.3000e-004
tblVehicleEF	UBUS	0.66	0.07
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.19	0.04
tblVehicleEF	UBUS	0.01	3.0270e-003
tblVehicleEF	UBUS	1.6230e-003	1.1700e-004
tblVehicleEF	UBUS	8.4220e-003	1.0750e-003
tblVehicleEF	UBUS	0.12	7.9950e-003

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Annual

tblVehicleEF	UBUS	4.0730e-003	6.3000e-004
tblVehicleEF	UBUS	2.68	4.54
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.30	0.04
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.08	9.3650e-003
tblVehicleEF	UBUS	9.90	34.75
tblVehicleEF	UBUS	12.23	0.79
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	11.61
tblVehicleEF	UBUS	5.98	0.38
tblVehicleEF	UBUS	13.65	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6530e-003
tblVehicleEF	UBUS	1.3790e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.07	2.5270e-003
tblVehicleEF	UBUS	1.2680e-003	1.3000e-004
tblVehicleEF	UBUS	0.02	1.9730e-003
tblVehicleEF	UBUS	0.15	9.6930e-003
tblVehicleEF	UBUS	9.6640e-003	1.3010e-003
tblVehicleEF	UBUS	0.67	0.07
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.06	0.03
tblVehicleEF	UBUS	0.01	3.0270e-003

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Annual

tblVehicleEF	UBUS	1.5760e-003	1.1500e-004
tblVehicleEF	UBUS	0.02	1.9730e-003
tblVehicleEF	UBUS	0.15	9.6930e-003
tblVehicleEF	UBUS	9.6640e-003	1.3010e-003
tblVehicleEF	UBUS	2.69	4.54
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.16	0.04
tblVehicleEF	UBUS	1.95	4.45
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	9.80	34.75
tblVehicleEF	UBUS	14.43	0.94
tblVehicleEF	UBUS	1,861.83	1,692.28
tblVehicleEF	UBUS	135.15	11.87
tblVehicleEF	UBUS	6.31	0.38
tblVehicleEF	UBUS	13.74	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6530e-003
tblVehicleEF	UBUS	1.3790e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.07	2.5270e-003
tblVehicleEF	UBUS	1.2680e-003	1.3000e-004
tblVehicleEF	UBUS	9.6690e-003	1.1090e-003
tblVehicleEF	UBUS	0.15	9.1160e-003
tblVehicleEF	UBUS	4.2700e-003	6.4000e-004
tblVehicleEF	UBUS	0.66	0.07

## 9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Annual

tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.17	0.04
tblVehicleEF	UBUS	0.01	3.0270e-003
tblVehicleEF	UBUS	1.6140e-003	1.1700e-004
tblVehicleEF	UBUS	9.6690e-003	1.1090e-003
tblVehicleEF	UBUS	0.15	9.1160e-003
tblVehicleEF	UBUS	4.2700e-003	6.4000e-004
tblVehicleEF	UBUS	2.68	4.54
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.28	0.04
tblVehicleTrips	CNW_TL	6.90	25.00
tblVehicleTrips	CNW_TTP	41.00	20.00
tblVehicleTrips	CW_TL	16.60	9.50
tblVehicleTrips	CW_TTP	59.00	80.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	ST_TR	1.68	2.71
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.68	2.71
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	11.03	0.00

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tblVehicleTrips	WD_TR	1.68	0.00
tblVehicleTrips	WD_TR	1.68	2.71

**2.0 Emissions Summary**

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9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	9-1-2020	11-30-2020	1.7809	1.7809
2	12-1-2020	2-28-2021	1.9089	1.9089
3	3-1-2021	5-31-2021	2.2106	2.2106
4	6-1-2021	8-31-2021	4.1769	4.1769
5	9-1-2021	9-30-2021	0.7131	0.7131
		Highest	4.1769	4.1769

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.3017	1.2000e-004	0.0136	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0263	0.0263	7.0000e-005	0.0000	0.0280
Energy	0.1076	0.9782	0.8217	5.8700e-003		0.0744	0.0744		0.0744	0.0744	0.0000	5,111.2172	5,111.2172	0.2352	0.0640	5,136.1538
Mobile	1.1078	7.7200	11.2151	0.0457	3.2060	0.1069	3.3129	0.8649	0.1018	0.9667	0.0000	4,379.3044	4,379.3044	0.2305	0.0000	4,385.0675
Offroad	0.1009	0.9197	0.9109	1.1900e-003		0.0653	0.0653		0.0601	0.0601	0.0000	104.7472	104.7472	0.0339	0.0000	105.5942
Waste						0.0000	0.0000		0.0000	0.0000	197.1834	0.0000	197.1834	11.6532	0.0000	488.5135
Water						0.0000	0.0000		0.0000	0.0000	75.6388	790.3577	865.9964	7.8108	0.1921	1,118.5166
<b>Total</b>	<b>5.6180</b>	<b>9.6181</b>	<b>12.9613</b>	<b>0.0528</b>	<b>3.2060</b>	<b>0.2466</b>	<b>3.4526</b>	<b>0.8649</b>	<b>0.2362</b>	<b>1.1011</b>	<b>272.8221</b>	<b>10,385.6527</b>	<b>10,658.4748</b>	<b>19.9636</b>	<b>0.2561</b>	<b>11,233.8736</b>



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**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.3017	1.2000e-004	0.0136	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0263	0.0263	7.0000e-005	0.0000	0.0280
Energy	0.1035	0.9409	0.7903	5.6500e-003		0.0715	0.0715		0.0715	0.0715	0.0000	5,020.9677	5,020.9677	0.2317	0.0627	5,045.4346
Mobile	1.1078	7.7200	11.2151	0.0457	3.2060	0.1069	3.3129	0.8649	0.1018	0.9667	0.0000	4,379.3044	4,379.3044	0.2305	0.0000	4,385.0675
Offroad	0.1009	0.9197	0.9109	1.1900e-003		0.0653	0.0653		0.0601	0.0601	0.0000	104.7472	104.7472	0.0339	0.0000	105.5942
Waste						0.0000	0.0000		0.0000	0.0000	98.5917	0.0000	98.5917	5.8266	0.0000	244.2568
Water						0.0000	0.0000		0.0000	0.0000	60.5110	635.1900	695.7010	6.2488	0.1537	897.7304
<b>Total</b>	<b>5.6139</b>	<b>9.5807</b>	<b>12.9299</b>	<b>0.0526</b>	<b>3.2060</b>	<b>0.2437</b>	<b>3.4497</b>	<b>0.8649</b>	<b>0.2334</b>	<b>1.0983</b>	<b>159.1027</b>	<b>10,140.2355</b>	<b>10,299.3382</b>	<b>12.5716</b>	<b>0.2164</b>	<b>10,678.1115</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.07</b>	<b>0.39</b>	<b>0.24</b>	<b>0.42</b>	<b>0.00</b>	<b>1.16</b>	<b>0.08</b>	<b>0.00</b>	<b>1.21</b>	<b>0.26</b>	<b>41.68</b>	<b>2.36</b>	<b>3.37</b>	<b>37.03</b>	<b>15.50</b>	<b>4.95</b>

**3.0 Construction Detail**

**Construction Phase**

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2020	10/30/2020	5	44	
2	Site Preparation	Site Preparation	11/1/2020	11/10/2020	5	7	
3	Grading	Grading	11/11/2020	12/30/2020	5	36	
4	Building Construction	Building Construction	12/31/2020	8/27/2021	5	172	
5	Architectural Coating	Architectural Coating	5/23/2021	9/27/2021	5	91	
6	Paving	Paving	6/27/2021	10/27/2021	5	88	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 187.5**

**Acres of Paving: 20**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,556,201; Non-Residential Outdoor: 518,734; Striped Parking Area: 52,272 (Architectural Coating – sqft)**

**OffRoad Equipment**

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Crushing/Proc. Equipment	2	8.00	85	0.78
Demolition	Excavators	3	8.00	158	0.38
Demolition	Generator Sets	2	8.00	84	0.74
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	10	25.00	0.00	549.00	14.70	6.90	27.90	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	903.00	353.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	181.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

- Replace Ground Cover
- Water Exposed Area
- Water Unpaved Roads
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads

**3.2 Demolition - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0594	0.0000	0.0594	9.0000e-003	0.0000	9.0000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1148	1.0506	0.8331	1.4500e-003		0.0557	0.0557		0.0532	0.0532	0.0000	126.1915	126.1915	0.0245	0.0000	126.8034
<b>Total</b>	<b>0.1148</b>	<b>1.0506</b>	<b>0.8331</b>	<b>1.4500e-003</b>	<b>0.0594</b>	<b>0.0557</b>	<b>0.1151</b>	<b>9.0000e-003</b>	<b>0.0532</b>	<b>0.0622</b>	<b>0.0000</b>	<b>126.1915</b>	<b>126.1915</b>	<b>0.0245</b>	<b>0.0000</b>	<b>126.8034</b>

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**3.2 Demolition - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.1800e-003	0.0847	0.0134	2.8000e-004	6.5900e-003	2.8000e-004	6.8700e-003	1.8100e-003	2.7000e-004	2.0800e-003	0.0000	27.0488	27.0488	1.3200e-003	0.0000	27.0817
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7200e-003	2.1400e-003	0.0213	6.0000e-005	6.0300e-003	4.0000e-005	6.0700e-003	1.6000e-003	4.0000e-005	1.6400e-003	0.0000	5.1690	5.1690	1.6000e-004	0.0000	5.1729
<b>Total</b>	<b>4.9000e-003</b>	<b>0.0869</b>	<b>0.0347</b>	<b>3.4000e-004</b>	<b>0.0126</b>	<b>3.2000e-004</b>	<b>0.0129</b>	<b>3.4100e-003</b>	<b>3.1000e-004</b>	<b>3.7200e-003</b>	<b>0.0000</b>	<b>32.2178</b>	<b>32.2178</b>	<b>1.4800e-003</b>	<b>0.0000</b>	<b>32.2546</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0254	0.0000	0.0254	3.8500e-003	0.0000	3.8500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1148	1.0506	0.8331	1.4500e-003		0.0557	0.0557		0.0532	0.0532	0.0000	126.1914	126.1914	0.0245	0.0000	126.8033
<b>Total</b>	<b>0.1148</b>	<b>1.0506</b>	<b>0.8331</b>	<b>1.4500e-003</b>	<b>0.0254</b>	<b>0.0557</b>	<b>0.0811</b>	<b>3.8500e-003</b>	<b>0.0532</b>	<b>0.0570</b>	<b>0.0000</b>	<b>126.1914</b>	<b>126.1914</b>	<b>0.0245</b>	<b>0.0000</b>	<b>126.8033</b>

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**3.2 Demolition - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.1800e-003	0.0847	0.0134	2.8000e-004	6.1400e-003	2.8000e-004	6.4200e-003	1.7000e-003	2.7000e-004	1.9700e-003	0.0000	27.0488	27.0488	1.3200e-003	0.0000	27.0817
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7200e-003	2.1400e-003	0.0213	6.0000e-005	5.5600e-003	4.0000e-005	5.6000e-003	1.4900e-003	4.0000e-005	1.5200e-003	0.0000	5.1690	5.1690	1.6000e-004	0.0000	5.1729
<b>Total</b>	<b>4.9000e-003</b>	<b>0.0869</b>	<b>0.0347</b>	<b>3.4000e-004</b>	<b>0.0117</b>	<b>3.2000e-004</b>	<b>0.0120</b>	<b>3.1900e-003</b>	<b>3.1000e-004</b>	<b>3.4900e-003</b>	<b>0.0000</b>	<b>32.2178</b>	<b>32.2178</b>	<b>1.4800e-003</b>	<b>0.0000</b>	<b>32.2546</b>

**3.3 Site Preparation - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0632	0.0000	0.0632	0.0348	0.0000	0.0348	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0143	0.1485	0.0753	1.3000e-004		7.6900e-003	7.6900e-003		7.0800e-003	7.0800e-003	0.0000	11.7007	11.7007	3.7800e-003	0.0000	11.7953
<b>Total</b>	<b>0.0143</b>	<b>0.1485</b>	<b>0.0753</b>	<b>1.3000e-004</b>	<b>0.0632</b>	<b>7.6900e-003</b>	<b>0.0709</b>	<b>0.0348</b>	<b>7.0800e-003</b>	<b>0.0418</b>	<b>0.0000</b>	<b>11.7007</b>	<b>11.7007</b>	<b>3.7800e-003</b>	<b>0.0000</b>	<b>11.7953</b>

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**3.3 Site Preparation - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	2.4000e-004	2.4400e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5921	0.5921	2.0000e-005	0.0000	0.5925
<b>Total</b>	<b>3.1000e-004</b>	<b>2.4000e-004</b>	<b>2.4400e-003</b>	<b>1.0000e-005</b>	<b>6.9000e-004</b>	<b>0.0000</b>	<b>7.0000e-004</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>0.5921</b>	<b>0.5921</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.5925</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0270	0.0000	0.0270	0.0149	0.0000	0.0149	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0143	0.1485	0.0753	1.3000e-004		7.6900e-003	7.6900e-003		7.0800e-003	7.0800e-003	0.0000	11.7007	11.7007	3.7800e-003	0.0000	11.7953
<b>Total</b>	<b>0.0143</b>	<b>0.1485</b>	<b>0.0753</b>	<b>1.3000e-004</b>	<b>0.0270</b>	<b>7.6900e-003</b>	<b>0.0347</b>	<b>0.0149</b>	<b>7.0800e-003</b>	<b>0.0219</b>	<b>0.0000</b>	<b>11.7007</b>	<b>11.7007</b>	<b>3.7800e-003</b>	<b>0.0000</b>	<b>11.7953</b>

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**3.3 Site Preparation - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	2.4000e-004	2.4400e-003	1.0000e-005	6.4000e-004	0.0000	6.4000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.5921	0.5921	2.0000e-005	0.0000	0.5925
<b>Total</b>	<b>3.1000e-004</b>	<b>2.4000e-004</b>	<b>2.4400e-003</b>	<b>1.0000e-005</b>	<b>6.4000e-004</b>	<b>0.0000</b>	<b>6.4000e-004</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>0.5921</b>	<b>0.5921</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.5925</b>

**3.4 Grading - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2078	0.0000	0.2078	0.0703	0.0000	0.0703	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0801	0.9036	0.5753	1.1200e-003		0.0391	0.0391		0.0360	0.0360	0.0000	98.0717	98.0717	0.0317	0.0000	98.8647
<b>Total</b>	<b>0.0801</b>	<b>0.9036</b>	<b>0.5753</b>	<b>1.1200e-003</b>	<b>0.2078</b>	<b>0.0391</b>	<b>0.2470</b>	<b>0.0703</b>	<b>0.0360</b>	<b>0.1063</b>	<b>0.0000</b>	<b>98.0717</b>	<b>98.0717</b>	<b>0.0317</b>	<b>0.0000</b>	<b>98.8647</b>



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**3.4 Grading - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7800e-003	1.4000e-003	0.0140	4.0000e-005	3.9500e-003	3.0000e-005	3.9700e-003	1.0500e-003	2.0000e-005	1.0700e-003	0.0000	3.3834	3.3834	1.0000e-004	0.0000	3.3859
<b>Total</b>	<b>1.7800e-003</b>	<b>1.4000e-003</b>	<b>0.0140</b>	<b>4.0000e-005</b>	<b>3.9500e-003</b>	<b>3.0000e-005</b>	<b>3.9700e-003</b>	<b>1.0500e-003</b>	<b>2.0000e-005</b>	<b>1.0700e-003</b>	<b>0.0000</b>	<b>3.3834</b>	<b>3.3834</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>3.3859</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0888	0.0000	0.0888	0.0301	0.0000	0.0301	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0801	0.9036	0.5753	1.1200e-003		0.0391	0.0391		0.0360	0.0360	0.0000	98.0716	98.0716	0.0317	0.0000	98.8646
<b>Total</b>	<b>0.0801</b>	<b>0.9036</b>	<b>0.5753</b>	<b>1.1200e-003</b>	<b>0.0888</b>	<b>0.0391</b>	<b>0.1280</b>	<b>0.0301</b>	<b>0.0360</b>	<b>0.0661</b>	<b>0.0000</b>	<b>98.0716</b>	<b>98.0716</b>	<b>0.0317</b>	<b>0.0000</b>	<b>98.8646</b>

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**3.4 Grading - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7800e-003	1.4000e-003	0.0140	4.0000e-005	3.6400e-003	3.0000e-005	3.6700e-003	9.7000e-004	2.0000e-005	1.0000e-003	0.0000	3.3834	3.3834	1.0000e-004	0.0000	3.3859
<b>Total</b>	<b>1.7800e-003</b>	<b>1.4000e-003</b>	<b>0.0140</b>	<b>4.0000e-005</b>	<b>3.6400e-003</b>	<b>3.0000e-005</b>	<b>3.6700e-003</b>	<b>9.7000e-004</b>	<b>2.0000e-005</b>	<b>1.0000e-003</b>	<b>0.0000</b>	<b>3.3834</b>	<b>3.3834</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>3.3859</b>

**3.5 Building Construction - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0600e-003	9.5900e-003	8.4200e-003	1.0000e-005		5.6000e-004	5.6000e-004		5.3000e-004	5.3000e-004	0.0000	1.1581	1.1581	2.8000e-004	0.0000	1.1651
<b>Total</b>	<b>1.0600e-003</b>	<b>9.5900e-003</b>	<b>8.4200e-003</b>	<b>1.0000e-005</b>		<b>5.6000e-004</b>	<b>5.6000e-004</b>		<b>5.3000e-004</b>	<b>5.3000e-004</b>	<b>0.0000</b>	<b>1.1581</b>	<b>1.1581</b>	<b>2.8000e-004</b>	<b>0.0000</b>	<b>1.1651</b>

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**3.5 Building Construction - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.5000e-004	0.0188	3.9400e-003	5.0000e-005	1.1100e-003	9.0000e-005	1.2000e-003	3.2000e-004	8.0000e-005	4.0000e-004	0.0000	4.5064	4.5064	3.1000e-004	0.0000	4.5141
Worker	2.2300e-003	1.7500e-003	0.0175	5.0000e-005	4.9500e-003	3.0000e-005	4.9800e-003	1.3100e-003	3.0000e-005	1.3500e-003	0.0000	4.2433	4.2433	1.3000e-004	0.0000	4.2465
<b>Total</b>	<b>2.7800e-003</b>	<b>0.0206</b>	<b>0.0215</b>	<b>1.0000e-004</b>	<b>6.0600e-003</b>	<b>1.2000e-004</b>	<b>6.1800e-003</b>	<b>1.6300e-003</b>	<b>1.1000e-004</b>	<b>1.7500e-003</b>	<b>0.0000</b>	<b>8.7496</b>	<b>8.7496</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>8.7606</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0600e-003	9.5900e-003	8.4200e-003	1.0000e-005		5.6000e-004	5.6000e-004		5.3000e-004	5.3000e-004	0.0000	1.1581	1.1581	2.8000e-004	0.0000	1.1651
<b>Total</b>	<b>1.0600e-003</b>	<b>9.5900e-003</b>	<b>8.4200e-003</b>	<b>1.0000e-005</b>		<b>5.6000e-004</b>	<b>5.6000e-004</b>		<b>5.3000e-004</b>	<b>5.3000e-004</b>	<b>0.0000</b>	<b>1.1581</b>	<b>1.1581</b>	<b>2.8000e-004</b>	<b>0.0000</b>	<b>1.1651</b>

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**3.5 Building Construction - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.5000e-004	0.0188	3.9400e-003	5.0000e-005	1.0400e-003	9.0000e-005	1.1300e-003	3.0000e-004	8.0000e-005	3.9000e-004	0.0000	4.5064	4.5064	3.1000e-004	0.0000	4.5141
Worker	2.2300e-003	1.7500e-003	0.0175	5.0000e-005	4.5600e-003	3.0000e-005	4.6000e-003	1.2200e-003	3.0000e-005	1.2500e-003	0.0000	4.2433	4.2433	1.3000e-004	0.0000	4.2465
<b>Total</b>	<b>2.7800e-003</b>	<b>0.0206</b>	<b>0.0215</b>	<b>1.0000e-004</b>	<b>5.6000e-003</b>	<b>1.2000e-004</b>	<b>5.7300e-003</b>	<b>1.5200e-003</b>	<b>1.1000e-004</b>	<b>1.6400e-003</b>	<b>0.0000</b>	<b>8.7496</b>	<b>8.7496</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>8.7606</b>

**3.5 Building Construction - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1625	1.4904	1.4172	2.3000e-003		0.0820	0.0820		0.0771	0.0771	0.0000	198.0499	198.0499	0.0478	0.0000	199.2444
<b>Total</b>	<b>0.1625</b>	<b>1.4904</b>	<b>1.4172</b>	<b>2.3000e-003</b>		<b>0.0820</b>	<b>0.0820</b>		<b>0.0771</b>	<b>0.0771</b>	<b>0.0000</b>	<b>198.0499</b>	<b>198.0499</b>	<b>0.0478</b>	<b>0.0000</b>	<b>199.2444</b>

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**3.5 Building Construction - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0800	2.9363	0.5974	8.0100e-003	0.1903	5.0500e-003	0.1953	0.0549	4.8300e-003	0.0598	0.0000	766.4993	766.4993	0.0516	0.0000	767.7904
Worker	0.3554	0.2686	2.7510	7.7700e-003	0.8465	5.5200e-003	0.8521	0.2248	5.0800e-003	0.2299	0.0000	702.5023	702.5023	0.0197	0.0000	702.9939
<b>Total</b>	<b>0.4354</b>	<b>3.2049</b>	<b>3.3484</b>	<b>0.0158</b>	<b>1.0368</b>	<b>0.0106</b>	<b>1.0474</b>	<b>0.2798</b>	<b>9.9100e-003</b>	<b>0.2897</b>	<b>0.0000</b>	<b>1,469.0016</b>	<b>1,469.0016</b>	<b>0.0713</b>	<b>0.0000</b>	<b>1,470.7843</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1625	1.4904	1.4172	2.3000e-003		0.0820	0.0820		0.0771	0.0771	0.0000	198.0496	198.0496	0.0478	0.0000	199.2442
<b>Total</b>	<b>0.1625</b>	<b>1.4904</b>	<b>1.4172</b>	<b>2.3000e-003</b>		<b>0.0820</b>	<b>0.0820</b>		<b>0.0771</b>	<b>0.0771</b>	<b>0.0000</b>	<b>198.0496</b>	<b>198.0496</b>	<b>0.0478</b>	<b>0.0000</b>	<b>199.2442</b>

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**3.5 Building Construction - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0800	2.9363	0.5974	8.0100e-003	0.1782	5.0500e-003	0.1832	0.0519	4.8300e-003	0.0568	0.0000	766.4993	766.4993	0.0516	0.0000	767.7904
Worker	0.3554	0.2686	2.7510	7.7700e-003	0.7805	5.5200e-003	0.7860	0.2086	5.0800e-003	0.2137	0.0000	702.5023	702.5023	0.0197	0.0000	702.9939
<b>Total</b>	<b>0.4354</b>	<b>3.2049</b>	<b>3.3484</b>	<b>0.0158</b>	<b>0.9587</b>	<b>0.0106</b>	<b>0.9692</b>	<b>0.2606</b>	<b>9.9100e-003</b>	<b>0.2705</b>	<b>0.0000</b>	<b>1,469.0016</b>	<b>1,469.0016</b>	<b>0.0713</b>	<b>0.0000</b>	<b>1,470.7843</b>

**3.6 Architectural Coating - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.4649					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.9600e-003	0.0695	0.0827	1.4000e-004		4.2800e-003	4.2800e-003		4.2800e-003	4.2800e-003	0.0000	11.6173	11.6173	8.0000e-004	0.0000	11.6372
<b>Total</b>	<b>2.4749</b>	<b>0.0695</b>	<b>0.0827</b>	<b>1.4000e-004</b>		<b>4.2800e-003</b>	<b>4.2800e-003</b>		<b>4.2800e-003</b>	<b>4.2800e-003</b>	<b>0.0000</b>	<b>11.6173</b>	<b>11.6173</b>	<b>8.0000e-004</b>	<b>0.0000</b>	<b>11.6372</b>

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**3.6 Architectural Coating - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0379	0.0287	0.2934	8.3000e-004	0.0903	5.9000e-004	0.0909	0.0240	5.4000e-004	0.0245	0.0000	74.9349	74.9349	2.1000e-003	0.0000	74.9873
<b>Total</b>	<b>0.0379</b>	<b>0.0287</b>	<b>0.2934</b>	<b>8.3000e-004</b>	<b>0.0903</b>	<b>5.9000e-004</b>	<b>0.0909</b>	<b>0.0240</b>	<b>5.4000e-004</b>	<b>0.0245</b>	<b>0.0000</b>	<b>74.9349</b>	<b>74.9349</b>	<b>2.1000e-003</b>	<b>0.0000</b>	<b>74.9873</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.4649					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.9600e-003	0.0695	0.0827	1.4000e-004		4.2800e-003	4.2800e-003		4.2800e-003	4.2800e-003	0.0000	11.6173	11.6173	8.0000e-004	0.0000	11.6372
<b>Total</b>	<b>2.4749</b>	<b>0.0695</b>	<b>0.0827</b>	<b>1.4000e-004</b>		<b>4.2800e-003</b>	<b>4.2800e-003</b>		<b>4.2800e-003</b>	<b>4.2800e-003</b>	<b>0.0000</b>	<b>11.6173</b>	<b>11.6173</b>	<b>8.0000e-004</b>	<b>0.0000</b>	<b>11.6372</b>

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**3.6 Architectural Coating - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0379	0.0287	0.2934	8.3000e-004	0.0833	5.9000e-004	0.0838	0.0223	5.4000e-004	0.0228	0.0000	74.9349	74.9349	2.1000e-003	0.0000	74.9873
<b>Total</b>	<b>0.0379</b>	<b>0.0287</b>	<b>0.2934</b>	<b>8.3000e-004</b>	<b>0.0833</b>	<b>5.9000e-004</b>	<b>0.0838</b>	<b>0.0223</b>	<b>5.4000e-004</b>	<b>0.0228</b>	<b>0.0000</b>	<b>74.9349</b>	<b>74.9349</b>	<b>2.1000e-003</b>	<b>0.0000</b>	<b>74.9873</b>

**3.7 Paving - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0552	0.5684	0.6447	1.0000e-003		0.0298	0.0298		0.0274	0.0274	0.0000	88.1033	88.1033	0.0285	0.0000	88.8157
Paving	0.0262					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0814</b>	<b>0.5684</b>	<b>0.6447</b>	<b>1.0000e-003</b>		<b>0.0298</b>	<b>0.0298</b>		<b>0.0274</b>	<b>0.0274</b>	<b>0.0000</b>	<b>88.1033</b>	<b>88.1033</b>	<b>0.0285</b>	<b>0.0000</b>	<b>88.8157</b>



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**3.7 Paving - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0400e-003	2.3000e-003	0.0235	7.0000e-005	7.2400e-003	5.0000e-005	7.2800e-003	1.9200e-003	4.0000e-005	1.9700e-003	0.0000	6.0053	6.0053	1.7000e-004	0.0000	6.0096
<b>Total</b>	<b>3.0400e-003</b>	<b>2.3000e-003</b>	<b>0.0235</b>	<b>7.0000e-005</b>	<b>7.2400e-003</b>	<b>5.0000e-005</b>	<b>7.2800e-003</b>	<b>1.9200e-003</b>	<b>4.0000e-005</b>	<b>1.9700e-003</b>	<b>0.0000</b>	<b>6.0053</b>	<b>6.0053</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>6.0096</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0552	0.5684	0.6447	1.0000e-003		0.0298	0.0298		0.0274	0.0274	0.0000	88.1032	88.1032	0.0285	0.0000	88.8156
Paving	0.0262					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0814</b>	<b>0.5684</b>	<b>0.6447</b>	<b>1.0000e-003</b>		<b>0.0298</b>	<b>0.0298</b>		<b>0.0274</b>	<b>0.0274</b>	<b>0.0000</b>	<b>88.1032</b>	<b>88.1032</b>	<b>0.0285</b>	<b>0.0000</b>	<b>88.8156</b>

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**3.7 Paving - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0400e-003	2.3000e-003	0.0235	7.0000e-005	6.6700e-003	5.0000e-005	6.7200e-003	1.7800e-003	4.0000e-005	1.8300e-003	0.0000	6.0053	6.0053	1.7000e-004	0.0000	6.0096
<b>Total</b>	<b>3.0400e-003</b>	<b>2.3000e-003</b>	<b>0.0235</b>	<b>7.0000e-005</b>	<b>6.6700e-003</b>	<b>5.0000e-005</b>	<b>6.7200e-003</b>	<b>1.7800e-003</b>	<b>4.0000e-005</b>	<b>1.8300e-003</b>	<b>0.0000</b>	<b>6.0053</b>	<b>6.0053</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>6.0096</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.1078	7.7200	11.2151	0.0457	3.2060	0.1069	3.3129	0.8649	0.1018	0.9667	0.0000	4,379.304 4	4,379.304 4	0.2305	0.0000	4,385.067 5
Unmitigated	1.1078	7.7200	11.2151	0.0457	3.2060	0.1069	3.3129	0.8649	0.1018	0.9667	0.0000	4,379.304 4	4,379.304 4	0.2305	0.0000	4,385.067 5

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	1,805.25	1,805.25	1,805.25	8,279,621	8,279,621
<b>Total</b>	<b>1,805.25</b>	<b>1,805.25</b>	<b>1,805.25</b>	<b>8,279,621</b>	<b>8,279,621</b>

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	9.50	8.40	25.00	80.00	0.00	20.00	100	0	0

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**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
General Office Building	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Parking Lot	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Refrigerated Warehouse-No Rail	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Unrefrigerated Warehouse-No Rail	0.436542	0.037123	0.179649	0.119457	0.017229	0.035000	0.046000	0.123000	0.000000	0.000000	0.006000	0.000000	0.000000

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	3,996.7326	3,996.7326	0.2121	0.0439	4,015.1130
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	4,046.2828	4,046.2828	0.2147	0.0444	4,064.8911
Natural Gas Mitigated	0.1035	0.9409	0.7903	5.6500e-003		0.0715	0.0715		0.0715	0.0715	0.0000	1,024.2351	1,024.2351	0.0196	0.0188	1,030.3217
Natural Gas Unmitigated	0.1076	0.9782	0.8217	5.8700e-003		0.0744	0.0744		0.0744	0.0744	0.0000	1,064.9344	1,064.9344	0.0204	0.0195	1,071.2627

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**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	45110	2.4000e-004	2.2100e-003	1.8600e-003	1.0000e-005		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	2.4072	2.4072	5.0000e-005	4.0000e-005	2.4216
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	1.85592e+007	0.1001	0.9098	0.7642	5.4600e-003		0.0691	0.0691		0.0691	0.0691	0.0000	990.3907	990.3907	0.0190	0.0182	996.2761
Unrefrigerated Warehouse-No Rail	1.35179e+006	7.2900e-003	0.0663	0.0557	4.0000e-004		5.0400e-003	5.0400e-003		5.0400e-003	5.0400e-003	0.0000	72.1364	72.1364	1.3800e-003	1.3200e-003	72.5651
<b>Total</b>		<b>0.1076</b>	<b>0.9782</b>	<b>0.8217</b>	<b>5.8700e-003</b>		<b>0.0744</b>	<b>0.0744</b>		<b>0.0744</b>	<b>0.0744</b>	<b>0.0000</b>	<b>1,064.9343</b>	<b>1,064.9343</b>	<b>0.0204</b>	<b>0.0195</b>	<b>1,071.2627</b>

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**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	31577	1.7000e-004	1.5500e-003	1.3000e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	1.6851	1.6851	3.0000e-005	3.0000e-005	1.6951
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	1.82096e+007	0.0982	0.8926	0.7498	5.3600e-003		0.0678	0.0678		0.0678	0.0678	0.0000	971.7348	971.7348	0.0186	0.0178	977.5093
Unrefrigerated Warehouse-No Rail	952243	5.1300e-003	0.0467	0.0392	2.8000e-004		3.5500e-003	3.5500e-003		3.5500e-003	3.5500e-003	0.0000	50.8153	50.8153	9.7000e-004	9.3000e-004	51.1173
<b>Total</b>		<b>0.1035</b>	<b>0.9409</b>	<b>0.7903</b>	<b>5.6500e-003</b>		<b>0.0715</b>	<b>0.0715</b>		<b>0.0715</b>	<b>0.0715</b>	<b>0.0000</b>	<b>1,024.2351</b>	<b>1,024.2351</b>	<b>0.0196</b>	<b>0.0188</b>	<b>1,030.3217</b>

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

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	123760	30.6753	1.6300e-003	3.4000e-004	30.8164
Parking Lot	304920	75.5778	4.0100e-003	8.3000e-004	75.9254
Refrigerated Warehouse-No Rail	1.43246e+007	3,550.5079	0.1884	0.0390	3,566.8362
Unrefrigerated Warehouse-No Rail	1.57153e+006	389.5219	0.0207	4.2800e-003	391.3132
<b>Total</b>		<b>4,046.2828</b>	<b>0.2147</b>	<b>0.0444</b>	<b>4,064.8911</b>

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**5.3 Energy by Land Use - Electricity**

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	111787	27.7076	1.4700e-003	3.0000e-004	27.8351
Parking Lot	304920	75.5778	4.0100e-003	8.3000e-004	75.9254
Refrigerated Warehouse-No Rail	1.42106e+007	3,522.2460	0.1869	0.0387	3,538.4443
Unrefrigerated Warehouse-No Rail	1.49762e+006	371.2011	0.0197	4.0800e-003	372.9082
<b>Total</b>		<b>3,996.7326</b>	<b>0.2121</b>	<b>0.0439</b>	<b>4,015.1130</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior



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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.3017	1.2000e-004	0.0136	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0263	0.0263	7.0000e-005	0.0000	0.0280
Unmitigated	4.3017	1.2000e-004	0.0136	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0263	0.0263	7.0000e-005	0.0000	0.0280

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.4930					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.8075					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2700e-003	1.2000e-004	0.0136	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0263	0.0263	7.0000e-005	0.0000	0.0280
<b>Total</b>	<b>4.3017</b>	<b>1.2000e-004</b>	<b>0.0136</b>	<b>0.0000</b>		<b>5.0000e-005</b>	<b>5.0000e-005</b>		<b>5.0000e-005</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.0263</b>	<b>0.0263</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>0.0280</b>

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Annual

**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.4930					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.8075					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2700e-003	1.2000e-004	0.0136	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0263	0.0263	7.0000e-005	0.0000	0.0280
<b>Total</b>	<b>4.3017</b>	<b>1.2000e-004</b>	<b>0.0136</b>	<b>0.0000</b>		<b>5.0000e-005</b>	<b>5.0000e-005</b>		<b>5.0000e-005</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.0263</b>	<b>0.0263</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>0.0280</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	695.7010	6.2488	0.1537	897.7304
Unmitigated	865.9964	7.8108	0.1921	1,118.5166

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 6.66038	18.3409	9.7000e-004	2.0000e-004	18.4253
General Office Building	1.51074 / 0.925935	7.9048	0.0496	1.2400e-003	9.5160
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	82.917 / 0	293.9119	2.7161	0.0667	381.7003
Unrefrigerated Warehouse-No Rail	153.989 / 0	545.8388	5.0441	0.1239	708.8750
<b>Total</b>		<b>865.9964</b>	<b>7.8108</b>	<b>0.1921</b>	<b>1,118.5166</b>

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**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 6.2541	17.2221	9.1000e-004	1.9000e-004	17.3013
General Office Building	1.20859 / 0.869453	6.6783	0.0397	1.0000e-003	7.9689
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	66.3336 / 0	235.1295	2.1728	0.0534	305.3602
Unrefrigerated Warehouse-No Rail	123.192 / 0	436.6710	4.0353	0.0992	567.1000
<b>Total</b>		<b>695.7010</b>	<b>6.2488</b>	<b>0.1537</b>	<b>897.7304</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

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**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	98.5917	5.8266	0.0000	244.2568
Unmitigated	197.1834	11.6532	0.0000	488.5135

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.48	0.0974	5.7600e-003	0.0000	0.2414
General Office Building	7.91	1.6057	0.0949	0.0000	3.9780
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	337.05	68.4181	4.0434	0.0000	169.5030
Unrefrigerated Warehouse-No Rail	625.95	127.0622	7.5092	0.0000	314.7912
<b>Total</b>		<b>197.1834</b>	<b>11.6532</b>	<b>0.0000</b>	<b>488.5135</b>

9th and Vineyard - 35% Refrigerated - San Bernardino-South Coast County, Annual

**8.2 Waste by Land Use**

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.24	0.0487	2.8800e-003	0.0000	0.1207
General Office Building	3.955	0.8028	0.0475	0.0000	1.9890
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	168.525	34.2091	2.0217	0.0000	84.7515
Unrefrigerated Warehouse-No Rail	312.975	63.5311	3.7546	0.0000	157.3956
<b>Total</b>		<b>98.5917</b>	<b>5.8266</b>	<b>0.0000</b>	<b>244.2568</b>

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	6	8.00	260	89	0.20	Electrical

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**UnMitigated/Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Forklifts	0.1009	0.9197	0.9109	1.1900e-003		0.0653	0.0653		0.0601	0.0601	0.0000	104.7472	104.7472	0.0339	0.0000	105.5942
<b>Total</b>	<b>0.1009</b>	<b>0.9197</b>	<b>0.9109</b>	<b>1.1900e-003</b>		<b>0.0653</b>	<b>0.0653</b>		<b>0.0601</b>	<b>0.0601</b>	<b>0.0000</b>	<b>104.7472</b>	<b>104.7472</b>	<b>0.0339</b>	<b>0.0000</b>	<b>105.5942</b>

**10.0 Stationary Equipment**

**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Annual

**9th and Vineyard Existing Conditions**  
**San Bernardino-South Coast County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	9.30	1000sqft	0.21	9,300.00	0
Manufacturing	39.38	1000sqft	0.90	39,375.00	0
Unrefrigerated Warehouse-No Rail	75.32	1000sqft	1.73	75,320.00	0
Parking Lot	145.00	1000sqft	3.33	145,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	32
<b>Climate Zone</b>	10			<b>Operational Year</b>	2020
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	546.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**



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Project Characteristics - Adjusted per the SCE 2018 Corporate Responsibility and Sustainability Report. The report provides intensity factor of CO2e, the CO2 intensity factor is calculated as  $513-25 \times 0.029-298 \times 0.00617=546.4363$  to avoid double counting.

Land Use - based on TIA, Manufacturing = 39,375, Warehouse = 75,320, General Office = 9,300

Construction Phase - operation only

Off-road Equipment - Operation only

Trips and VMT - operation only

Vehicle Trips - based on TIA, Manufacturing = 39,375, Warehouse = 75,320, General Office = 9,300 office  $91/9.3=9.7849462365591397849462365591398$  manu.  $155/39.375= 3.9365079365079365079365079365079$  warehouse= $1.7392458842272968667020711630377$

Water Mitigation -

Fleet Mix - 0.41035 0.0434 0.20105 0.120272 0.016162 0.035 0.046 0.123 0 0 0.004766 0 0  
TIA

Vehicle Emission Factors - EMFAC2017 San Bernardino County (SC) 2021 with Safe Rule

Vehicle Emission Factors - EMFAC2017 San Bernardino County (SC) 2021 with Safe Rule

Vehicle Emission Factors - EMFAC2017 San Bernardino County (SC) 2021 with Safe Rule

Energy Use -

Waste Mitigation - AB 939 - divert at least 50% of solid waste from landfills

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	1.00
tblFleetMix	HHD	0.06	0.12
tblFleetMix	HHD	0.06	0.12
tblFleetMix	HHD	0.06	0.12
tblFleetMix	LDA	0.55	0.41
tblFleetMix	LDA	0.55	0.41
tblFleetMix	LDA	0.55	0.41
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04

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tblFleetMix	LDT2	0.18	0.20
tblFleetMix	LDT2	0.18	0.20
tblFleetMix	LDT2	0.18	0.20
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD2	5.4600e-003	0.04
tblFleetMix	LHD2	5.4600e-003	0.04
tblFleetMix	LHD2	5.4600e-003	0.04
tblFleetMix	MCY	6.1170e-003	4.7660e-003
tblFleetMix	MCY	6.1170e-003	4.7660e-003
tblFleetMix	MCY	6.1170e-003	4.7660e-003
tblFleetMix	MDV	0.12	0.12
tblFleetMix	MDV	0.12	0.12
tblFleetMix	MDV	0.12	0.12
tblFleetMix	MH	1.0820e-003	0.00
tblFleetMix	MH	1.0820e-003	0.00
tblFleetMix	MH	1.0820e-003	0.00
tblFleetMix	MHD	0.02	0.05
tblFleetMix	MHD	0.02	0.05
tblFleetMix	MHD	0.02	0.05
tblFleetMix	OBUS	1.3370e-003	0.00
tblFleetMix	OBUS	1.3370e-003	0.00
tblFleetMix	OBUS	1.3370e-003	0.00
tblFleetMix	SBUS	8.1700e-004	0.00
tblFleetMix	SBUS	8.1700e-004	0.00
tblFleetMix	SBUS	8.1700e-004	0.00

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tblFleetMix	UBUS	1.6570e-003	0.00
tblFleetMix	UBUS	1.6570e-003	0.00
tblFleetMix	UBUS	1.6570e-003	0.00
tblLandUse	LandUseSquareFeet	39,380.00	39,375.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	546.44
tblVehicleEF	HHD	1.26	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.13	0.00
tblVehicleEF	HHD	3.65	5.64
tblVehicleEF	HHD	0.59	0.81
tblVehicleEF	HHD	2.11	4.3810e-003
tblVehicleEF	HHD	7,044.09	1,107.90
tblVehicleEF	HHD	1,507.82	1,530.36
tblVehicleEF	HHD	6.10	0.04
tblVehicleEF	HHD	29.67	6.15
tblVehicleEF	HHD	3.22	4.04
tblVehicleEF	HHD	20.18	1.89
tblVehicleEF	HHD	0.02	8.6990e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.05
tblVehicleEF	HHD	7.6000e-005	1.0000e-006
tblVehicleEF	HHD	0.02	8.3230e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8830e-003	8.8320e-003
tblVehicleEF	HHD	0.02	0.05
tblVehicleEF	HHD	7.0000e-005	1.0000e-006

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tblVehicleEF	HHD	1.0700e-004	6.0000e-006
tblVehicleEF	HHD	4.2590e-003	1.9400e-004
tblVehicleEF	HHD	0.94	0.43
tblVehicleEF	HHD	6.5000e-005	4.0000e-006
tblVehicleEF	HHD	0.09	0.13
tblVehicleEF	HHD	2.9100e-004	9.6100e-004
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	9.6000e-005	0.00
tblVehicleEF	HHD	1.0700e-004	6.0000e-006
tblVehicleEF	HHD	4.2590e-003	1.9400e-004
tblVehicleEF	HHD	1.08	0.50
tblVehicleEF	HHD	6.5000e-005	4.0000e-006
tblVehicleEF	HHD	0.14	0.28
tblVehicleEF	HHD	2.9100e-004	9.6100e-004
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	1.19	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.12	0.00
tblVehicleEF	HHD	2.66	5.49
tblVehicleEF	HHD	0.59	0.82
tblVehicleEF	HHD	1.99	4.1360e-003
tblVehicleEF	HHD	7,457.73	1,107.11
tblVehicleEF	HHD	1,507.82	1,530.36
tblVehicleEF	HHD	6.10	0.04
tblVehicleEF	HHD	30.61	6.00

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Annual

tblVehicleEF	HHD	3.03	3.82
tblVehicleEF	HHD	20.18	1.89
tblVehicleEF	HHD	0.01	8.0470e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.05
tblVehicleEF	HHD	7.6000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	7.6990e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8830e-003	8.8320e-003
tblVehicleEF	HHD	0.02	0.05
tblVehicleEF	HHD	7.0000e-005	1.0000e-006
tblVehicleEF	HHD	2.1400e-004	1.2000e-005
tblVehicleEF	HHD	4.8950e-003	2.2100e-004
tblVehicleEF	HHD	0.89	0.45
tblVehicleEF	HHD	1.5100e-004	8.0000e-006
tblVehicleEF	HHD	0.09	0.13
tblVehicleEF	HHD	2.9900e-004	9.8700e-004
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	9.4000e-005	0.00
tblVehicleEF	HHD	2.1400e-004	1.2000e-005
tblVehicleEF	HHD	4.8950e-003	2.2100e-004
tblVehicleEF	HHD	1.02	0.52
tblVehicleEF	HHD	1.5100e-004	8.0000e-006
tblVehicleEF	HHD	0.14	0.28

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tblVehicleEF	HHD	2.9900e-004	9.8700e-004
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	1.36	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.13	0.00
tblVehicleEF	HHD	5.01	5.84
tblVehicleEF	HHD	0.59	0.81
tblVehicleEF	HHD	2.07	4.3470e-003
tblVehicleEF	HHD	6,472.88	1,109.00
tblVehicleEF	HHD	1,507.82	1,530.36
tblVehicleEF	HHD	6.10	0.04
tblVehicleEF	HHD	28.37	6.35
tblVehicleEF	HHD	3.17	3.98
tblVehicleEF	HHD	20.18	1.89
tblVehicleEF	HHD	0.02	9.6000e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.05
tblVehicleEF	HHD	7.6000e-005	1.0000e-006
tblVehicleEF	HHD	0.02	9.1850e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8830e-003	8.8320e-003
tblVehicleEF	HHD	0.02	0.05
tblVehicleEF	HHD	7.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.1000e-004	7.0000e-006
tblVehicleEF	HHD	4.8700e-003	2.2700e-004
tblVehicleEF	HHD	1.01	0.41

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tblVehicleEF	HHD	6.4000e-005	4.0000e-006
tblVehicleEF	HHD	0.09	0.13
tblVehicleEF	HHD	3.1000e-004	1.0070e-003
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	9.6000e-005	0.00
tblVehicleEF	HHD	1.1000e-004	7.0000e-006
tblVehicleEF	HHD	4.8700e-003	2.2700e-004
tblVehicleEF	HHD	1.16	0.48
tblVehicleEF	HHD	6.4000e-005	4.0000e-006
tblVehicleEF	HHD	0.14	0.28
tblVehicleEF	HHD	3.1000e-004	1.0070e-003
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	LDA	5.1540e-003	2.8720e-003
tblVehicleEF	LDA	7.4770e-003	0.05
tblVehicleEF	LDA	0.66	0.73
tblVehicleEF	LDA	1.48	2.18
tblVehicleEF	LDA	271.76	271.31
tblVehicleEF	LDA	61.36	55.38
tblVehicleEF	LDA	0.06	0.04
tblVehicleEF	LDA	0.10	0.19
tblVehicleEF	LDA	1.7360e-003	1.5970e-003
tblVehicleEF	LDA	2.3270e-003	1.9420e-003
tblVehicleEF	LDA	1.6000e-003	1.4700e-003
tblVehicleEF	LDA	2.1400e-003	1.7850e-003
tblVehicleEF	LDA	0.05	0.06

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tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.10	0.24
tblVehicleEF	LDA	2.7220e-003	2.6840e-003
tblVehicleEF	LDA	6.3900e-004	5.4800e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.11	0.26
tblVehicleEF	LDA	5.8790e-003	3.2410e-003
tblVehicleEF	LDA	6.2340e-003	0.05
tblVehicleEF	LDA	0.81	0.88
tblVehicleEF	LDA	1.22	1.83
tblVehicleEF	LDA	297.40	293.82
tblVehicleEF	LDA	61.36	54.72
tblVehicleEF	LDA	0.06	0.04
tblVehicleEF	LDA	0.09	0.18
tblVehicleEF	LDA	1.7360e-003	1.5970e-003
tblVehicleEF	LDA	2.3270e-003	1.9420e-003
tblVehicleEF	LDA	1.6000e-003	1.4700e-003
tblVehicleEF	LDA	2.1400e-003	1.7850e-003
tblVehicleEF	LDA	0.11	0.12
tblVehicleEF	LDA	0.14	0.12



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tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.08	0.21
tblVehicleEF	LDA	2.9810e-003	2.9070e-003
tblVehicleEF	LDA	6.3500e-004	5.4100e-004
tblVehicleEF	LDA	0.11	0.12
tblVehicleEF	LDA	0.14	0.12
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.09	0.23
tblVehicleEF	LDA	5.0060e-003	2.8130e-003
tblVehicleEF	LDA	7.4230e-003	0.05
tblVehicleEF	LDA	0.62	0.70
tblVehicleEF	LDA	1.46	2.18
tblVehicleEF	LDA	265.71	267.12
tblVehicleEF	LDA	61.36	55.39
tblVehicleEF	LDA	0.06	0.04
tblVehicleEF	LDA	0.10	0.19
tblVehicleEF	LDA	1.7360e-003	1.5970e-003
tblVehicleEF	LDA	2.3270e-003	1.9420e-003
tblVehicleEF	LDA	1.6000e-003	1.4700e-003
tblVehicleEF	LDA	2.1400e-003	1.7850e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.13	0.12
tblVehicleEF	LDA	0.04	0.05

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tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.10	0.24
tblVehicleEF	LDA	2.6610e-003	2.6430e-003
tblVehicleEF	LDA	6.3900e-004	5.4800e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.13	0.12
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.11	0.27
tblVehicleEF	LDT1	0.02	8.7920e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.88	1.72
tblVehicleEF	LDT1	4.45	2.48
tblVehicleEF	LDT1	332.44	321.83
tblVehicleEF	LDT1	74.44	67.22
tblVehicleEF	LDT1	0.20	0.15
tblVehicleEF	LDT1	0.27	0.32
tblVehicleEF	LDT1	3.0160e-003	2.5670e-003
tblVehicleEF	LDT1	4.1090e-003	3.0690e-003
tblVehicleEF	LDT1	2.7780e-003	2.3630e-003
tblVehicleEF	LDT1	3.7800e-003	2.8220e-003
tblVehicleEF	LDT1	0.21	0.21
tblVehicleEF	LDT1	0.38	0.29
tblVehicleEF	LDT1	0.14	0.00
tblVehicleEF	LDT1	0.04	0.04

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tblVehicleEF	LDT1	0.23	0.93
tblVehicleEF	LDT1	0.32	0.47
tblVehicleEF	LDT1	3.3490e-003	3.1850e-003
tblVehicleEF	LDT1	8.2300e-004	6.6500e-004
tblVehicleEF	LDT1	0.21	0.21
tblVehicleEF	LDT1	0.38	0.29
tblVehicleEF	LDT1	0.14	0.15
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.23	0.93
tblVehicleEF	LDT1	0.35	0.52
tblVehicleEF	LDT1	0.02	9.8170e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	2.25	2.04
tblVehicleEF	LDT1	3.66	2.07
tblVehicleEF	LDT1	362.07	345.31
tblVehicleEF	LDT1	74.44	66.35
tblVehicleEF	LDT1	0.18	0.13
tblVehicleEF	LDT1	0.25	0.30
tblVehicleEF	LDT1	3.0160e-003	2.5670e-003
tblVehicleEF	LDT1	4.1090e-003	3.0690e-003
tblVehicleEF	LDT1	2.7780e-003	2.3630e-003
tblVehicleEF	LDT1	3.7800e-003	2.8220e-003
tblVehicleEF	LDT1	0.42	0.39
tblVehicleEF	LDT1	0.47	0.34
tblVehicleEF	LDT1	0.30	0.00
tblVehicleEF	LDT1	0.05	0.04
tblVehicleEF	LDT1	0.23	0.92

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tblVehicleEF	LDT1	0.27	0.41
tblVehicleEF	LDT1	3.6510e-003	3.4170e-003
tblVehicleEF	LDT1	8.0900e-004	6.5700e-004
tblVehicleEF	LDT1	0.42	0.39
tblVehicleEF	LDT1	0.47	0.34
tblVehicleEF	LDT1	0.30	0.28
tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	0.23	0.92
tblVehicleEF	LDT1	0.29	0.44
tblVehicleEF	LDT1	0.02	8.6230e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.79	1.66
tblVehicleEF	LDT1	4.37	2.48
tblVehicleEF	LDT1	325.45	317.45
tblVehicleEF	LDT1	74.44	67.23
tblVehicleEF	LDT1	0.19	0.14
tblVehicleEF	LDT1	0.26	0.32
tblVehicleEF	LDT1	3.0160e-003	2.5670e-003
tblVehicleEF	LDT1	4.1090e-003	3.0690e-003
tblVehicleEF	LDT1	2.7780e-003	2.3630e-003
tblVehicleEF	LDT1	3.7800e-003	2.8220e-003
tblVehicleEF	LDT1	0.22	0.21
tblVehicleEF	LDT1	0.44	0.33
tblVehicleEF	LDT1	0.13	0.00
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.26	1.09
tblVehicleEF	LDT1	0.32	0.48

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tblVehicleEF	LDT1	3.2780e-003	3.1410e-003
tblVehicleEF	LDT1	8.2200e-004	6.6500e-004
tblVehicleEF	LDT1	0.22	0.21
tblVehicleEF	LDT1	0.44	0.33
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.26	1.09
tblVehicleEF	LDT1	0.35	0.52
tblVehicleEF	LDT2	7.5900e-003	4.9710e-003
tblVehicleEF	LDT2	0.01	0.08
tblVehicleEF	LDT2	0.92	1.09
tblVehicleEF	LDT2	2.08	2.81
tblVehicleEF	LDT2	375.03	346.08
tblVehicleEF	LDT2	84.46	72.43
tblVehicleEF	LDT2	0.11	0.10
tblVehicleEF	LDT2	0.19	0.33
tblVehicleEF	LDT2	1.7360e-003	1.6820e-003
tblVehicleEF	LDT2	2.4270e-003	2.0130e-003
tblVehicleEF	LDT2	1.5970e-003	1.5480e-003
tblVehicleEF	LDT2	2.2320e-003	1.8510e-003
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.14	0.15
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.47
tblVehicleEF	LDT2	0.14	0.36
tblVehicleEF	LDT2	3.7580e-003	3.4240e-003

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tblVehicleEF	LDT2	8.8000e-004	7.1700e-004
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.14	0.15
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.08	0.47
tblVehicleEF	LDT2	0.16	0.40
tblVehicleEF	LDT2	8.6210e-003	5.5830e-003
tblVehicleEF	LDT2	8.8260e-003	0.07
tblVehicleEF	LDT2	1.12	1.31
tblVehicleEF	LDT2	1.72	2.36
tblVehicleEF	LDT2	409.49	369.05
tblVehicleEF	LDT2	84.46	71.54
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.18	0.31
tblVehicleEF	LDT2	1.7360e-003	1.6820e-003
tblVehicleEF	LDT2	2.4270e-003	2.0130e-003
tblVehicleEF	LDT2	1.5970e-003	1.5480e-003
tblVehicleEF	LDT2	2.2320e-003	1.8510e-003
tblVehicleEF	LDT2	0.15	0.19
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.46
tblVehicleEF	LDT2	0.12	0.31
tblVehicleEF	LDT2	4.1060e-003	3.6510e-003
tblVehicleEF	LDT2	8.7400e-004	7.0800e-004

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tblVehicleEF	LDT2	0.15	0.19
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.46
tblVehicleEF	LDT2	0.13	0.34
tblVehicleEF	LDT2	7.3800e-003	4.8730e-003
tblVehicleEF	LDT2	0.01	0.08
tblVehicleEF	LDT2	0.87	1.05
tblVehicleEF	LDT2	2.04	2.82
tblVehicleEF	LDT2	366.89	341.80
tblVehicleEF	LDT2	84.46	72.45
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.19	0.33
tblVehicleEF	LDT2	1.7360e-003	1.6820e-003
tblVehicleEF	LDT2	2.4270e-003	2.0130e-003
tblVehicleEF	LDT2	1.5970e-003	1.5480e-003
tblVehicleEF	LDT2	2.2320e-003	1.8510e-003
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.16	0.17
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.09	0.55
tblVehicleEF	LDT2	0.14	0.37
tblVehicleEF	LDT2	3.6760e-003	3.3820e-003
tblVehicleEF	LDT2	8.8000e-004	7.1700e-004
tblVehicleEF	LDT2	0.07	0.10

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tblVehicleEF	LDT2	0.16	0.17
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.09	0.55
tblVehicleEF	LDT2	0.16	0.40
tblVehicleEF	LHD1	5.6900e-003	5.2260e-003
tblVehicleEF	LHD1	0.01	6.6980e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.27	0.82
tblVehicleEF	LHD1	2.93	1.07
tblVehicleEF	LHD1	9.23	9.31
tblVehicleEF	LHD1	620.09	661.60
tblVehicleEF	LHD1	31.53	11.44
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.40	1.38
tblVehicleEF	LHD1	1.05	0.33
tblVehicleEF	LHD1	9.6100e-004	8.7500e-004
tblVehicleEF	LHD1	0.01	9.8530e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0840e-003	2.7200e-004
tblVehicleEF	LHD1	9.1900e-004	8.3700e-004
tblVehicleEF	LHD1	2.5180e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.9800e-004	2.5000e-004
tblVehicleEF	LHD1	3.8770e-003	3.2010e-003
tblVehicleEF	LHD1	0.11	0.09



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tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8640e-003	1.6460e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.30	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	6.0910e-003	6.4470e-003
tblVehicleEF	LHD1	3.7100e-004	1.1300e-004
tblVehicleEF	LHD1	3.8770e-003	3.2010e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8640e-003	1.6460e-003
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.33	0.09
tblVehicleEF	LHD1	5.6900e-003	5.2390e-003
tblVehicleEF	LHD1	0.02	6.8390e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.29	0.83
tblVehicleEF	LHD1	2.74	1.02
tblVehicleEF	LHD1	9.23	9.31
tblVehicleEF	LHD1	620.09	661.62
tblVehicleEF	LHD1	31.53	11.34
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.25	1.29
tblVehicleEF	LHD1	1.00	0.32

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tblVehicleEF	LHD1	9.6100e-004	8.7500e-004
tblVehicleEF	LHD1	0.01	9.8530e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0840e-003	2.7200e-004
tblVehicleEF	LHD1	9.1900e-004	8.3700e-004
tblVehicleEF	LHD1	2.5180e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.9800e-004	2.5000e-004
tblVehicleEF	LHD1	7.6890e-003	5.7800e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.2920e-003	3.1920e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.29	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	6.0910e-003	6.4470e-003
tblVehicleEF	LHD1	3.6700e-004	1.1200e-004
tblVehicleEF	LHD1	7.6890e-003	5.7800e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.2920e-003	3.1920e-003
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.35	0.58
tblVehicleEF	LHD1	0.32	0.09
tblVehicleEF	LHD1	5.6900e-003	5.2270e-003
tblVehicleEF	LHD1	0.01	6.7060e-003

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tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.27	0.82
tblVehicleEF	LHD1	2.88	1.06
tblVehicleEF	LHD1	9.23	9.31
tblVehicleEF	LHD1	620.09	661.60
tblVehicleEF	LHD1	31.53	11.43
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.36	1.36
tblVehicleEF	LHD1	1.03	0.33
tblVehicleEF	LHD1	9.6100e-004	8.7500e-004
tblVehicleEF	LHD1	0.01	9.8530e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0840e-003	2.7200e-004
tblVehicleEF	LHD1	9.1900e-004	8.3700e-004
tblVehicleEF	LHD1	2.5180e-003	2.4630e-003
tblVehicleEF	LHD1	0.01	9.8740e-003
tblVehicleEF	LHD1	9.9800e-004	2.5000e-004
tblVehicleEF	LHD1	4.3010e-003	3.3430e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8380e-003	1.6790e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.38	0.63
tblVehicleEF	LHD1	0.30	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	6.0910e-003	6.4470e-003

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tblVehicleEF	LHD1	3.7000e-004	1.1300e-004
tblVehicleEF	LHD1	4.3010e-003	3.3430e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8380e-003	1.6790e-003
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.38	0.63
tblVehicleEF	LHD1	0.33	0.09
tblVehicleEF	LHD2	4.0010e-003	3.8230e-003
tblVehicleEF	LHD2	5.9170e-003	4.4730e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.63	0.54
tblVehicleEF	LHD2	1.40	0.70
tblVehicleEF	LHD2	14.35	14.19
tblVehicleEF	LHD2	619.96	675.54
tblVehicleEF	LHD2	25.37	9.01
tblVehicleEF	LHD2	0.12	0.11
tblVehicleEF	LHD2	1.91	1.49
tblVehicleEF	LHD2	0.59	0.23
tblVehicleEF	LHD2	1.3140e-003	1.2910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.6400e-004	1.4500e-004
tblVehicleEF	LHD2	1.2570e-003	1.2360e-003
tblVehicleEF	LHD2	2.6760e-003	2.6480e-003
tblVehicleEF	LHD2	0.01	0.01

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tblVehicleEF	LHD2	4.2700e-004	1.3300e-004
tblVehicleEF	LHD2	1.5090e-003	1.7970e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.7800e-004	9.5100e-004
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.11	0.34
tblVehicleEF	LHD2	0.14	0.06
tblVehicleEF	LHD2	1.4000e-004	1.3600e-004
tblVehicleEF	LHD2	6.0350e-003	6.5320e-003
tblVehicleEF	LHD2	2.8000e-004	8.9000e-005
tblVehicleEF	LHD2	1.5090e-003	1.7970e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7800e-004	9.5100e-004
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.11	0.34
tblVehicleEF	LHD2	0.15	0.06
tblVehicleEF	LHD2	4.0010e-003	3.8330e-003
tblVehicleEF	LHD2	6.0090e-003	4.5210e-003
tblVehicleEF	LHD2	9.7620e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.63	0.55
tblVehicleEF	LHD2	1.32	0.67
tblVehicleEF	LHD2	14.35	14.19
tblVehicleEF	LHD2	619.96	675.55
tblVehicleEF	LHD2	25.37	8.94

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tblVehicleEF	LHD2	0.12	0.11
tblVehicleEF	LHD2	1.80	1.41
tblVehicleEF	LHD2	0.57	0.22
tblVehicleEF	LHD2	1.3140e-003	1.2910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.6400e-004	1.4500e-004
tblVehicleEF	LHD2	1.2570e-003	1.2360e-003
tblVehicleEF	LHD2	2.6760e-003	2.6480e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2700e-004	1.3300e-004
tblVehicleEF	LHD2	2.9270e-003	3.2440e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.7180e-003	1.8360e-003
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.11	0.34
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	1.4000e-004	1.3600e-004
tblVehicleEF	LHD2	6.0350e-003	6.5320e-003
tblVehicleEF	LHD2	2.7800e-004	8.8000e-005
tblVehicleEF	LHD2	2.9270e-003	3.2440e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.7180e-003	1.8360e-003
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.11	0.34

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD2	0.14	0.06
tblVehicleEF	LHD2	4.0010e-003	3.8240e-003
tblVehicleEF	LHD2	5.9270e-003	4.4770e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.63	0.54
tblVehicleEF	LHD2	1.38	0.70
tblVehicleEF	LHD2	14.35	14.19
tblVehicleEF	LHD2	619.96	675.54
tblVehicleEF	LHD2	25.37	9.00
tblVehicleEF	LHD2	0.12	0.11
tblVehicleEF	LHD2	1.88	1.47
tblVehicleEF	LHD2	0.59	0.23
tblVehicleEF	LHD2	1.3140e-003	1.2910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.6400e-004	1.4500e-004
tblVehicleEF	LHD2	1.2570e-003	1.2360e-003
tblVehicleEF	LHD2	2.6760e-003	2.6480e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2700e-004	1.3300e-004
tblVehicleEF	LHD2	1.5970e-003	1.8290e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.6400e-004	9.5600e-004
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.11	0.36

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Annual

tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	1.4000e-004	1.3600e-004
tblVehicleEF	LHD2	6.0350e-003	6.5320e-003
tblVehicleEF	LHD2	2.7900e-004	8.9000e-005
tblVehicleEF	LHD2	1.5970e-003	1.8290e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.6400e-004	9.5600e-004
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.11	0.36
tblVehicleEF	LHD2	0.15	0.06
tblVehicleEF	MCY	0.41	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	21.63	19.60
tblVehicleEF	MCY	9.90	8.58
tblVehicleEF	MCY	166.31	212.10
tblVehicleEF	MCY	47.31	61.05
tblVehicleEF	MCY	1.17	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.7690e-003	1.9180e-003
tblVehicleEF	MCY	3.8320e-003	3.0150e-003
tblVehicleEF	MCY	1.6590e-003	1.7950e-003
tblVehicleEF	MCY	3.6220e-003	2.8420e-003
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.86	0.80
tblVehicleEF	MCY	0.81	0.78
tblVehicleEF	MCY	2.28	2.35



## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Annual

tblVehicleEF	MCY	0.51	1.97
tblVehicleEF	MCY	2.19	1.85
tblVehicleEF	MCY	2.0810e-003	2.0990e-003
tblVehicleEF	MCY	7.0000e-004	6.0400e-004
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.86	0.80
tblVehicleEF	MCY	0.81	0.78
tblVehicleEF	MCY	2.77	2.88
tblVehicleEF	MCY	0.51	1.97
tblVehicleEF	MCY	2.38	2.02
tblVehicleEF	MCY	0.41	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	21.75	19.61
tblVehicleEF	MCY	9.07	7.90
tblVehicleEF	MCY	166.31	211.94
tblVehicleEF	MCY	47.31	59.22
tblVehicleEF	MCY	1.00	0.98
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.7690e-003	1.9180e-003
tblVehicleEF	MCY	3.8320e-003	3.0150e-003
tblVehicleEF	MCY	1.6590e-003	1.7950e-003
tblVehicleEF	MCY	3.6220e-003	2.8420e-003
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.28	1.12
tblVehicleEF	MCY	2.15	1.77
tblVehicleEF	MCY	2.21	2.30
tblVehicleEF	MCY	0.50	1.94

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Annual

tblVehicleEF	MCY	1.88	1.62
tblVehicleEF	MCY	2.0810e-003	2.0970e-003
tblVehicleEF	MCY	6.7600e-004	5.8600e-004
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.28	1.12
tblVehicleEF	MCY	2.15	1.77
tblVehicleEF	MCY	2.70	2.83
tblVehicleEF	MCY	0.50	1.94
tblVehicleEF	MCY	2.05	1.77
tblVehicleEF	MCY	0.41	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	20.62	19.08
tblVehicleEF	MCY	9.51	8.41
tblVehicleEF	MCY	166.31	211.21
tblVehicleEF	MCY	47.31	60.69
tblVehicleEF	MCY	1.13	1.10
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.7690e-003	1.9180e-003
tblVehicleEF	MCY	3.8320e-003	3.0150e-003
tblVehicleEF	MCY	1.6590e-003	1.7950e-003
tblVehicleEF	MCY	3.6220e-003	2.8420e-003
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.15	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.24	2.33
tblVehicleEF	MCY	0.57	2.24
tblVehicleEF	MCY	2.11	1.82

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Annual

tblVehicleEF	MCY	2.0640e-003	2.0900e-003
tblVehicleEF	MCY	6.9100e-004	6.0100e-004
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.15	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.73	2.86
tblVehicleEF	MCY	0.57	2.24
tblVehicleEF	MCY	2.30	1.98
tblVehicleEF	MDV	0.02	6.4810e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.73	1.30
tblVehicleEF	MDV	3.93	3.43
tblVehicleEF	MDV	510.99	426.46
tblVehicleEF	MDV	113.32	89.79
tblVehicleEF	MDV	0.22	0.13
tblVehicleEF	MDV	0.39	0.42
tblVehicleEF	MDV	1.8900e-003	1.7780e-003
tblVehicleEF	MDV	2.6570e-003	2.1460e-003
tblVehicleEF	MDV	1.7440e-003	1.6400e-003
tblVehicleEF	MDV	2.4460e-003	1.9750e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.51
tblVehicleEF	MDV	0.31	0.48
tblVehicleEF	MDV	5.1260e-003	4.2170e-003

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tblVehicleEF	MDV	1.2030e-003	8.8900e-004
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.21	0.18
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.11	0.51
tblVehicleEF	MDV	0.34	0.53
tblVehicleEF	MDV	0.02	7.2390e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	2.07	1.54
tblVehicleEF	MDV	3.28	2.88
tblVehicleEF	MDV	556.34	450.72
tblVehicleEF	MDV	113.32	88.68
tblVehicleEF	MDV	0.20	0.11
tblVehicleEF	MDV	0.37	0.39
tblVehicleEF	MDV	1.8900e-003	1.7780e-003
tblVehicleEF	MDV	2.6570e-003	2.1460e-003
tblVehicleEF	MDV	1.7440e-003	1.6400e-003
tblVehicleEF	MDV	2.4460e-003	1.9750e-003
tblVehicleEF	MDV	0.21	0.22
tblVehicleEF	MDV	0.25	0.20
tblVehicleEF	MDV	0.18	0.19
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.26	0.41
tblVehicleEF	MDV	5.5850e-003	4.4570e-003
tblVehicleEF	MDV	1.1910e-003	8.7800e-004

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tblVehicleEF	MDV	0.21	0.22
tblVehicleEF	MDV	0.25	0.20
tblVehicleEF	MDV	0.18	0.19
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.29	0.45
tblVehicleEF	MDV	0.01	6.3480e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.63	1.25
tblVehicleEF	MDV	3.86	3.44
tblVehicleEF	MDV	500.39	421.93
tblVehicleEF	MDV	113.32	89.81
tblVehicleEF	MDV	0.21	0.12
tblVehicleEF	MDV	0.39	0.41
tblVehicleEF	MDV	1.8900e-003	1.7780e-003
tblVehicleEF	MDV	2.6570e-003	2.1460e-003
tblVehicleEF	MDV	1.7440e-003	1.6400e-003
tblVehicleEF	MDV	2.4460e-003	1.9750e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.59
tblVehicleEF	MDV	0.31	0.48
tblVehicleEF	MDV	5.0190e-003	4.1720e-003
tblVehicleEF	MDV	1.2020e-003	8.8900e-004
tblVehicleEF	MDV	0.10	0.11

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tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.13	0.59
tblVehicleEF	MDV	0.34	0.53
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	4.29	1.54
tblVehicleEF	MH	7.50	2.24
tblVehicleEF	MH	1,044.38	1,507.66
tblVehicleEF	MH	61.75	19.53
tblVehicleEF	MH	1.73	1.53
tblVehicleEF	MH	0.99	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.5070e-003	2.7100e-004
tblVehicleEF	MH	3.2190e-003	3.2700e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.3940e-003	2.4900e-004
tblVehicleEF	MH	1.65	1.22
tblVehicleEF	MH	0.10	0.07
tblVehicleEF	MH	0.56	0.44
tblVehicleEF	MH	0.14	0.07
tblVehicleEF	MH	0.03	1.62
tblVehicleEF	MH	0.45	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.4900e-004	1.9300e-004

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tblVehicleEF	MH	1.65	1.22
tblVehicleEF	MH	0.10	0.07
tblVehicleEF	MH	0.56	0.44
tblVehicleEF	MH	0.19	0.10
tblVehicleEF	MH	0.03	1.62
tblVehicleEF	MH	0.49	0.11
tblVehicleEF	MH	0.05	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	4.46	1.58
tblVehicleEF	MH	6.85	2.08
tblVehicleEF	MH	1,044.38	1,507.73
tblVehicleEF	MH	61.75	19.26
tblVehicleEF	MH	1.58	1.42
tblVehicleEF	MH	0.94	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.5070e-003	2.7100e-004
tblVehicleEF	MH	3.2190e-003	3.2700e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.3940e-003	2.4900e-004
tblVehicleEF	MH	3.30	2.17
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	1.37	0.88
tblVehicleEF	MH	0.14	0.07
tblVehicleEF	MH	0.03	1.61
tblVehicleEF	MH	0.42	0.10
tblVehicleEF	MH	0.01	0.01

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tblVehicleEF	MH	7.3800e-004	1.9100e-004
tblVehicleEF	MH	3.30	2.17
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	1.37	0.88
tblVehicleEF	MH	0.20	0.10
tblVehicleEF	MH	0.03	1.61
tblVehicleEF	MH	0.46	0.11
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	4.28	1.54
tblVehicleEF	MH	7.39	2.24
tblVehicleEF	MH	1,044.38	1,507.66
tblVehicleEF	MH	61.75	19.53
tblVehicleEF	MH	1.69	1.50
tblVehicleEF	MH	0.97	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.5070e-003	2.7100e-004
tblVehicleEF	MH	3.2190e-003	3.2700e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.3940e-003	2.4900e-004
tblVehicleEF	MH	2.00	1.37
tblVehicleEF	MH	0.13	0.09
tblVehicleEF	MH	0.59	0.47
tblVehicleEF	MH	0.14	0.07
tblVehicleEF	MH	0.03	1.71
tblVehicleEF	MH	0.44	0.10



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tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.4700e-004	1.9300e-004
tblVehicleEF	MH	2.00	1.37
tblVehicleEF	MH	0.13	0.09
tblVehicleEF	MH	0.59	0.47
tblVehicleEF	MH	0.19	0.10
tblVehicleEF	MH	0.03	1.71
tblVehicleEF	MH	0.49	0.11
tblVehicleEF	MHD	0.02	2.5780e-003
tblVehicleEF	MHD	6.5200e-003	5.9780e-003
tblVehicleEF	MHD	0.06	6.7400e-003
tblVehicleEF	MHD	0.41	0.31
tblVehicleEF	MHD	0.48	0.52
tblVehicleEF	MHD	6.64	0.79
tblVehicleEF	MHD	157.61	71.13
tblVehicleEF	MHD	1,102.10	1,006.19
tblVehicleEF	MHD	54.49	6.51
tblVehicleEF	MHD	0.99	0.62
tblVehicleEF	MHD	1.67	2.32
tblVehicleEF	MHD	11.76	1.28
tblVehicleEF	MHD	2.8010e-003	2.0960e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	8.7800e-004	8.0000e-005
tblVehicleEF	MHD	2.6800e-003	2.0050e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	8.0700e-004	7.3000e-005
tblVehicleEF	MHD	1.5850e-003	5.0000e-004

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tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.7500e-004	2.5900e-004
tblVehicleEF	MHD	0.08	0.11
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.40	0.04
tblVehicleEF	MHD	1.5150e-003	6.7400e-004
tblVehicleEF	MHD	0.01	9.5620e-003
tblVehicleEF	MHD	6.6100e-004	6.4000e-005
tblVehicleEF	MHD	1.5850e-003	5.0000e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	7.7500e-004	2.5900e-004
tblVehicleEF	MHD	0.09	0.13
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.44	0.04
tblVehicleEF	MHD	0.02	2.4500e-003
tblVehicleEF	MHD	6.6290e-003	6.0070e-003
tblVehicleEF	MHD	0.06	6.4700e-003
tblVehicleEF	MHD	0.29	0.26
tblVehicleEF	MHD	0.49	0.52
tblVehicleEF	MHD	6.20	0.75
tblVehicleEF	MHD	166.94	72.33
tblVehicleEF	MHD	1,102.10	1,006.20
tblVehicleEF	MHD	54.49	6.44
tblVehicleEF	MHD	1.02	0.63
tblVehicleEF	MHD	1.57	2.18

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tblVehicleEF	MHD	11.71	1.28
tblVehicleEF	MHD	2.3620e-003	1.7700e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	8.7800e-004	8.0000e-005
tblVehicleEF	MHD	2.2590e-003	1.6930e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	8.0700e-004	7.3000e-005
tblVehicleEF	MHD	3.1650e-003	9.1700e-004
tblVehicleEF	MHD	0.06	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.8350e-003	5.2200e-004
tblVehicleEF	MHD	0.08	0.11
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.38	0.03
tblVehicleEF	MHD	1.6030e-003	6.8500e-004
tblVehicleEF	MHD	0.01	9.5630e-003
tblVehicleEF	MHD	6.5400e-004	6.4000e-005
tblVehicleEF	MHD	3.1650e-003	9.1700e-004
tblVehicleEF	MHD	0.06	0.02
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	1.8350e-003	5.2200e-004
tblVehicleEF	MHD	0.09	0.13
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.42	0.04
tblVehicleEF	MHD	0.02	2.7650e-003
tblVehicleEF	MHD	6.5300e-003	5.9780e-003
tblVehicleEF	MHD	0.06	6.6910e-003

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tblVehicleEF	MHD	0.56	0.38
tblVehicleEF	MHD	0.48	0.52
tblVehicleEF	MHD	6.52	0.78
tblVehicleEF	MHD	144.70	69.48
tblVehicleEF	MHD	1,102.10	1,006.19
tblVehicleEF	MHD	54.49	6.50
tblVehicleEF	MHD	0.94	0.61
tblVehicleEF	MHD	1.64	2.28
tblVehicleEF	MHD	11.75	1.28
tblVehicleEF	MHD	3.4090e-003	2.5470e-003
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	8.7800e-004	8.0000e-005
tblVehicleEF	MHD	3.2610e-003	2.4370e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	8.0700e-004	7.3000e-005
tblVehicleEF	MHD	1.7730e-003	5.2700e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.6800e-004	2.6500e-004
tblVehicleEF	MHD	0.08	0.11
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.40	0.04
tblVehicleEF	MHD	1.3930e-003	6.5800e-004
tblVehicleEF	MHD	0.01	9.5620e-003
tblVehicleEF	MHD	6.5900e-004	6.4000e-005
tblVehicleEF	MHD	1.7730e-003	5.2700e-004
tblVehicleEF	MHD	0.05	0.02

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tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	7.6800e-004	2.6500e-004
tblVehicleEF	MHD	0.09	0.13
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.43	0.04
tblVehicleEF	OBUS	0.01	9.0870e-003
tblVehicleEF	OBUS	0.01	8.8680e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.53
tblVehicleEF	OBUS	0.84	0.98
tblVehicleEF	OBUS	7.08	2.51
tblVehicleEF	OBUS	69.66	78.17
tblVehicleEF	OBUS	1,125.58	1,439.48
tblVehicleEF	OBUS	71.49	20.77
tblVehicleEF	OBUS	0.36	0.46
tblVehicleEF	OBUS	1.31	1.64
tblVehicleEF	OBUS	2.03	0.63
tblVehicleEF	OBUS	1.6600e-004	1.7960e-003
tblVehicleEF	OBUS	6.3680e-003	0.03
tblVehicleEF	OBUS	9.0100e-004	2.1800e-004
tblVehicleEF	OBUS	1.5900e-004	1.7180e-003
tblVehicleEF	OBUS	6.0730e-003	0.03
tblVehicleEF	OBUS	8.2900e-004	2.0000e-004
tblVehicleEF	OBUS	2.2890e-003	2.6450e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	9.6000e-004	1.1230e-003

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Annual

tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.44	0.12
tblVehicleEF	OBUS	6.7700e-004	7.4500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.3900e-004	2.0500e-004
tblVehicleEF	OBUS	2.2890e-003	2.6450e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.6000e-004	1.1230e-003
tblVehicleEF	OBUS	0.07	0.11
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.48	0.13
tblVehicleEF	OBUS	0.01	9.1120e-003
tblVehicleEF	OBUS	0.01	9.0270e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.50
tblVehicleEF	OBUS	0.86	0.99
tblVehicleEF	OBUS	6.48	2.33
tblVehicleEF	OBUS	72.76	78.62
tblVehicleEF	OBUS	1,125.58	1,439.51
tblVehicleEF	OBUS	71.49	20.47
tblVehicleEF	OBUS	0.37	0.46
tblVehicleEF	OBUS	1.21	1.53
tblVehicleEF	OBUS	1.97	0.62
tblVehicleEF	OBUS	1.4000e-004	1.5180e-003
tblVehicleEF	OBUS	6.3680e-003	0.03

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Annual

tblVehicleEF	OBUS	9.0100e-004	2.1800e-004
tblVehicleEF	OBUS	1.3400e-004	1.4520e-003
tblVehicleEF	OBUS	6.0730e-003	0.03
tblVehicleEF	OBUS	8.2900e-004	2.0000e-004
tblVehicleEF	OBUS	4.4650e-003	4.7740e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	2.2300e-003	2.2390e-003
tblVehicleEF	OBUS	0.06	0.09
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.41	0.12
tblVehicleEF	OBUS	7.0700e-004	7.4900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2900e-004	2.0300e-004
tblVehicleEF	OBUS	4.4650e-003	4.7740e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.2300e-003	2.2390e-003
tblVehicleEF	OBUS	0.07	0.11
tblVehicleEF	OBUS	0.05	0.28
tblVehicleEF	OBUS	0.45	0.13
tblVehicleEF	OBUS	0.01	9.0830e-003
tblVehicleEF	OBUS	0.01	8.8720e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.29	0.56
tblVehicleEF	OBUS	0.84	0.98
tblVehicleEF	OBUS	7.02	2.51

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Annual

tblVehicleEF	OBUS	65.38	77.54
tblVehicleEF	OBUS	1,125.58	1,439.48
tblVehicleEF	OBUS	71.49	20.78
tblVehicleEF	OBUS	0.35	0.46
tblVehicleEF	OBUS	1.28	1.61
tblVehicleEF	OBUS	2.01	0.62
tblVehicleEF	OBUS	2.0300e-004	2.1800e-003
tblVehicleEF	OBUS	6.3680e-003	0.03
tblVehicleEF	OBUS	9.0100e-004	2.1800e-004
tblVehicleEF	OBUS	1.9400e-004	2.0860e-003
tblVehicleEF	OBUS	6.0730e-003	0.03
tblVehicleEF	OBUS	8.2900e-004	2.0000e-004
tblVehicleEF	OBUS	2.4760e-003	2.8110e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	9.7500e-004	1.1780e-003
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.06	0.30
tblVehicleEF	OBUS	0.44	0.12
tblVehicleEF	OBUS	6.3600e-004	7.3900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.3800e-004	2.0600e-004
tblVehicleEF	OBUS	2.4760e-003	2.8110e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.7500e-004	1.1780e-003
tblVehicleEF	OBUS	0.07	0.11



9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Annual

tblVehicleEF	OBUS	0.06	0.30
tblVehicleEF	OBUS	0.48	0.13
tblVehicleEF	SBUS	0.87	0.06
tblVehicleEF	SBUS	0.01	9.3510e-003
tblVehicleEF	SBUS	0.08	6.0110e-003
tblVehicleEF	SBUS	5.54	2.44
tblVehicleEF	SBUS	0.77	0.85
tblVehicleEF	SBUS	5.64	0.82
tblVehicleEF	SBUS	1,282.62	346.38
tblVehicleEF	SBUS	1,152.18	1,125.90
tblVehicleEF	SBUS	35.03	4.74
tblVehicleEF	SBUS	13.20	3.40
tblVehicleEF	SBUS	5.57	5.50
tblVehicleEF	SBUS	15.44	0.84
tblVehicleEF	SBUS	0.02	4.8620e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0700e-004	4.1000e-005
tblVehicleEF	SBUS	0.01	4.6520e-003
tblVehicleEF	SBUS	2.7710e-003	2.7030e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6600e-004	3.8000e-005
tblVehicleEF	SBUS	3.3280e-003	1.3250e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.67	0.28
tblVehicleEF	SBUS	1.3510e-003	6.0000e-004
tblVehicleEF	SBUS	0.12	0.11

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Annual

tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.29	0.03
tblVehicleEF	SBUS	0.01	3.3010e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.4800e-004	4.7000e-005
tblVehicleEF	SBUS	3.3280e-003	1.3250e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.95	0.39
tblVehicleEF	SBUS	1.3510e-003	6.0000e-004
tblVehicleEF	SBUS	0.15	0.14
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.32	0.04
tblVehicleEF	SBUS	0.87	0.06
tblVehicleEF	SBUS	0.01	9.4940e-003
tblVehicleEF	SBUS	0.06	5.0320e-003
tblVehicleEF	SBUS	5.38	2.40
tblVehicleEF	SBUS	0.78	0.87
tblVehicleEF	SBUS	3.86	0.59
tblVehicleEF	SBUS	1,348.56	354.98
tblVehicleEF	SBUS	1,152.18	1,125.93
tblVehicleEF	SBUS	35.03	4.36
tblVehicleEF	SBUS	13.63	3.47
tblVehicleEF	SBUS	5.22	5.16
tblVehicleEF	SBUS	15.41	0.83
tblVehicleEF	SBUS	0.01	4.1060e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Annual

tblVehicleEF	SBUS	5.0700e-004	4.1000e-005
tblVehicleEF	SBUS	0.01	3.9280e-003
tblVehicleEF	SBUS	2.7710e-003	2.7030e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6600e-004	3.8000e-005
tblVehicleEF	SBUS	6.4210e-003	2.3540e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	0.66	0.28
tblVehicleEF	SBUS	3.0640e-003	1.1400e-003
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.07
tblVehicleEF	SBUS	0.24	0.03
tblVehicleEF	SBUS	0.01	3.3820e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.1800e-004	4.3000e-005
tblVehicleEF	SBUS	6.4210e-003	2.3540e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	0.95	0.39
tblVehicleEF	SBUS	3.0640e-003	1.1400e-003
tblVehicleEF	SBUS	0.15	0.14
tblVehicleEF	SBUS	0.01	0.07
tblVehicleEF	SBUS	0.26	0.03
tblVehicleEF	SBUS	0.88	0.06
tblVehicleEF	SBUS	0.01	9.3430e-003
tblVehicleEF	SBUS	0.08	6.1930e-003
tblVehicleEF	SBUS	5.77	2.50
tblVehicleEF	SBUS	0.77	0.85

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Annual

tblVehicleEF	SBUS	5.69	0.86
tblVehicleEF	SBUS	1,191.56	334.50
tblVehicleEF	SBUS	1,152.18	1,125.90
tblVehicleEF	SBUS	35.03	4.80
tblVehicleEF	SBUS	12.62	3.29
tblVehicleEF	SBUS	5.48	5.42
tblVehicleEF	SBUS	15.44	0.84
tblVehicleEF	SBUS	0.02	5.9060e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0700e-004	4.1000e-005
tblVehicleEF	SBUS	0.02	5.6510e-003
tblVehicleEF	SBUS	2.7710e-003	2.7030e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6600e-004	3.8000e-005
tblVehicleEF	SBUS	3.5990e-003	1.3400e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	0.67	0.28
tblVehicleEF	SBUS	1.3510e-003	6.1900e-004
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.02	0.09
tblVehicleEF	SBUS	0.30	0.04
tblVehicleEF	SBUS	0.01	3.1880e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.4900e-004	4.8000e-005
tblVehicleEF	SBUS	3.5990e-003	1.3400e-003
tblVehicleEF	SBUS	0.03	0.01

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Annual

tblVehicleEF	SBUS	0.96	0.40
tblVehicleEF	SBUS	1.3510e-003	6.1900e-004
tblVehicleEF	SBUS	0.15	0.14
tblVehicleEF	SBUS	0.02	0.09
tblVehicleEF	SBUS	0.33	0.04
tblVehicleEF	UBUS	2.06	4.45
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	10.29	34.75
tblVehicleEF	UBUS	15.37	0.93
tblVehicleEF	UBUS	1,878.06	1,692.28
tblVehicleEF	UBUS	133.67	11.84
tblVehicleEF	UBUS	7.05	0.38
tblVehicleEF	UBUS	13.97	0.14
tblVehicleEF	UBUS	0.53	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.08	2.6530e-003
tblVehicleEF	UBUS	1.3540e-003	1.4100e-004
tblVehicleEF	UBUS	0.23	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.08	2.5270e-003
tblVehicleEF	UBUS	1.2450e-003	1.3000e-004
tblVehicleEF	UBUS	8.7400e-003	1.0750e-003
tblVehicleEF	UBUS	0.13	7.9950e-003
tblVehicleEF	UBUS	4.1930e-003	6.3000e-004
tblVehicleEF	UBUS	0.72	0.07
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.23	0.04

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Annual

tblVehicleEF	UBUS	0.01	3.0270e-003
tblVehicleEF	UBUS	1.6160e-003	1.1700e-004
tblVehicleEF	UBUS	8.7400e-003	1.0750e-003
tblVehicleEF	UBUS	0.13	7.9950e-003
tblVehicleEF	UBUS	4.1930e-003	6.3000e-004
tblVehicleEF	UBUS	2.85	4.54
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.34	0.04
tblVehicleEF	UBUS	2.07	4.45
tblVehicleEF	UBUS	0.08	9.3650e-003
tblVehicleEF	UBUS	10.40	34.75
tblVehicleEF	UBUS	12.59	0.79
tblVehicleEF	UBUS	1,878.06	1,692.28
tblVehicleEF	UBUS	133.67	11.61
tblVehicleEF	UBUS	6.56	0.38
tblVehicleEF	UBUS	13.85	0.14
tblVehicleEF	UBUS	0.53	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.08	2.6530e-003
tblVehicleEF	UBUS	1.3540e-003	1.4100e-004
tblVehicleEF	UBUS	0.23	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.08	2.5270e-003
tblVehicleEF	UBUS	1.2450e-003	1.3000e-004
tblVehicleEF	UBUS	0.02	1.9730e-003
tblVehicleEF	UBUS	0.16	9.6930e-003
tblVehicleEF	UBUS	9.9910e-003	1.3010e-003

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Annual

tblVehicleEF	UBUS	0.73	0.07
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.09	0.03
tblVehicleEF	UBUS	0.01	3.0270e-003
tblVehicleEF	UBUS	1.5680e-003	1.1500e-004
tblVehicleEF	UBUS	0.02	1.9730e-003
tblVehicleEF	UBUS	0.16	9.6930e-003
tblVehicleEF	UBUS	9.9910e-003	1.3010e-003
tblVehicleEF	UBUS	2.87	4.54
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.20	0.04
tblVehicleEF	UBUS	2.06	4.45
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	10.30	34.75
tblVehicleEF	UBUS	14.85	0.94
tblVehicleEF	UBUS	1,878.06	1,692.28
tblVehicleEF	UBUS	133.67	11.87
tblVehicleEF	UBUS	6.92	0.38
tblVehicleEF	UBUS	13.95	0.14
tblVehicleEF	UBUS	0.53	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.08	2.6530e-003
tblVehicleEF	UBUS	1.3540e-003	1.4100e-004
tblVehicleEF	UBUS	0.23	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.08	2.5270e-003
tblVehicleEF	UBUS	1.2450e-003	1.3000e-004

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Annual

tblVehicleEF	UBUS	0.01	1.1090e-003
tblVehicleEF	UBUS	0.16	9.1160e-003
tblVehicleEF	UBUS	4.4110e-003	6.4000e-004
tblVehicleEF	UBUS	0.72	0.07
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.21	0.04
tblVehicleEF	UBUS	0.01	3.0270e-003
tblVehicleEF	UBUS	1.6070e-003	1.1700e-004
tblVehicleEF	UBUS	0.01	1.1090e-003
tblVehicleEF	UBUS	0.16	9.1160e-003
tblVehicleEF	UBUS	4.4110e-003	6.4000e-004
tblVehicleEF	UBUS	2.86	4.54
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	1.32	0.04
tblVehicleTrips	CNW_TL	6.90	25.00
tblVehicleTrips	CNW_TL	6.90	25.00
tblVehicleTrips	CNW_TTP	41.00	20.00
tblVehicleTrips	CW_TTP	59.00	80.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00



## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Annual

tblVehicleTrips	ST_TR	2.46	9.78
tblVehicleTrips	ST_TR	1.49	3.94
tblVehicleTrips	ST_TR	1.68	1.74
tblVehicleTrips	SU_TR	1.05	9.78
tblVehicleTrips	SU_TR	0.62	3.94
tblVehicleTrips	SU_TR	1.68	1.74
tblVehicleTrips	WD_TR	11.03	9.78
tblVehicleTrips	WD_TR	3.82	3.94
tblVehicleTrips	WD_TR	1.68	1.74

**2.0 Emissions Summary**

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9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5172	3.0000e-005	3.4600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.6800e-003	6.6800e-003	2.0000e-005	0.0000	7.1200e-003
Energy	7.9000e-003	0.0718	0.0603	4.3000e-004		5.4600e-003	5.4600e-003		5.4600e-003	5.4600e-003	0.0000	255.7908	255.7908	0.0109	3.3800e-003	257.0721
Mobile	0.2482	1.9135	2.7335	0.0116	0.8127	0.0270	0.8397	0.2192	0.0257	0.2450	0.0000	1,108.1483	1,108.1483	0.0561	0.0000	1,109.5505
Waste						0.0000	0.0000		0.0000	0.0000	26.0397	0.0000	26.0397	1.5389	0.0000	64.5122
Water						0.0000	0.0000		0.0000	0.0000	8.9394	93.7291	102.6685	0.9231	0.0227	132.5140
<b>Total</b>	<b>0.7733</b>	<b>1.9854</b>	<b>2.7973</b>	<b>0.0120</b>	<b>0.8127</b>	<b>0.0325</b>	<b>0.8452</b>	<b>0.2192</b>	<b>0.0312</b>	<b>0.2504</b>	<b>34.9790</b>	<b>1,457.6749</b>	<b>1,492.6539</b>	<b>2.5291</b>	<b>0.0261</b>	<b>1,563.6559</b>

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Annual

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5172	3.0000e-005	3.4600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.6800e-003	6.6800e-003	2.0000e-005	0.0000	7.1200e-003
Energy	7.9000e-003	0.0718	0.0603	4.3000e-004		5.4600e-003	5.4600e-003		5.4600e-003	5.4600e-003	0.0000	255.7908	255.7908	0.0109	3.3800e-003	257.0721
Mobile	0.2482	1.9135	2.7335	0.0116	0.8127	0.0270	0.8397	0.2192	0.0257	0.2450	0.0000	1,108.1483	1,108.1483	0.0561	0.0000	1,109.5505
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	8.9394	93.7291	102.6685	0.9231	0.0227	132.5140
<b>Total</b>	<b>0.7733</b>	<b>1.9854</b>	<b>2.7973</b>	<b>0.0120</b>	<b>0.8127</b>	<b>0.0325</b>	<b>0.8452</b>	<b>0.2192</b>	<b>0.0312</b>	<b>0.2504</b>	<b>8.9394</b>	<b>1,457.6749</b>	<b>1,466.6142</b>	<b>0.9902</b>	<b>0.0261</b>	<b>1,499.1437</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>74.44</b>	<b>0.00</b>	<b>1.74</b>	<b>60.85</b>	<b>0.00</b>	<b>4.13</b>

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	11/13/2019	11/13/2019	5	1	

**Acres of Grading (Site Preparation Phase): 0**

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**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 3.33**

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

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	112.00	44.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

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**3.2 Building Construction - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.1800e-003	0.0105	8.5800e-003	1.0000e-005		6.4000e-004	6.4000e-004		6.1000e-004	6.1000e-004	0.0000	1.1755	1.1755	2.9000e-004	0.0000	1.1827
<b>Total</b>	<b>1.1800e-003</b>	<b>0.0105</b>	<b>8.5800e-003</b>	<b>1.0000e-005</b>		<b>6.4000e-004</b>	<b>6.4000e-004</b>		<b>6.1000e-004</b>	<b>6.1000e-004</b>	<b>0.0000</b>	<b>1.1755</b>	<b>1.1755</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>1.1827</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-005	2.5700e-003	5.6000e-004	1.0000e-005	1.4000e-004	2.0000e-005	1.5000e-004	4.0000e-005	2.0000e-005	6.0000e-005	0.0000	0.5656	0.5656	4.0000e-005	0.0000	0.5666
Worker	3.0000e-004	2.4000e-004	2.4100e-003	1.0000e-005	6.1000e-004	0.0000	6.2000e-004	1.6000e-004	0.0000	1.7000e-004	0.0000	0.5432	0.5432	2.0000e-005	0.0000	0.5437
<b>Total</b>	<b>3.8000e-004</b>	<b>2.8100e-003</b>	<b>2.9700e-003</b>	<b>2.0000e-005</b>	<b>7.5000e-004</b>	<b>2.0000e-005</b>	<b>7.7000e-004</b>	<b>2.0000e-004</b>	<b>2.0000e-005</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>1.1088</b>	<b>1.1088</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.1103</b>

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**3.2 Building Construction - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.1800e-003	0.0105	8.5800e-003	1.0000e-005		6.4000e-004	6.4000e-004		6.1000e-004	6.1000e-004	0.0000	1.1755	1.1755	2.9000e-004	0.0000	1.1827
<b>Total</b>	<b>1.1800e-003</b>	<b>0.0105</b>	<b>8.5800e-003</b>	<b>1.0000e-005</b>		<b>6.4000e-004</b>	<b>6.4000e-004</b>		<b>6.1000e-004</b>	<b>6.1000e-004</b>	<b>0.0000</b>	<b>1.1755</b>	<b>1.1755</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>1.1827</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-005	2.5700e-003	5.6000e-004	1.0000e-005	1.4000e-004	2.0000e-005	1.5000e-004	4.0000e-005	2.0000e-005	6.0000e-005	0.0000	0.5656	0.5656	4.0000e-005	0.0000	0.5666
Worker	3.0000e-004	2.4000e-004	2.4100e-003	1.0000e-005	6.1000e-004	0.0000	6.2000e-004	1.6000e-004	0.0000	1.7000e-004	0.0000	0.5432	0.5432	2.0000e-005	0.0000	0.5437
<b>Total</b>	<b>3.8000e-004</b>	<b>2.8100e-003</b>	<b>2.9700e-003</b>	<b>2.0000e-005</b>	<b>7.5000e-004</b>	<b>2.0000e-005</b>	<b>7.7000e-004</b>	<b>2.0000e-004</b>	<b>2.0000e-005</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>1.1088</b>	<b>1.1088</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.1103</b>

**4.0 Operational Detail - Mobile**

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9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Annual

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2482	1.9135	2.7335	0.0116	0.8127	0.0270	0.8397	0.2192	0.0257	0.2450	0.0000	1,108.1483	1,108.1483	0.0561	0.0000	1,109.5505
Unmitigated	0.2482	1.9135	2.7335	0.0116	0.8127	0.0270	0.8397	0.2192	0.0257	0.2450	0.0000	1,108.1483	1,108.1483	0.0561	0.0000	1,109.5505

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	91.00	91.00	91.00	358,435	358,435
Manufacturing	155.02	155.02	155.02	868,753	868,753
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	131.00	131.00	131.00	871,664	871,664
Total	377.02	377.02	377.02	2,098,851	2,098,851

**4.3 Trip Type Information**



9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Annual

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	100	0	0
Manufacturing	16.60	8.40	25.00	59.00	28.00	13.00	100	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	25.00	80.00	0.00	20.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.410350	0.043400	0.201050	0.120272	0.016162	0.035000	0.046000	0.123000	0.000000	0.000000	0.004766	0.000000	0.000000
Manufacturing	0.410350	0.043400	0.201050	0.120272	0.016162	0.035000	0.046000	0.123000	0.000000	0.000000	0.004766	0.000000	0.000000
Parking Lot	0.546179	0.037976	0.179086	0.122965	0.018430	0.005460	0.017497	0.061396	0.001337	0.001657	0.006117	0.000817	0.001082
Unrefrigerated Warehouse-No Rail	0.410350	0.043400	0.201050	0.120272	0.016162	0.035000	0.046000	0.123000	0.000000	0.000000	0.004766	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated							0.0000	0.0000		0.0000	0.0000	177.6414	177.6414	9.4300e-003	1.9500e-003	178.4583
Electricity Unmitigated							0.0000	0.0000		0.0000	0.0000	177.6414	177.6414	9.4300e-003	1.9500e-003	178.4583
NaturalGas Mitigated	7.9000e-003	0.0718	0.0603	4.3000e-004		5.4600e-003	5.4600e-003		5.4600e-003	5.4600e-003	0.0000	78.1494	78.1494	1.5000e-003	1.4300e-003	78.6138
NaturalGas Unmitigated	7.9000e-003	0.0718	0.0603	4.3000e-004		5.4600e-003	5.4600e-003		5.4600e-003	5.4600e-003	0.0000	78.1494	78.1494	1.5000e-003	1.4300e-003	78.6138

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	32271	1.7000e-004	1.5800e-003	1.3300e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	1.7221	1.7221	3.0000e-005	3.0000e-005	1.7323
Manufacturing	1.27929e+006	6.9000e-003	0.0627	0.0527	3.8000e-004		4.7700e-003	4.7700e-003		4.7700e-003	4.7700e-003	0.0000	68.2680	68.2680	1.3100e-003	1.2500e-003	68.6737
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	152900	8.2000e-004	7.5000e-003	6.3000e-003	4.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	8.1593	8.1593	1.6000e-004	1.5000e-004	8.2078
<b>Total</b>		<b>7.8900e-003</b>	<b>0.0718</b>	<b>0.0603</b>	<b>4.3000e-004</b>		<b>5.4600e-003</b>	<b>5.4600e-003</b>		<b>5.4600e-003</b>	<b>5.4600e-003</b>	<b>0.0000</b>	<b>78.1494</b>	<b>78.1494</b>	<b>1.5000e-003</b>	<b>1.4300e-003</b>	<b>78.6138</b>

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**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	32271	1.7000e-004	1.5800e-003	1.3300e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	1.7221	1.7221	3.0000e-005	3.0000e-005	1.7323
Manufacturing	1.27929e+006	6.9000e-003	0.0627	0.0527	3.8000e-004		4.7700e-003	4.7700e-003		4.7700e-003	4.7700e-003	0.0000	68.2680	68.2680	1.3100e-003	1.2500e-003	68.6737
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	152900	8.2000e-004	7.5000e-003	6.3000e-003	4.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	8.1593	8.1593	1.6000e-004	1.5000e-004	8.2078
<b>Total</b>		<b>7.8900e-003</b>	<b>0.0718</b>	<b>0.0603</b>	<b>4.3000e-004</b>		<b>5.4600e-003</b>	<b>5.4600e-003</b>		<b>5.4600e-003</b>	<b>5.4600e-003</b>	<b>0.0000</b>	<b>78.1494</b>	<b>78.1494</b>	<b>1.5000e-003</b>	<b>1.4300e-003</b>	<b>78.6138</b>

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Annual

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	88536	21.9446	1.1600e-003	2.4000e-004	22.0455
Manufacturing	399656	99.0592	5.2600e-003	1.0900e-003	99.5148
Parking Lot	50750	12.5790	6.7000e-004	1.4000e-004	12.6368
Unrefrigerated Warehouse-No Rail	177755	44.0586	2.3400e-003	4.8000e-004	44.2612
<b>Total</b>		<b>177.6414</b>	<b>9.4300e-003</b>	<b>1.9500e-003</b>	<b>178.4583</b>

## 9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Annual

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

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	88536	21.9446	1.1600e-003	2.4000e-004	22.0455
Manufacturing	399656	99.0592	5.2600e-003	1.0900e-003	99.5148
Parking Lot	50750	12.5790	6.7000e-004	1.4000e-004	12.6368
Unrefrigerated Warehouse-No Rail	177755	44.0586	2.3400e-003	4.8000e-004	44.2612
<b>Total</b>		<b>177.6414</b>	<b>9.4300e-003</b>	<b>1.9500e-003</b>	<b>178.4583</b>

**6.0 Area Detail****6.1 Mitigation Measures Area**

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5172	3.0000e-005	3.4600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.6800e-003	6.6800e-003	2.0000e-005	0.0000	7.1200e-003
Unmitigated	0.5172	3.0000e-005	3.4600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.6800e-003	6.6800e-003	2.0000e-005	0.0000	7.1200e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0595					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4574					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.3000e-004	3.0000e-005	3.4600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.6800e-003	6.6800e-003	2.0000e-005	0.0000	7.1200e-003
<b>Total</b>	<b>0.5173</b>	<b>3.0000e-005</b>	<b>3.4600e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>6.6800e-003</b>	<b>6.6800e-003</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>7.1200e-003</b>

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**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0595					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4574					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.3000e-004	3.0000e-005	3.4600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.6800e-003	6.6800e-003	2.0000e-005	0.0000	7.1200e-003
<b>Total</b>	<b>0.5173</b>	<b>3.0000e-005</b>	<b>3.4600e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>6.6800e-003</b>	<b>6.6800e-003</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>7.1200e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	102.6685	0.9231	0.0227	132.5140
Unmitigated	102.6685	0.9231	0.0227	132.5140

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	1.65292 / 1.01308	8.6488	0.0543	1.3600e-003	10.4117
Manufacturing	9.10662 / 0	32.2798	0.2983	7.3300e-003	41.9215
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	17.4178 / 0	61.7399	0.5705	0.0140	80.1809
<b>Total</b>		<b>102.6685</b>	<b>0.9231</b>	<b>0.0227</b>	<b>132.5140</b>



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**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	1.65292 / 1.01308	8.6488	0.0543	1.3600e-003	10.4117
Manufacturing	9.10662 / 0	32.2798	0.2983	7.3300e-003	41.9215
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	17.4178 / 0	61.7399	0.5705	0.0140	80.1809
<b>Total</b>		<b>102.6685</b>	<b>0.9231</b>	<b>0.0227</b>	<b>132.5140</b>

**8.0 Waste Detail**

---

**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Annual

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	26.0397	1.5389	0.0000	64.5122

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	8.65	1.7559	0.1038	0.0000	4.3501
Manufacturing	48.83	9.9121	0.5858	0.0000	24.5567
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	70.8	14.3718	0.8494	0.0000	35.6054
<b>Total</b>		<b>26.0397</b>	<b>1.5389</b>	<b>0.0000</b>	<b>64.5122</b>

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Annual

**8.2 Waste by Land Use**

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building		0.0000	0.0000	0.0000	0.0000
Manufacturing		0.0000	0.0000	0.0000	0.0000
Parking Lot		0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail		0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**9.0 Operational Offroad**

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

**10.0 Stationary Equipment**

**Fire Pumps and Emergency Generators**

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

**Boilers**

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

**User Defined Equipment**

9th and Vineyard Existing Conditions - San Bernardino-South Coast County, Annual

Equipment Type	Number
----------------	--------

**11.0 Vegetation**

---



Health Risk Assessment  
9<sup>th</sup> Street and Vineyard Avenue Warehouse Project  
City of Rancho Cucamonga, California

Prepared by:

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June 2021

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**APPENDIX**

Appendix A: Modeling Data

**LIST OF ABBREVIATED TERMS**

A	absorption factor from inhalation
ACES	Advanced Collaborative Emissions Study
ASF	age sensitivity factor
AB	Assembly Bill
APN	Assessor's Parcel Number
APS	auxiliary power system
AT	averaging time
AQMP	Air Quality Management Plan
ATCM	Air Toxic Control Measure
CARB	California Air Resources Board
CCAA	California Clean Air Act
CEQA	California Environmental Quality Act
CPF	cancer potency factor
$C_{air}$	air concentration from model
$C_i$	air concentration of substance
DBR	daily breathing rate
DOORS	Diesel Off-Road Reporting System
DPM	Diesel Particulate Matter
DRRP	Diesel Risk Reduction Plan
Dose-air	does through inhalation
du/ac	dwelling units per acre
EMFAC	Emissions Factor Model
ED	exposure duration
EF	exposure frequency
°F	Fahrenheit
FCAA	Federal Clean Air Act
FAH	fraction of time spent at home
GSP	gross state product
GVWR	gross vehicle weight rating
HAP	hazardous air pollutant
HOA	homeowner's association
HQ	health quotient
HRA	health risk assessment
kg	kilograms
L	liter
MATES	Multiple Air Toxics Exposure Study
MICR	Maximum Individual Cancer Risk
mg	milligrams
$\mu\text{g}/\text{m}^3$	micrograms per cubic meter
MSAT	Mobile Source Air Toxic
NAAQS	National Ambient Air Quality Standards
NED	National Elevation Dataset



**LIST OF ABBREVIATED TERMS (CONTINUED)**

NESHAP	National Emissions Standards for Hazardous Air Pollutants
NO <sub>2</sub>	nitrogen dioxide
NO <sub>x</sub>	nitrogen oxides
O <sub>3</sub>	ozone
OEHHA	Office Environmental Health Hazard Assessment
PM	particulate matter
PM <sub>10</sub>	particulate matter less than 10 microns in diameter
PM <sub>2.5</sub>	particulate matter less than 2.5 microns in diameter
PERP	Portable Equipment Registration Program
REL	Reference Exposure Level
REL <sub>i</sub>	Reference Exposure Level of substance
Risk <sub>inh-res</sub>	residential inhalation cancer risk
SB	Senate Bill
SCAB	South Coast Air Basin
SCAQMD	South Coast Air Quality Management District
T-BACT	toxics best available control technology
TAC	Toxic Air Contaminant
U.S. EPA	United States Environmental Protection Agency
VMT	vehicle miles traveled
VOC	volatile organic compound

## 1 INTRODUCTION

The purpose of this Health Risk Assessment (HRA) is to evaluate potential health risks associated with Diesel Particulate Matter (DPM) resulting from the implementation of the proposed 9<sup>th</sup> Street and Vineyard Avenue Warehouse Project. This HRA was prepared in accordance with the requirements of the South Coast Air Quality Management District (SCAQMD) *Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis* (2003) and the Office of Environmental Health Hazard Assessment (OEHHA) *Air Toxics Hot Spots Program Risk Assessment Guidance Manual for Preparation of Health Risk Assessments* (February 2015), to determine if health risks are likely to occur from the Project. Technical data is included as see [Appendix A: Modeling Data](#).

### 1.1 PROJECT LOCATION

The Project site is located south of E. 9th Street, directly west of Vineyard Avenue, directly north of the Burlington Northern Santa Fe (BNSF) Railway, and directly east of Baker Avenue in the southwestern area of the City of Rancho Cucamonga. The 47-acre site is located approximately one-mile north of Interstate 10 (I-10), four miles west of Interstate 15 (I-15), 2.7 miles south of the Foothill Freeway (SR-210), and 4.2 miles north of State Route 60 (SR-60); refer to Exhibit 1: Regional Map and Exhibit 2: Local Vicinity Map.

### 1.2 PROJECT DESCRIPTION

The Project is proposing to demolish four existing buildings (two warehouses and two office buildings) and construct three warehouse buildings with ancillary office space and associated parking and landscaping on approximately 47 acres. As shown in [Exhibit 3: Building Site Configuration](#), the proposed Project would include three warehouse buildings for a total of 1,037,467 square feet, 415 automobile parking spaces, and 195 trailer parking spaces. Vehicular access to the proposed Project would consist of six project driveways; one on 9<sup>th</sup> Street, two on Vineyard Avenue, and three on Baker Avenue. All entrances to the site would be unsignalized.

#### Existing General Plan Land Use and Zoning Designations

The majority of the Project site is zoned Neo-Industrial (NI), with the exception of a small portion of the Project site fronting Baker Avenue and the Project's northern property line having a zoning designation of Industrial Park (IP). Adjacent properties to the north are zoned for Industrial Park, Neo-Industrial, and Medium Density Residential. Properties to the west are zoned Low Density Residential. The BNSF railway and properties zoned for Industrial uses are directly south of the site. The site is bordered to the east by Vineyard Avenue and the Cucamonga Creek, a concrete-lined stormwater drainage channel. Cucamonga Creek originates in the San Gabriel Mountains to the north of the site and flows roughly north to south into the Santa Ana River at the Prado Dam.

#### Warehouse Facility

The proposed Project consists of three warehouse buildings for a total of 13,000 square feet of office uses and 1,024,467 square feet of warehouse uses for a total of 1,037,467 square feet; refer to [Table 1: Building Summary](#). It should be noted that the Project cannot exceed a maximum of 358,563.5 square feet for refrigerated purposes (35 percent of the total warehouse square footage).

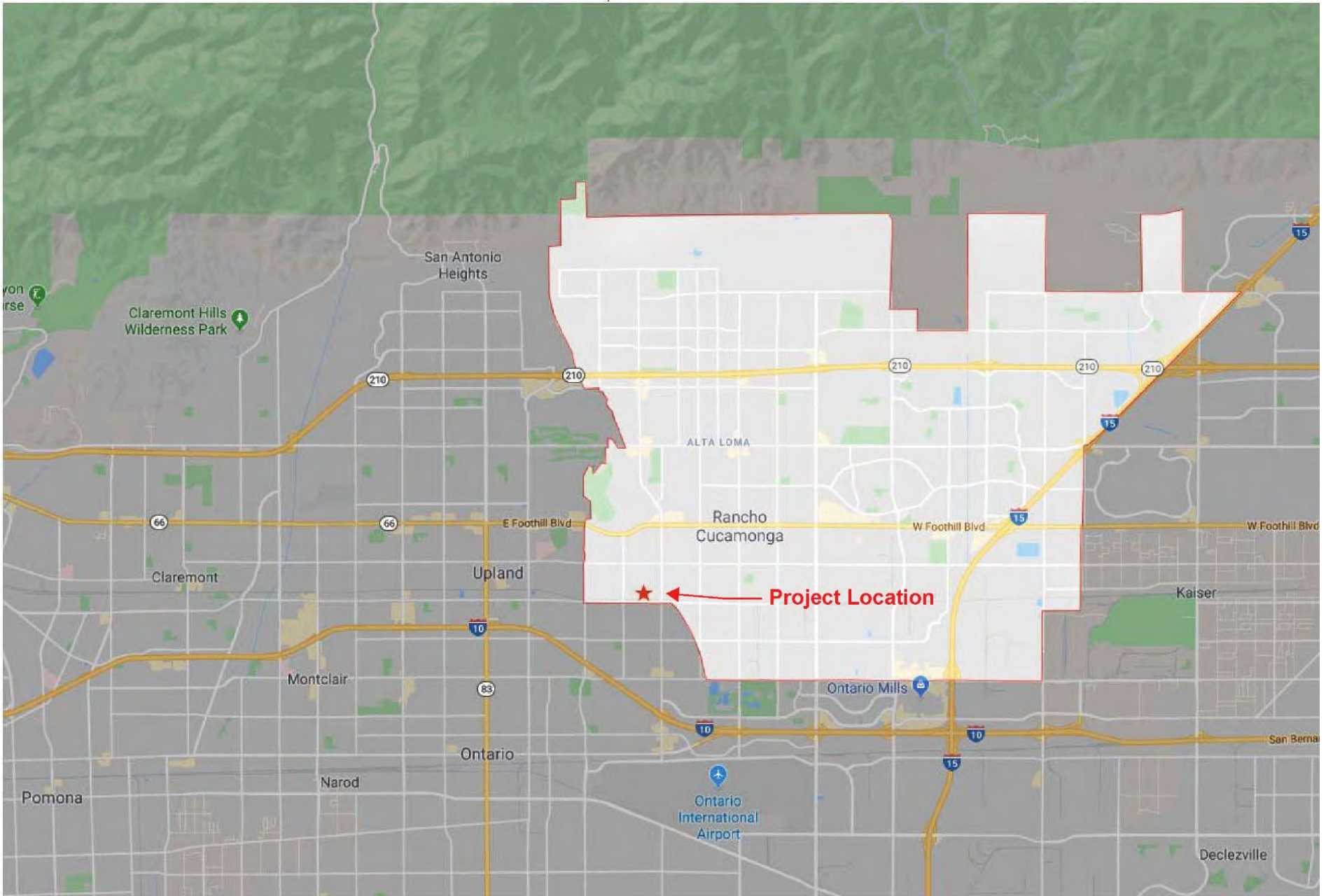
Building	Warehouse (sf)	Office 1st Floor (sf)	Office 2 <sup>nd</sup> Floor (sf)	Total Building (sf)	Automobile Parking Stalls		Trailer Parking Stalls	
					Required	Provided	Required	Provided
Building 1	632,580	4,000	0	636,580	195	195	100	148
Building 2	126,531	2,000	2,000	130,531	68	73	13	13
Building 3	265,356	2,500	2,500	270,356	107	147	28	34
Notes: Square feet (sf)								

### **Site Access**

Vehicular access to the proposed Project would consist of six project driveways; one on 9<sup>th</sup> Street, two on Vineyard Avenue, and three on Baker Avenue. All entrances to the site would be unsignalized.

### **Parking**

The Project provides 415 automobile parking stalls, exceeding the requirement of 370 automobile parking stalls. Additionally, 195 trailer parking stalls are provided.



**EXHIBIT 1:** Regional Map  
9th and Vineyard Development Project



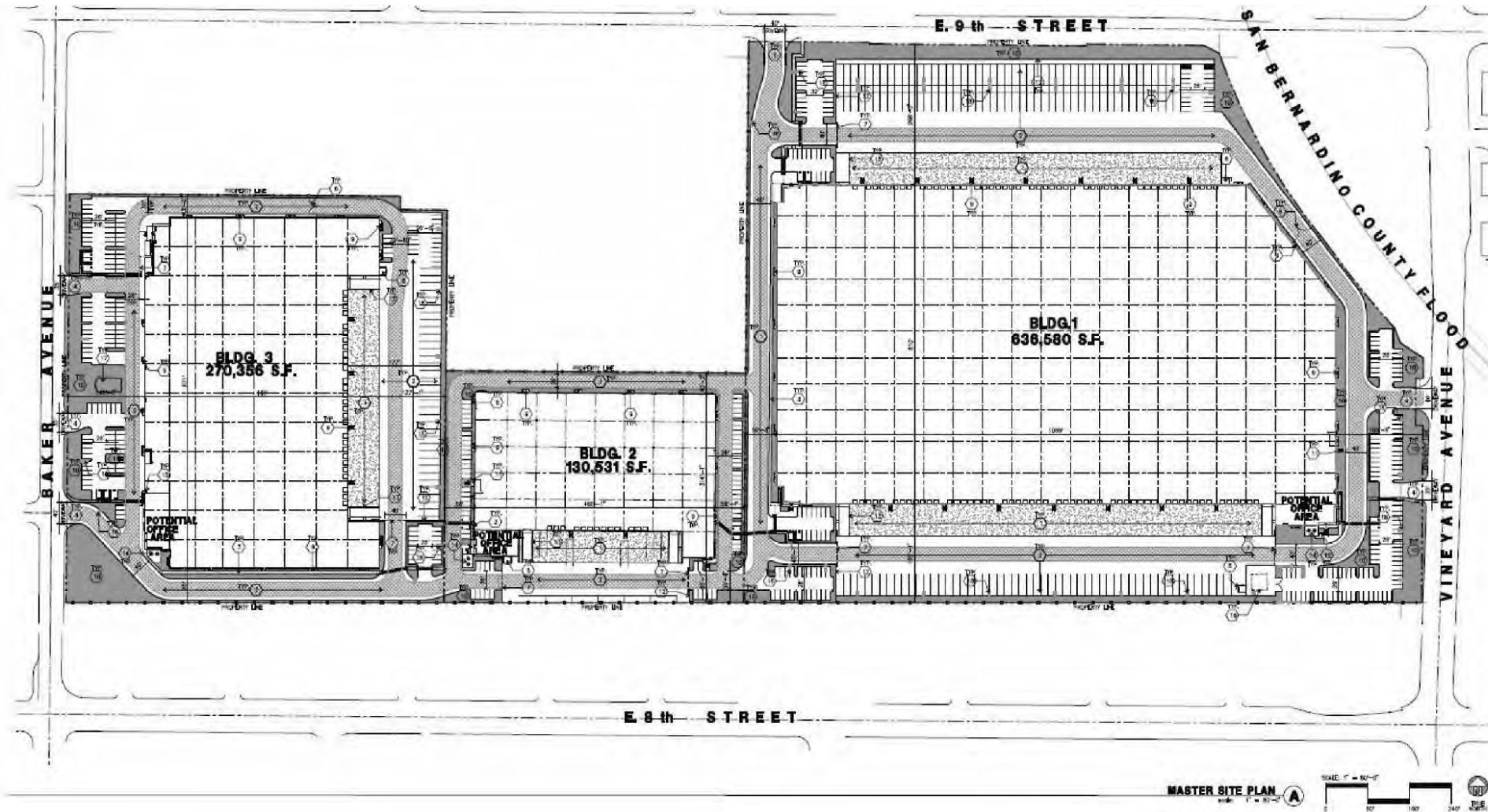




**EXHIBIT 2:** Local Vicinity Map  
9th and Vineyard Development Project







**EXHIBIT 3:** Building Site Configuration  
9th and Vineyard Development Project



## 2 ENVIRONMENTAL SETTING

### 2.1 CLIMATE

The general region lies in the semi-permanent high-pressure zone of the eastern Pacific. The climate is mild and tempered by cool sea breezes. The usually mild climatological pattern is interrupted infrequently by periods of extremely hot weather, winter storms, or Santa Ana winds. The extent and severity of the air pollution problem in the South Coast Air Basin (SCAB) is a function of the area's natural physical characteristics (weather and topography), as well as man-made influences (development patterns and lifestyle). Factors such as wind, sunlight, temperature, humidity, rainfall, and topography all affect the accumulation and/or dispersion of pollutants throughout the SCAB. These factors along with applicable regulations are discussed below.

The average annual temperature varies little throughout the SCAB, averaging 75 degrees Fahrenheit (°F). However, with a less-pronounced oceanic influence, the eastern inland portions of the SCAB show greater variability in annual minimum and maximum temperatures. All portions of the SCAB have had recorded temperatures over 100°F in recent years.

### 2.2 METEOROLOGY

Although the SCAB has a semi-arid climate, the air near the surface is moist due to the presence of a shallow marine layer. Except for infrequent periods when dry, continental air is brought into the SCAB by offshore winds, the ocean effect is dominant. Periods with heavy fog are frequent, and low stratus clouds, occasionally referred to as "high fog," are a characteristic climate feature. Annual average relative humidity is 70 percent at the coast and 57 percent in the eastern part of the SCAB. Precipitation in the SCAB is typically nine to 14 inches annually and is rarely in the form of snow or hail due to typically warm weather. The frequency and amount of rainfall is greater in the coastal areas of the SCAB.

A temperature inversion is defined as an increase in temperature with height, or to the layer within which such an increase occurs. The height of the inversion is important in determining pollutant concentration. When the inversion is approximately 2,500 feet above sea level, the sea breezes carry the pollutants inland to escape over the mountain slopes or through the passes. At a height of 1,200 feet, the terrain prevents the pollutants from entering the upper atmosphere, resulting in a settlement in the foothill communities. Below 1,200 feet, the inversion puts a tight lid on pollutants, concentrating them in a shallow layer over the entire SCAB. Usually, inversions are lower before sunrise than during the day. Mixing heights for inversions are lower in the summer and more persistent, being partly responsible for the high levels of ozone (O<sub>3</sub>) observed during summer months in the SCAB. Smog in southern California is generally the result of these temperature inversions combining with coastal day winds and local mountains to contain the pollutants for long periods of time, allowing them to form secondary pollutants by reacting with sunlight. The SCAB has a limited ability to disperse these pollutants due to typically low wind speeds.

The area in which the Project is located offers clear skies and sunshine, yet is still susceptible to air inversions. These inversions trap a layer of stagnant air near the ground, where it is then further loaded

with pollutants. These inversions cause haziness, which is caused by moisture, suspended dust, and a variety of chemical aerosols emitted by trucks, automobiles, furnaces, and other sources.

### 2.3 TOXIC AIR CONTAMINANTS

Toxic Air Contaminants (TACs) are airborne substances capable of causing short-term (acute) and long-term (chronic or carcinogenic, i.e. cancer causing) adverse human health effects (i.e. injury or illness). TACs include both organic and inorganic chemical substances. They may be emitted from a variety of common sources including gasoline stations, automobiles, dry cleaners, industrial operations, and painting operations. The current California list of TACs includes approximately 200 compounds, including particulate emissions from diesel-fueled engines.

Hazardous Air Pollutants (HAP) is a term used by the Federal Clean Air Act (FCAA) that includes a variety of pollutants generated or emitted by industrial production activities. Identified as TACs under the California Clean Air Act (CCAA), ten have been singled out through ambient air quality data as being the most substantial health risk in California. Direct exposure to these pollutants has been shown to cause cancer, birth defects, damage to the brain and nervous system, and respiratory disorders. The California Air Resources Board (CARB) provides emission inventories for only the larger air basins.

TACs do not have ambient air quality standards because no safe levels of TACs can be determined. Instead, TAC impacts are evaluated by calculating the health risks associated with a given exposure. The requirements of the Air Toxic “Hot Spots” Information and Assessment Act (Assembly Bill [AB] 2588) apply to facilities that use, produce, or emit toxic chemicals. Facilities subject to the toxic emission inventory requirements of the act must prepare and submit toxic emission inventory plans and reports, and periodically update those reports.

Toxic contaminants often result from fugitive emissions during fuel storage and transfer activities, and from leaking valves and pipes. For example, the electronics industry, including semiconductor manufacturing, uses highly toxic chlorinated solvents in semiconductor production processes. Sources of air toxics go beyond industry, however. Automobile exhaust also contains toxic air pollutants such as benzene and 1,3-butadiene. DPM is emitted from both mobile and stationary sources. In California, on-road diesel-fueled engines contribute approximately 24 percent of the statewide total, with an additional 71 percent attributed to other mobile sources such as construction and mining equipment, agricultural equipment, and transport refrigeration units. Stationary sources contribute about 5 percent of total DPM. It should be noted that CARB has developed several plans and programs to reduce diesel emissions such as the Diesel Risk Reduction Plan (DRRP), the Statewide Portable Equipment Registration Program (PERP), and the Diesel Off-Road Reporting System (DOORS). The PERP and DOORS programs allow owners or operators of portable engines and certain other types of equipment can register their units in order to operate their equipment throughout California without having to obtain individual permits from local air districts.

Diesel exhaust and many individual substances contained in it (including arsenic, benzene, formaldehyde, and nickel) have the potential to contribute to mutations in cells that can lead to cancer. Long-term exposure to diesel exhaust particles poses the highest cancer risk of any TAC evaluated by



OEHHA. CARB estimates that about 70 percent of the cancer risk that the average Californian faces from breathing toxic air pollutants stems from diesel exhaust particles.

In its comprehensive assessment of diesel exhaust, OEHHA analyzed more than 30 studies of people who worked around diesel equipment, including truck drivers, railroad workers, and equipment operators. The studies showed these workers were more likely to develop lung cancer than workers not exposed to diesel emissions. These studies provide strong evidence that long-term occupational exposure to diesel exhaust increases the risk of lung cancer. Using information from OEHHA's assessment, CARB estimates that diesel particle levels measured in California's air in 2000 could cause 540 "excess" cancers in a population of 1 million people over a 70-year lifetime. Other researchers and scientific organizations, including the National Institute for Occupational Safety and Health, have calculated cancer risks from diesel exhaust similar to those developed by OEHHA and CARB.

Exposure to diesel exhaust can have immediate health effects. Diesel exhaust can irritate the eyes, nose, throat, and lungs, and it can cause coughs, headaches, lightheadedness, and nausea. In studies with human volunteers, diesel exhaust particles made people with allergies more susceptible to the materials to which they are allergic, such as dust and pollen. Exposure to diesel exhaust also causes inflammation in the lungs, which may aggravate chronic respiratory symptoms and increase the frequency or intensity of asthma attacks.

Diesel engines are a major source of fine particulate pollution. The elderly and people with emphysema, asthma, and chronic heart and lung disease are especially sensitive to fine-particle pollution. Numerous studies have linked elevated particle levels in the air to increased hospital admissions, emergency room visits, asthma attacks, and premature deaths among those suffering from respiratory problems. Because children's lungs and respiratory systems are still developing, they are also more susceptible than healthy adults to fine particles. Exposure to fine particles is associated with increased frequency of childhood illnesses and can also reduce lung function in children. In California, diesel exhaust particles have been identified as a carcinogen.

## 2.4 SENSITIVE RECEPTORS

Sensitive populations are more susceptible to the effects of air pollution than is the general population. Sensitive receptors that are in proximity to localized sources of toxics are of particular concern. Land uses considered sensitive receptors include residences, schools, playgrounds, childcare centers, long-term health care facilities, rehabilitation centers, convalescent centers, and retirement homes. Sensitive land uses surrounding the Project consist mostly of single-family residential communities. Sensitive land uses nearest to the Project are shown in [Table 2: Sensitive Receptors](#).

<b>Receptor Description</b>	<b>Distance and Direction from the Project</b>
Single-Family Residential Community	50 feet to the north
Single-Family Residential Community	80 feet to the west
San Antonio Christian School	130 feet to the south
Single-Family Residential Community	260 feet to the south
Kid's Club	330 feet to the south
Los Amigos Elementary School	360 feet to the northwest
Single-Family Residential Community	390 feet to the southeast
Chinese Christian Family Church	810 feet to the north
Dorothy Gibson High School	1,560 feet to the south
Arroyo Elementary School	1,560 feet to the south
Bear Gulch Park	2,000 feet to the northeast
Bear Gulch Elementary School	2,300 feet to the northeast
Valley View High School	2,370 feet to the south

### 3 REGULATORY SETTING

#### 3.1 FEDERAL

##### Federal Clean Air Act

The FCAA was amended in 1990 to address the numerous air pollutants that are known to cause or may reasonably be anticipated to cause adverse effects to human health or adverse environmental effects. 188 specific pollutants and chemical groups were initially identified as HAPs, and the list has been modified over time. The FCAA Amendments included new regulatory programs to control acid deposition and for the issuance of stationary source operating permits.

In 2001, the United States Environmental Protection Agency (U.S. EPA) issued its first Mobile Source Air Toxics Rule, which identified 21 mobile source air toxic (MSAT) compounds as being HAPs that required regulation. A subset of six of these MSAT compounds were identified as having the greatest influence on health and included benzene, 1,3-butadiene, formaldehyde, acrolein, acetaldehyde, and DPM. More recently, the U.S. EPA issued a second MSAT Rule in February 2007, which generally supported the findings in the first rule and provided additional recommendations of compounds having the greatest impact on health. The rule also identified several engine emission certification standards that must be implemented. Unlike the criteria pollutants, toxics do not have National Ambient Air Quality Standards (NAAQS) making evaluation of their impacts more subjective.

National Emissions Standards for Hazardous Air Pollutants (NESHAPs) were incorporated into a greatly expanded program for controlling toxic air pollutants. The provisions for attainment and maintenance of the NAAQS were substantially modified and expanded. Other revisions included provisions regarding stratospheric ozone protection, increased enforcement authority, and expanded research programs.

Section 112 of the FCAA Amendments governs the federal control program for HAPs. NESHAPs are issued to limit the release of specified HAPs from specific industrial sectors. These standards are technology-based, meaning that they represent the best available control technology an industrial sector could afford. The level of emissions controls required by NESHAPs are not based on health risk considerations because allowable releases and resulting concentrations have not been determined to be safe for the general public. The FCAA does not establish air quality standards for HAPs that define legally acceptable concentrations of these pollutants in ambient air.

##### Federal Emissions Standards for On-Road Trucks

To reduce emissions from on-road, heavy-duty diesel trucks, the U.S. EPA established a series of increasingly strict emission standards for new engines, starting in 1988. The U.S. EPA promulgated the final and cleanest standards with the 2007 Heavy-Duty Highway Rule.<sup>1</sup> The PM emission standard of 0.01 gram per horsepower-hour (g/hp-hr) is required for new vehicles beginning with model year 2007.

<sup>1</sup> United States Environmental Protection Agency (U.S. EPA), *Control of Air Pollution from New Motor Vehicles: Heavy-Duty Engine and Vehicle Standards and Highway Diesel Fuel Sulfur Control Requirements*, Final Rule. 40 Code of Federal Regulations, Parts 69, 80, and 86. January 18, 2001.

Also, the NO<sub>x</sub> and nonmethane hydrocarbon (NMHC) standards of 0.20 g/hp-hr and 0.14 g/hp-hr, respectively, were phased in together between 2007 and 2010 on a percent of sales basis: 50 percent from 2007 to 2009 and 100 percent in 2010.

## 3.2 STATE OF CALIFORNIA

### California Air Resources Board

CARB's statewide comprehensive air toxics program was established in 1983 with AB 1807 the Toxic Air Contaminant Identification and Control Act (Tanner Air Toxics Act of 1983). AB 1807 created California's program to reduce exposure to air toxics and sets forth a formal procedure for CARB to designate substances as TACs. Once a TAC is identified, CARB adopts an airborne toxics control measure (ATCM) for sources that emit designated TACs. If there is a safe threshold for a substance at which there is no toxic effect, the control measure must reduce exposure to below that threshold. If there is no safe threshold, the measure must incorporate toxics best available control technology (T-BACT) to minimize emissions.

CARB also administers the state's mobile source emissions control program and oversees air quality programs established by state statute, such as AB 2588. 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, required to communicate the results to the public in the form of notices and public meetings. In September 1992, the AB 2588 was amended by Senate Bill (SB) 1731 which required facilities that pose a significant health risk to the community to reduce their risk through a risk management plan.

### Diesel Risk Reduction Plan

The identification of DPM as a TAC in 1998 led CARB to adopt the Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles (DRRP) in October 2000. The DRRP's goals include an 85 percent reduction in DPM by 2020 from the 2000 baseline<sup>2</sup>. CARB estimates that emissions of DPM in 2035 will be less than half those in 2010, further reducing statewide cancer risk and non-cancer health effects.<sup>3</sup> The DRRP includes regulations to establish cleaner new diesel engines, cleaner in-use diesel engines (retrofits), and cleaner diesel fuel.

### Truck and Bus Regulation Reducing Emissions from Existing Diesel Vehicles

On December 12, 2008, CARB approved the Truck and Bus Regulation to significantly reduce particulate matter (PM) and oxides of nitrogen (NO<sub>x</sub>) emissions from existing diesel vehicles operating in California. The regulation requires diesel trucks and buses that operate in California to be upgraded to reduce emissions. Heavier trucks must be retrofitted with PM filters beginning January 1, 2012, and older trucks

<sup>2</sup> California Air Resources Board, *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles*, October 2000.

<sup>3</sup> California Air Resources Board, *Overview: Diesel Exhaust & Health*, available at: <https://ww2.arb.ca.gov/resources/overview-diesel-exhaust-and-health>, accessed on November 5, 2019.

must be replaced starting January 1, 2015. By January 1, 2023, nearly all trucks and buses would need to have 2010 model year engines or equivalent.

The regulation applies to most privately and federally-owned diesel fueled trucks and buses and to privately and publicly owned school buses with a gross vehicle weight rating (GVWR) greater than 14,000 pounds. Small fleets with three or fewer diesel trucks can delay compliance for heavier trucks and there are several extensions for low-mileage construction trucks, early PM filter retrofits, adding cleaner vehicles, and other situations. Privately and publicly owned school buses have different requirements.

### **Heavy-Duty Vehicle Idling Emission Reduction Program**

The purpose of the CARB ATCM to Limit Diesel-Fueled Commercial Motor Vehicle Idling is to reduce public exposure to diesel particulate matter and criteria pollutants by limiting the idling of diesel-fueled commercial vehicles. The driver of any vehicle subject to this ATCM is prohibited from idling the vehicle's primary diesel engine for greater than five minutes at any location and is prohibited from idling a diesel-fueled auxiliary power system (APS) for more than five minutes to power a heater, air conditioner, or any ancillary equipment on the vehicle if it has a sleeper berth and the truck is located within 100 feet of a restricted area (homes and schools).

CARB Final Regulation Order, Requirements to Reduce Idling Emissions from New and In-Use Trucks, beginning in 2008, would require that new 2008 and subsequent model-year heavy-duty diesel engines be equipped with an engine shutdown system that automatically shuts down the engine after 300 seconds of continuous idling operation once the vehicle is stopped, the transmission is set to "neutral" or "park", and the parking brake is engaged.

### **CalEnviroScreen**

OEHHA has developed CalEnviroScreen 3.0, which is a mapping tool that helps identify California communities that are most affected by many sources of pollution, and where people are often especially vulnerable to pollution's effects. CalEnviroScreen uses environmental, health, and socioeconomic information to produce scores for every census tract in the State. The scores are mapped so that different communities can be compared. An area with a high score is one that experiences a much higher pollution burden than areas with low scores.

According to CalEnviroScreen, the Project site is located within Census Tract 6071002105, which is within the 80-85 percentile. The residences that are located south of the Project site are within the 90-95 percentile in Census Tract 6071001307. It should be noted that the CalEnviroScreen scores are not an expression of health risk, and do not provide quantitative information on increases in cumulative impacts for specific sites or projects. Further, as a comparative screening tool, the results do not provide a basis for determining when differences between scores are significant in relation to public health or the environment.

## CARB Advanced Clean Truck Regulation

CARB adopted the Advanced Clean Truck Regulation in June 2020 requiring truck manufacturers to transition from diesel trucks and vans to electric zero-emission trucks beginning in 2024. By 2045, every new truck sold in California is required to be zero-emission. This rule directly addresses disproportionate risks and health and pollution burdens and puts California on the path for an all zero-emission short-haul drayage fleet in ports and railyards by 2035, and zero-emission “last-mile” delivery trucks and vans by 2040. The Advanced Clean Truck Regulation accelerates the transition of zero-emission medium-and heavy-duty vehicles from Class 2b to Class 8. The regulation has two components including a manufacturer sales requirement, and a reporting requirement:

- **Zero-Emission Truck Sales:** Manufacturers who certify Class 2b through 8 chassis or complete vehicles with combustion engines are required to sell zero-emission trucks as an increasing percentage of their annual California sales from 2024 to 2035. By 2035, zero-emission truck/chassis sales need to be 55 percent of Class 2b – 3 truck sales, 75 percent of Class 4 – 8 straight truck sales, and 40 percent of truck tractor sales.
- **Company and Fleet Reporting:** Large employers including retailers, manufacturers, brokers and others would be required to report information about shipments and shuttle services. Fleet owners, with 50 or more trucks, would be required to report about their existing fleet operations. This information would help identify future strategies to ensure that fleets purchase available zero-emission trucks and place them in service where suitable to meet their needs.

### 3.3 REGIONAL

#### South Coast Air Quality Management District

The CCAA provides the SCAQMD with the authority to manage transportation activities at indirect sources and regulate stationary source emissions. Indirect sources of pollution are generated when minor sources collectively emit a substantial amount of pollution. An example of this would be the motor vehicles at an intersection, a mall, and on highways. As a State agency, CARB regulates motor vehicles and fuels for their emissions.

#### Air Toxics Control Plan

The Air Toxics Control Plan (March 2000, revised March 26, 2004) is a planning document designed to examine the overall direction of the SCAQMD’s air toxics control program. It includes development and implementation of strategic initiatives to monitor and control air toxics emissions. Control strategies that are deemed viable and are within the SCAQMD’s jurisdiction will each be brought to the SCAQMD Board for further consideration through the normal public review process. Strategies that are to be implemented by other agencies will be developed in a cooperative effort, and the progress will be reported back to the Board periodically.

### **Multiple Air Toxics Exposure Study**

The SCAQMD conducted an in-depth analysis of the toxic air contaminants and their resulting health risks for all of Southern California. The Multiple Air Toxics Exposure Study in the SCAB (MATES IV) shows that cancer risk has decreased more than 50 percent between MATES III (2008) and MATES IV (2015).

MATES IV is the most comprehensive dataset documenting the ambient air toxic levels and health risks associated with the SCAB emissions. Therefore, MATES IV study represents the baseline health risk for a cumulative analysis. MATES IV estimates the average excess cancer risk level from exposure to TACs is less than 400 in one million basin-wide. These model estimates were based on monitoring data collected at ten fixed sites within the SCAB. None of the fixed monitoring sites are near the Project site. However, MATES IV has extrapolated the excess cancer risk levels throughout the SCAB by modeling the specific grids. MATES IV modeling predicted an excess cancer risk of 427 in one million for the Project area. DPM is included in this cancer risk along with all other TAC sources. DPM accounts for 68 percent of the total risk shown in MATES IV. The SCAQMD is currently preparing MATES V, which will be the latest comprehensive study of levels of toxic air pollutants the region, MATES V will include an advanced monitoring component with a focus on refinery emissions.

## 4 SIGNIFICANCE CRITERIA AND METHODOLOGY

### 4.1 HEALTH RISK ANALYSIS THRESHOLDS

Project health risks are determined by examining the types and levels of air toxics generated and the associated impacts on factors that affect air quality. While the final determination of significance thresholds is within the purview of the lead agency pursuant to the State CEQA Guidelines, the SCAQMD recommends that the following air pollution thresholds be used by lead agencies in determining whether the impacts from the Project are significant. If the lead agency finds that the Project has the potential to exceed the air pollution thresholds, the Project should be considered significant. The thresholds for air toxic emissions are as follows.

- **Cancer Risk:** Emit contaminants that exceed the maximum individual cancer risk of 10 in one million.
- **Non-Cancer Risk:** Emit contaminants that exceed the maximum hazard quotient of 1 in one million.

Cancer risk is expressed in terms of expected incremental incidence per million population. The SCAQMD has established an incidence rate of 10 persons per million as the maximum acceptable incremental cancer risk due to DPM exposure. This threshold serves to determine whether or not a given project has a potentially significant development-specific incremental impact. The 10 in one million standard is a health-protective significance threshold. A risk level of 10 in one million implies a likelihood that up to 10 persons, out of one million equally exposed people would contract cancer if exposed continuously (24 hours per day) to the levels of toxic air contaminants over a specified duration of time. This risk would be an excess cancer that is in addition to any cancer risk borne by a person not exposed to these air toxics. To put this risk in perspective, the risk of dying from accidental drowning is 1,000 in a million which is 100 times more than the SCAQMD's threshold of 10 in one million.

The SCAQMD has also established non-carcinogenic risk parameters for use in HRAs. Noncarcinogenic risks are quantified by calculating a "hazard index," expressed as the ratio between the ambient pollutant concentration and its toxicity or Reference Exposure Level (REL). An REL is a concentration at or below which health effects are not likely to occur. A hazard index of less than 1.0 means that adverse health effects are not expected. Within this analysis, non-carcinogenic exposures of less than 1.0 are considered less than significant.

### 4.2 METHODOLOGY

#### Emissions Rates

The Project is located near existing residential uses. Due to the increased truck traffic from the Project, the resulting emissions could result in pollutant concentrations at existing sensitive receptors. Average daily trips from truck traffic to the Project is from the Transportation Impact Study, which is based standard Institute of Transportation Engineers (ITE) trip generation rates for warehousing (ITE code 150). The Project would generate a total of 1,805 daily vehicle trips with 369 daily truck trips



(approximately 20.4 percent trucks). The fleet mix includes 79.6 percent passenger cars, 3.5 percent light trucks, 4.6 percent medium duty trucks, and 12.3 percent heavy duty trucks.<sup>4</sup> An emission rate for PM<sub>10</sub> (DPM) was calculated using trip data and a CARB 2017 Emission FACTor model (EMFAC)<sup>5</sup> model run for San Bernardino County; refer to Appendix A. The analysis includes onsite idling and truck traffic on the following roadways and vehicle speeds are:

- Vineyard Avenue (45 miles per hour)
- 8<sup>th</sup> Street (35 miles per hour)
- 9<sup>th</sup> Street (35 miles per hour)
- Onsite Truck Traffic (15 miles per hour)

Truck traffic on surrounding roadways are based on the truck trip distribution from the Traffic Impact Study. The emissions rate was calculated using 2021 emissions factors since project construction would be completed in late-2020 and are shown in Table 3: DPM Emissions Rates. This approach is conservative as it assumes no cleaner technology in future years.

Vehicle Type	Daily Truck Trips <sup>1</sup>	PM <sub>10</sub> Emissions Rate (g/hour)	PM <sub>10</sub> Emissions Rate (g/mile)		
		Idle	15 mph	35 mph	45 mph
2-Axle Trucks (LHDT2)	62	0.001291366	0.022303688	0.011956709	0.010217153
3-Axle Trucks (MHDT)	84	0.002095931	0.092378691	0.051344596	0.055667576
4+ Axle Trucks (HHDT)	223	0.008699258	0.048623219	0.035482383	0.042108345

g = grams; mph = miles per hour

1. Daily truck trips are from Table 5-1 of the *9<sup>th</sup> and Vineyard Warehouse Project Traffic Impact Study*, prepared by Kimley-Horn (2019). Refer to Appendix A for emissions rate calculations.

## Dispersion Modeling

The air dispersion modeling for the HRA was performed using the U.S. EPA AERMOD dispersion model. AERMOD is a steady-state, multiple-source, Gaussian dispersion model designed for use with emission sources situated in terrain where ground elevations can exceed the stack heights of the emission sources (not a factor in this case). AERMOD requires hourly meteorological data consisting of wind vector, wind speed, temperature, stability class, and mixing height. AERMOD regulatory defaults, the “Urban” modeling option for the County, and “Elevated” terrain were used for this analysis. In addition, National Elevation Dataset (NED) terrain data was imported into AERMOD for the Project. The modeling and analysis was prepared in accordance with the SCAQMD Modeling Guidance for AERMOD<sup>6</sup>.

Surface and upper air AERMOD-ready preprocessed meteorological data is provided by the SCAQMD. Surface and upper air meteorological data from the Upland Air Monitoring Station was selected as being the most representative for meteorology based on proximity to the Project site.

<sup>4</sup> Per the Project’s Transportation Impact Study, trip generation is based on Institute of Transportation Engineers (ITE) *Trip Generation Manual*, 10th Edition, and the vehicle mix is based on the City of Fontana, *Truck Trip Generation Study*, August 2003.

<sup>5</sup> California Air Resources Board, *EMFAC 2017 Web Database*, [www.arb.ca.gov/emfac/2017/](http://www.arb.ca.gov/emfac/2017/), September 2020.

<sup>6</sup> South Coast Air Quality Management District, *SCAQMD Modeling Guidance for AERMOD*, <https://www.aqmd.gov/home/air-quality/meteorological-data/modeling-guidance>, accessed September 2020.

The emission sources in the model are line volume sources (comprised of smaller adjacent volume sources) for the loading dock idling areas, on-site truck circulation, and off-site truck routes. Heavy duty vehicle emissions were assigned a release height of 12 feet (3.66 meters), a plume height of 20.4 feet (6.22 meters). A release height of 12 feet is the average stack height for trucks and the plume height is based on U.S. EPA guidance for vehicle volume sources; refer to [Table 4: Emissions Sources](#).

<b>Emissions Source Type</b>	<b>Geometric Configuration</b>	<b>Relevant Assumptions</b>
On- and Off-Site Diesel Trucks	Line Source (Adjacent Volume)	Release Height of 3.66 meters
Trucks Idling at Loading Docks		Plume Height of 6.22 meters Plume Width of 8.6 meters

Refer to [Appendix A](#) for model data.

AERMOD was run to obtain the peak 1-hour and annual average concentration in micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ) of  $\text{PM}_{10}$  at the nearby sensitive receptors. According to the SCAQMD's Supplemental Guidelines for Preparing Risk Assessments for AB 2588, air dispersion modeling is required to estimate annual average concentrations to calculate the Maximum Individual Cancer Risk (MICR), the maximum chronic HI, the zones of impact, and excess cancer burden, as well as peak hourly concentrations to calculate the health impact from substances with acute non-cancer health effects. To achieve these goals, a receptor grid was placed over the Project site to cover the zone of impact. According to the SCAQMD, in order "to identify the maximum impacted receptors (i.e. peak cancer risk and peak hazard indices) a grid spacing of 100 meters or less must be used" (see page 16 of SCAQMD's Supplemental Guidelines). Due to the size of the Project site, receptors were modeled with a 50-meter grid spacing.

Note that the concentration estimate developed using this methodology is conservative and is not a specific prediction of the actual concentrations that would occur at the Project site any one point in time. Actual 1-hour and annual average concentrations are dependent on many variables, particularly the number and type of vehicles and equipment operating at specific distances during time periods of adverse meteorology. A health risk computation was performed to determine the risk of developing an excess cancer risk calculated on these worst-case exposure duration scenarios. The chronic and carcinogenic health risk calculations are based on the standardized equations contained in the OEHHA Guidance Manual. Only the risk associated with the worst-case location of the Project was assessed.

## Risk and Hazard Assessment

### Cancer Risk

Based on the OEHHA methodology, residential inhalation cancer risk from annual average DPM concentrations are calculated by multiplying the daily inhalation dose, cancer potency factor, age sensitivity factor (ASF), frequency of time spent at home, and exposure duration divided by averaging time, yielding the excess cancer risk. These factors are discussed in more detail below. It is important to note that exposure duration is based on continual heavy truck operation along nearby roadways. Exposure through inhalation (Dose-air) is a function of breathing rate, exposure frequency, and

concentration of substance in the air. To estimate cancer risk, the dose was estimated by applying the following formula to each ground-level concentration:

$$\text{Dose-air} = C_{\text{air}} * (\text{BR}/\text{BW}) * A * \text{EF} * 10^{-6}$$

Dose-air =	dose through inhalation (mg/kg/day)
$C_{\text{air}}$ =	air concentration ( $\mu\text{g}/\text{m}^3$ ) from air dispersion model
(DBR/BW) =	daily breathing rate normalized to body weight (L/kg bodyweight-day)
A =	inhalation absorption factor (unitless)
EF =	exposure frequency (approximately 350 days per year for residential)
$10^{-6}$ =	conversion factor (micrograms to milligrams, liters to cubic meters)

OEHHA developed ASFs to consider the increased sensitivity to carcinogens during early-life exposure. Fraction of time at home (FAH) during the day is used to adjust exposure duration and cancer risk from a specific facility's emissions, based on the assumption that exposure to the facility's emissions are not occurring away from home. The factors used in the health risk assessment are shown in [Table 5: Age Sensitivity Factors, Fraction of Time at Home, and Daily Breathing Rates](#).

Age	Default Age Sensitivity Factor <sup>1</sup> (ASF)	Fraction of Time at Home (FAH)	Daily Breathing Rate (L/kg BW-day <sup>2</sup> )
Third trimester	10	100%	361
0 to 2 years	10	100%	1,090
Ages 2 through 15 years	3	100%	745
Ages 16 and greater	1	73%	335

1. Accounts for potential increased sensitivity to carcinogens during childhood.  
 2. 95<sup>th</sup> percentile daily breathing rate normalized to body weight (L/kg body weight - day)

Source: California Office of Environmental Health Hazard Assessment, *Air Toxics Program Guidance Manual for the Preparation of Health Risk Assessments*, February 2015 and South Coast Air Quality Management District, Permit Application Package "N" Risk Assessment Procedures for Rules 1401, 1401.1, and 212 Version 8.1.

To estimate the cancer risk, the dose is multiplied by the cancer potency factor, the ASF, the exposure duration divided by averaging time, and the frequency of time spent at home (for residents only):

$$\text{Risk}_{\text{inh-res}} = (\text{Dose}_{\text{air}} * \text{CPF} * \text{ASF} * (\text{ED}/\text{AT}) * \text{FAH})$$

$\text{Risk}_{\text{inh-res}}$ =	residential inhalation cancer risk (potential chances per million)
$\text{Dose}_{\text{air}}$ =	daily dose through inhalation (mg/kg-day)
CPF =	inhalation cancer potency factor ( $\text{mg}/\text{kg}\text{-day}^{-1}$ )
ASF =	age sensitivity factor for a specified age group (unitless)
ED =	exposure duration (years)
AT =	averaging time of lifetime cancer risk (years)
FAH =	fraction of time spent at home (unitless)

### Chronic Non-Cancer Hazard

Non-cancer chronic impacts are calculated by dividing the annual average concentration by the REL for that substance. The REL is defined as the concentration at which no adverse non-cancer health effects are anticipated. The following equation was used to determine the non-cancer risk:

$$\text{Hazard Quotient} = C_i / \text{REL}_i$$

$C_i$  = concentration in the air of substance  $i$  (annual average concentration in  $\mu\text{g}/\text{m}^3$ )

$\text{REL}_i$  = chronic noncancer Reference Exposure Level for substance ( $\mu\text{g}/\text{m}^3$ )

### Health Risk Computation

A health risk computation was performed to determine the risk of developing an excess cancer risk calculated on a 30-year exposure scenario using CARB's Risk Assessment Stand Alone Tool (RAST). Health risk were analyzed at the point of maximum impact and are a conservative estimate. The pollutant concentrations are then used to estimate the long-term cancer health risk to an individual as well as the non-cancer chronic health index. The off-site impacts would occur from the diesel trucks accessing the proposed Project. The cancer and chronic health risks are based on the annual average concentration of  $\text{PM}_{10}$  (used as a proxy for DPM).

## 5 POTENTIAL HEALTH RISK IMPACTS

CARB identified DPM as a TAC in 1998. Mobile sources (including trucks, buses, automobiles, trains, ships, and farm equipment) are by far the largest source of diesel emissions. The exhaust from diesel engines includes hundreds of different gaseous and particulate components, many of which are toxic. Diesel exhaust is composed of two phases, either gas or particulate – both contribute to the risk. The gas phase is composed of many of the urban TACs, such as acetaldehyde, acrolein, benzene, 1,3-butadiene, formaldehyde, and polycyclic aromatic hydrocarbons. The particulate phase has many different types that can be classified by size or composition. The sizes of diesel particulates of greatest health concern are fine and ultrafine particles. These particles may be composed of elemental carbon with adsorbed compounds such as organics, sulfates, nitrates, metals, and other trace elements. Diesel exhaust is emitted from a broad range of on- and off-road diesel engines. As the Project is proposed near existing residences, an analysis of DPM was performed using the U.S. EPA-approved AERMOD model.

### 5.1 CARCINOGENIC RISK

Vehicle DPM emissions were estimated using emission factors for coarse particulate matter less than 10 microns in diameter (PM<sub>10</sub>) generated with the EMFAC developed by CARB. EMFAC is a mathematical model that was developed to calculate emission rates from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by CARB to project changes in future emissions from on-road mobile sources. EMFAC, incorporates regional motor vehicle data, information and estimates regarding the distribution of vehicle miles traveled (VMT) by speed, and number of starts per day. The model includes the emissions benefits of the truck and bus rule and the previously adopted rules for other on-road diesel equipment.

For this Project, annual average PM<sub>10</sub> emission factors were generated by running EMFAC for vehicles in the SCAQMD within the South Coast portion of San Bernardino County. EMFAC generates emission factors in terms of grams of pollutant emitted per vehicle activity and can calculate a matrix of emission factors at specific values of vehicle speed, temperature, and relative humidity. The model was run for heavy-duty diesel vehicles traveling along Vineyard Avenue, 8<sup>th</sup> Street, 9<sup>th</sup> Street, and Baker Street, as well as circulating the Project site and idling at proposed loading docks.

Based on the AERMOD outputs, the highest expected annual average diesel PM<sub>10</sub> emission concentrations from diesel truck traffic near sensitive receptors would be 0.007 µg/m<sup>3</sup>. The calculations conservatively assume no cleaner technology with lower emissions in future years. As shown in [Table 6: Risk Assessment Results](#), the highest calculated carcinogenic risk resulting from the Project is 6.09 per million residents. As shown, impacts related to cancer risk would be less than significant at nearby residential communities.

It should be noted that carcinogenic risks are calculated as the incremental probability of an individual developing cancer over a lifetime as a result of exposure to a potential carcinogen and are calculated using conservative modeling approaches that overestimate risk at the low exposure range predicted by the model. The oral and inhalation cancer slope factors are used to calculate the theoretical increased risk of an individual developing cancer based on the estimated daily exposure or dose, averaged over a lifetime. [Table 6](#) shows that impacts related to cancer risk would be less than significant at nearby

residential communities. Therefore, the Project would not adversely impact neighboring disadvantaged communities (as defined by CalEnviroScreen).

Exposure Scenario	Maximum Cancer Risk (Risk per Million) <sup>1, 2</sup>	Significance Threshold (Risk per Million)	Exceeds Significance Threshold?
Residents	6.09	10	No
<sup>1</sup> Refer to <a href="#">Appendix A: Modeling Data</a> . <sup>2</sup> The maximum cancer risk would be experienced along the north property line and in the southeast along Vineyard Avenue based on worst-case exposure durations for the Project, 95 <sup>th</sup> percentile breathing rates, and 30-year averaging time.			

## 5.2 NON-CARCINOGENIC HAZARDS

The significance thresholds for TAC exposure also require an evaluation of non-cancer risk stated in terms of a hazard index. Non-cancer chronic impacts are calculated by dividing the annual average concentration by the REL for that substance. The REL is defined as the concentration at which no adverse non-cancer health effects are anticipated. RELs are designed to protect sensitive individuals within the population.

Chronic impacts are shown in [Table 7: Chronic Hazard Assessment Results](#). A chronic hazard index of 1.0 is considered individually significant. The hazard index is calculated by dividing the chronic exposure by the reference exposure level. The chronic hazard is calculated based on the REL for DPM. The highest maximum chronic hazard index from the Project would be 0.0014. Therefore, non-carcinogenic hazards are calculated to be within acceptable limits and a less than significant impact would occur.

Emissions Sources	Chronic Hazard
Operations	0.0014
<i>SCAQMD Threshold</i>	<i>1.0</i>
<b>Threshold Exceeded?</b>	<b>No</b>
Refer to <a href="#">Appendix A: Modeling Data</a> .	

## Conclusion

As described above, impacts related to cancer risk would be less than significant. Additionally, non-carcinogenic hazards are calculated to be within acceptable limits. It should be noted that the impacts assess the Project's incremental contribution to health risk impacts, consistent with the SCAQMD guidance and methodology. The SCAQMD has not established separate cumulative thresholds and does not require combining impacts from cumulative projects. The SCAQMD considers projects that do not exceed the project-specific thresholds to generally not be cumulatively significant<sup>7</sup>. Therefore, impacts related to health risk from the Project would be less than significant.

**Mitigation Measures:** No mitigation is required.

**Level of Significance:** Less than significant impact.

<sup>7</sup> South Coast Air Quality Management District, *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution*, August 2003.

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# Appendix A

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## Modeling Data



Refrigeration Unit Emissions	Speed (mph)	Size (hp)	Load Factor	On/Off Cycle Factor	Emissions Factor (g/bhp-hr)	Daily Trucks with TRU (veh/day)	Cooling Time (hr/veh)	Emissions (g/day)	Emissions (g/sec)
Vineyard Avenue1	45	34	0.53	0.5	0.02	129	3.44E-03	8.01E-02	9.27E-07
Vineyard Avenue2	45	34	0.53	0.5	0.02	77	1.83E-02	2.56E-01	2.96E-06
8th Street	35	34	0.53	0.5	0.02	32	1.97E-02	1.15E-01	1.33E-06
9th Street	35	34	0.53	0.5	0.02	52	2.01E-02	1.87E-01	2.17E-06
Onsite Truck Traffic	15	34	0.53	0.5	0.02	65	9.85E-02	1.15E+00	1.33E-05
Onsite Idling	Idle	34	0.53	0.5	0.02	129	2.78E-04	6.46E-03	7.47E-08

Truck Route Emissions	Speed (mph)	Trips (veh/day)	Emission Factor (g/mi)	Length (meters)	Length (mi/veh)	Emissions (g/day)	Emission Rate (g/sec)	TRU Emission Rate (g/sec)	Total Emission Rate (g/sec)
Vineyard Avenue1	45	369	0.03708	249.1	0.15	2.12E+00	2.45E-05	9.27E-07	2.54E-05
Vineyard Avenue2	45	221	0.03708	1328.1	0.83	6.77E+00	7.84E-05	2.96E-06	8.14E-05
8th Street	35	92	0.03277	1110.9	0.69	2.09E+00	2.42E-05	1.33E-06	2.55E-05
9th Street	35	148	0.03277	1131.9	0.70	3.40E+00	3.94E-05	2.17E-06	4.15E-05
Onsite Truck Traffic	15	185	0.05001	2377.4	1.48	1.36E+01	1.58E-04	1.33E-05	1.71E-04

Loading Dock Idling	Speed (mph)	Trips (veh/day)	Emission Factor (g/hr)	Duration (hr/veh)	Emissions (g/day)	Emission Rate (g/sec)
Idle 1	Idle	62	0.005872877	0.25	9.03E-02	1.05E-06
Idle 2	Idle	69	0.005872877	0.25	1.02E-01	1.18E-06
Idle 3	Idle	17	0.005872877	0.25	2.50E-02	2.89E-07
Idle 4	Idle	37	0.005872877	0.25	5.38E-02	6.23E-07

EMFAC2017 (v1.0.2) Emission Rates

	Project Mix	Idle (g/trip)	15 mph (g/mi)	35 mph (g/mi)	45 mph (g/mi)	
Region Type: Sub-Area	HHDT	0.6	0.008699258	0.048623219	0.035482383	0.042108345
Region: San Bernardino (SC)	LHDT2	0.23	0.001291366	0.022303688	0.011956709	0.010217153
Calendar Year: 2021	MHDT	0.17	0.002095931	0.092378691	0.051344596	0.055667576
Season: Annual	Weighted Rates		0.005872877	0.050008157	0.032768054	0.03707844

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, g/mile for RUNEX, PMBW and PMTW. Note 'day' in the unit is operation day.

Region	Calendar Yr	Vehicle Cat	Model Year	Speed	Fuel	Population	VMT	Trips	PM10_IDLEX	
San Bernardino (SC)	2021	HHDT	Aggregated	Aggregated	GAS	6.267730564	456.4383219	125.4047531	0	0
San Bernardino (SC)	2021	HHDT	Aggregated	Aggregated	DSL	14609.69545	1750601.476	149055.5236	0.087730257	1281.712343
San Bernardino (SC)	2021	HHDT	Aggregated	Aggregated	NG	1134.840306	46285.16752	4425.877194	0.048070916	54.55281307
San Bernardino (SC)	2021	LHDT2	Aggregated	Aggregated	GAS	2597.418836	86917.15935	38697.6705	0	0
San Bernardino (SC)	2021	LHDT2	Aggregated	Aggregated	DSL	4361.281704	160058.2159	54859.43735	0.027702066	120.8165115
San Bernardino (SC)	2021	MHDT	Aggregated	Aggregated	GAS	1417.166829	77624.61365	28354.67391	0	0
San Bernardino (SC)	2021	MHDT	Aggregated	Aggregated	DSL	14359.016	949976.8547	144022.9116	0.025161304	361.2915735

Region	Calendar Yr	Vehicle Cat	Model Year	Speed	Fuel	VMT	PM10_RUNEX	
San Bernardino (SC)	2021	HHDT	Aggregated	15	GAS	9.347711865	0.005113308	0.047797734
San Bernardino (SC)	2021	HHDT	Aggregated	15	DSL	32137.94675	0.052029509	1672.121592
San Bernardino (SC)	2021	HHDT	Aggregated	15	NG	2708.404987	0.00835433	22.62691031
San Bernardino (SC)	2021	LHDT2	Aggregated	15	GAS	2067.173588	0.002961493	6.121919518
San Bernardino (SC)	2021	LHDT2	Aggregated	15	DSL	2242.171274	0.040136257	89.99236161
San Bernardino (SC)	2021	MHDT	Aggregated	15	GAS	1589.727434	0.003021601	4.803522438
San Bernardino (SC)	2021	MHDT	Aggregated	15	DSL	13763.29375	0.10269987	1413.488481

San Bernardino (SC)	2021	HHDT	Aggregated	35	GAS	42.49522501	0.001890585	0.080340827
San Bernardino (SC)	2021	HHDT	Aggregated	35	DSL	136743.2887	0.037723409	5158.423019
San Bernardino (SC)	2021	HHDT	Aggregated	35	NG	9979.89333	0.004919147	49.09256322
San Bernardino (SC)	2021	LHDT2	Aggregated	35	GAS	7659.489638	0.000997753	7.642278182
San Bernardino (SC)	2021	LHDT2	Aggregated	35	DSL	10904.67646	0.019654324	214.3240474
San Bernardino (SC)	2021	MHDT	Aggregated	35	GAS	7226.990515	0.001015696	7.340422293
San Bernardino (SC)	2021	MHDT	Aggregated	35	DSL	79834.64247	0.055900594	4462.803945

San Bernardino (SC)	2021	HHDT	Aggregated	45	GAS	54.32120439	0.001563053	0.084906928
San Bernardino (SC)	2021	HHDT	Aggregated	45	DSL	161712.3757	0.043475683	7030.555975
San Bernardino (SC)	2021	HHDT	Aggregated	45	NG	5859.525851	0.004748142	27.82185948
San Bernardino (SC)	2021	LHDT2	Aggregated	45	GAS	9271.838993	0.000797019	7.389835517
San Bernardino (SC)	2021	LHDT2	Aggregated	45	DSL	12866.92098	0.017005254	218.8052542
San Bernardino (SC)	2021	MHDT	Aggregated	45	GAS	9238.186851	0.000810626	7.488712475
San Bernardino (SC)	2021	MHDT	Aggregated	45	DSL	108665.8316	0.06033122	6555.942235

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\*\* AERMOD Input Produced by:  
\*\* AERMOD View Ver. 9.9.0  
\*\* Lakes Environmental Software Inc.  
\*\* Date: 9/22/2020  
\*\* File: C:\Lakes\AERMOD View\9th\_and\_Vineyard\9th\_and\_Vineyard.ADI

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\*\* AERMOD Control Pathway  
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CO STARTING  
TITLEONE Operations  
MODELOPT DFAULT CONC  
AVERTIME 1 24 ANNUAL  
URBANOPT 2035210 San\_Bernardino\_County  
POLLUTID PM\_10  
RUNORNOT RUN  
ERRORFIL 9th\_and\_Vineyard.err

CO FINISHED

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\*\* AERMOD Source Pathway  
\*\*\*\*\*

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SO STARTING  
\*\* Source Location \*\*  
\*\* Source ID - Type - X Coord. - Y Coord. \*\*

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE1

\*\* DESCRSRC Vineyard 2

\*\* PREFIX

\*\* Length of Side = 8.60

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.0000814

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 2

\*\* 443631.647, 3772694.360, 343.44, 3.11, 4.00

\*\* 443611.473, 3771366.447, 322.51, 3.11, 4.00

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LOCATION L0011531      VOLUME  443631.582 3772690.061 343.47
LOCATION L0011532      VOLUME  443631.451 3772681.462 343.32
LOCATION L0011533      VOLUME  443631.321 3772672.863 343.16
LOCATION L0011534      VOLUME  443631.190 3772664.264 342.99
LOCATION L0011535      VOLUME  443631.059 3772655.665 342.81
LOCATION L0011536      VOLUME  443630.929 3772647.066 342.60
LOCATION L0011537      VOLUME  443630.798 3772638.467 342.39
LOCATION L0011538      VOLUME  443630.667 3772629.868 342.18
LOCATION L0011539      VOLUME  443630.537 3772621.269 342.04
LOCATION L0011540      VOLUME  443630.406 3772612.670 341.94
LOCATION L0011541      VOLUME  443630.276 3772604.071 341.85
LOCATION L0011542      VOLUME  443630.145 3772595.472 341.74
LOCATION L0011543      VOLUME  443630.014 3772586.873 341.56
LOCATION L0011544      VOLUME  443629.884 3772578.274 341.37
LOCATION L0011545      VOLUME  443629.753 3772569.675 341.19
LOCATION L0011546      VOLUME  443629.622 3772561.076 340.94
LOCATION L0011547      VOLUME  443629.492 3772552.477 340.63
LOCATION L0011548      VOLUME  443629.361 3772543.878 340.31
LOCATION L0011549      VOLUME  443629.230 3772535.279 340.00
LOCATION L0011550      VOLUME  443629.100 3772526.680 339.86
LOCATION L0011551      VOLUME  443628.969 3772518.081 339.74
LOCATION L0011552      VOLUME  443628.839 3772509.482 339.61
LOCATION L0011553      VOLUME  443628.708 3772500.883 339.49
LOCATION L0011554      VOLUME  443628.577 3772492.284 339.35
LOCATION L0011555      VOLUME  443628.447 3772483.685 339.22
LOCATION L0011556      VOLUME  443628.316 3772475.086 339.08
LOCATION L0011557      VOLUME  443628.185 3772466.487 338.95
LOCATION L0011558      VOLUME  443628.055 3772457.888 338.81
LOCATION L0011559      VOLUME  443627.924 3772449.289 338.67
LOCATION L0011560      VOLUME  443627.793 3772440.690 338.53
LOCATION L0011561      VOLUME  443627.663 3772432.091 338.38
LOCATION L0011562      VOLUME  443627.532 3772423.492 338.24
LOCATION L0011563      VOLUME  443627.402 3772414.893 338.10
LOCATION L0011564      VOLUME  443627.271 3772406.294 337.96
LOCATION L0011565      VOLUME  443627.140 3772397.695 337.83
LOCATION L0011566      VOLUME  443627.010 3772389.096 337.69
LOCATION L0011567      VOLUME  443626.879 3772380.497 337.56
LOCATION L0011568      VOLUME  443626.748 3772371.898 337.43
LOCATION L0011569      VOLUME  443626.618 3772363.299 337.31
LOCATION L0011570      VOLUME  443626.487 3772354.700 337.18
LOCATION L0011571      VOLUME  443626.356 3772346.101 337.04
LOCATION L0011572      VOLUME  443626.226 3772337.502 336.88
LOCATION L0011573      VOLUME  443626.095 3772328.903 336.71
LOCATION L0011574      VOLUME  443625.964 3772320.304 336.55
LOCATION L0011575      VOLUME  443625.834 3772311.705 336.40
LOCATION L0011576      VOLUME  443625.703 3772303.105 336.26
LOCATION L0011577      VOLUME  443625.573 3772294.506 336.11

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LOCATION L0011578	VOLUME	443625.442	3772285.907	335.97
LOCATION L0011579	VOLUME	443625.311	3772277.308	335.85
LOCATION L0011580	VOLUME	443625.181	3772268.709	335.73
LOCATION L0011581	VOLUME	443625.050	3772260.110	335.61
LOCATION L0011582	VOLUME	443624.919	3772251.511	335.50
LOCATION L0011583	VOLUME	443624.789	3772242.912	335.38
LOCATION L0011584	VOLUME	443624.658	3772234.313	335.27
LOCATION L0011585	VOLUME	443624.527	3772225.714	335.15
LOCATION L0011586	VOLUME	443624.397	3772217.115	334.99
LOCATION L0011587	VOLUME	443624.266	3772208.516	334.83
LOCATION L0011588	VOLUME	443624.136	3772199.917	334.67
LOCATION L0011589	VOLUME	443624.005	3772191.318	334.51
LOCATION L0011590	VOLUME	443623.874	3772182.719	334.36
LOCATION L0011591	VOLUME	443623.744	3772174.120	334.21
LOCATION L0011592	VOLUME	443623.613	3772165.521	334.06
LOCATION L0011593	VOLUME	443623.482	3772156.922	333.96
LOCATION L0011594	VOLUME	443623.352	3772148.323	333.86
LOCATION L0011595	VOLUME	443623.221	3772139.724	333.76
LOCATION L0011596	VOLUME	443623.090	3772131.125	333.61
LOCATION L0011597	VOLUME	443622.960	3772122.526	333.36
LOCATION L0011598	VOLUME	443622.829	3772113.927	333.12
LOCATION L0011599	VOLUME	443622.699	3772105.328	332.88
LOCATION L0011600	VOLUME	443622.568	3772096.729	332.60
LOCATION L0011601	VOLUME	443622.437	3772088.130	332.32
LOCATION L0011602	VOLUME	443622.307	3772079.531	332.03
LOCATION L0011603	VOLUME	443622.176	3772070.932	331.78
LOCATION L0011604	VOLUME	443622.045	3772062.333	331.65
LOCATION L0011605	VOLUME	443621.915	3772053.734	331.53
LOCATION L0011606	VOLUME	443621.784	3772045.135	331.40
LOCATION L0011607	VOLUME	443621.653	3772036.536	331.28
LOCATION L0011608	VOLUME	443621.523	3772027.937	331.17
LOCATION L0011609	VOLUME	443621.392	3772019.338	331.06
LOCATION L0011610	VOLUME	443621.262	3772010.739	330.94
LOCATION L0011611	VOLUME	443621.131	3772002.140	330.79
LOCATION L0011612	VOLUME	443621.000	3771993.541	330.65
LOCATION L0011613	VOLUME	443620.870	3771984.942	330.50
LOCATION L0011614	VOLUME	443620.739	3771976.343	330.37
LOCATION L0011615	VOLUME	443620.608	3771967.744	330.26
LOCATION L0011616	VOLUME	443620.478	3771959.145	330.14
LOCATION L0011617	VOLUME	443620.347	3771950.546	330.03
LOCATION L0011618	VOLUME	443620.216	3771941.947	329.94
LOCATION L0011619	VOLUME	443620.086	3771933.348	329.85
LOCATION L0011620	VOLUME	443619.955	3771924.749	329.77
LOCATION L0011621	VOLUME	443619.825	3771916.150	329.67
LOCATION L0011622	VOLUME	443619.694	3771907.551	329.56
LOCATION L0011623	VOLUME	443619.563	3771898.952	329.44
LOCATION L0011624	VOLUME	443619.433	3771890.353	329.33
LOCATION L0011625	VOLUME	443619.302	3771881.754	329.23

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LOCATION L0011626	VOLUME	443619.171	3771873.155	329.14
LOCATION L0011627	VOLUME	443619.041	3771864.556	329.05
LOCATION L0011628	VOLUME	443618.910	3771855.957	328.95
LOCATION L0011629	VOLUME	443618.779	3771847.358	328.80
LOCATION L0011630	VOLUME	443618.649	3771838.759	328.64
LOCATION L0011631	VOLUME	443618.518	3771830.160	328.49
LOCATION L0011632	VOLUME	443618.387	3771821.561	328.33
LOCATION L0011633	VOLUME	443618.257	3771812.962	328.16
LOCATION L0011634	VOLUME	443618.126	3771804.363	327.99
LOCATION L0011635	VOLUME	443617.996	3771795.764	327.82
LOCATION L0011636	VOLUME	443617.865	3771787.165	327.72
LOCATION L0011637	VOLUME	443617.734	3771778.566	327.63
LOCATION L0011638	VOLUME	443617.604	3771769.967	327.53
LOCATION L0011639	VOLUME	443617.473	3771761.368	327.43
LOCATION L0011640	VOLUME	443617.342	3771752.769	327.32
LOCATION L0011641	VOLUME	443617.212	3771744.170	327.20
LOCATION L0011642	VOLUME	443617.081	3771735.571	327.09
LOCATION L0011643	VOLUME	443616.950	3771726.972	326.99
LOCATION L0011644	VOLUME	443616.820	3771718.373	326.90
LOCATION L0011645	VOLUME	443616.689	3771709.774	326.80
LOCATION L0011646	VOLUME	443616.559	3771701.175	326.70
LOCATION L0011647	VOLUME	443616.428	3771692.576	326.58
LOCATION L0011648	VOLUME	443616.297	3771683.977	326.45
LOCATION L0011649	VOLUME	443616.167	3771675.378	326.33
LOCATION L0011650	VOLUME	443616.036	3771666.779	326.24
LOCATION L0011651	VOLUME	443615.905	3771658.180	326.17
LOCATION L0011652	VOLUME	443615.775	3771649.581	326.09
LOCATION L0011653	VOLUME	443615.644	3771640.982	326.02
LOCATION L0011654	VOLUME	443615.513	3771632.383	325.91
LOCATION L0011655	VOLUME	443615.383	3771623.784	325.79
LOCATION L0011656	VOLUME	443615.252	3771615.185	325.68
LOCATION L0011657	VOLUME	443615.122	3771606.586	325.56
LOCATION L0011658	VOLUME	443614.991	3771597.987	325.43
LOCATION L0011659	VOLUME	443614.860	3771589.388	325.31
LOCATION L0011660	VOLUME	443614.730	3771580.789	325.18
LOCATION L0011661	VOLUME	443614.599	3771572.190	325.12
LOCATION L0011662	VOLUME	443614.468	3771563.591	325.06
LOCATION L0011663	VOLUME	443614.338	3771554.992	325.00
LOCATION L0011664	VOLUME	443614.207	3771546.393	324.93
LOCATION L0011665	VOLUME	443614.076	3771537.794	324.81
LOCATION L0011666	VOLUME	443613.946	3771529.195	324.69
LOCATION L0011667	VOLUME	443613.815	3771520.596	324.58
LOCATION L0011668	VOLUME	443613.685	3771511.997	324.45
LOCATION L0011669	VOLUME	443613.554	3771503.398	324.32
LOCATION L0011670	VOLUME	443613.423	3771494.799	324.19
LOCATION L0011671	VOLUME	443613.293	3771486.200	324.06
LOCATION L0011672	VOLUME	443613.162	3771477.601	323.97
LOCATION L0011673	VOLUME	443613.031	3771469.002	323.88

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LOCATION L0011674	VOLUME	443612.901	3771460.403	323.78
LOCATION L0011675	VOLUME	443612.770	3771451.804	323.67
LOCATION L0011676	VOLUME	443612.639	3771443.205	323.54
LOCATION L0011677	VOLUME	443612.509	3771434.606	323.41
LOCATION L0011678	VOLUME	443612.378	3771426.007	323.28
LOCATION L0011679	VOLUME	443612.248	3771417.408	323.18
LOCATION L0011680	VOLUME	443612.117	3771408.809	323.08
LOCATION L0011681	VOLUME	443611.986	3771400.210	322.99
LOCATION L0011682	VOLUME	443611.856	3771391.611	322.89
LOCATION L0011683	VOLUME	443611.725	3771383.012	322.78
LOCATION L0011684	VOLUME	443611.594	3771374.413	322.68

\*\* End of LINE VOLUME Source ID = SLINE1

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE2

\*\* DESCRSRC 8th Street

\*\* PREFIX

\*\* Length of Side = 8.60

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.0000255

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 2

\*\* 443613.043, 3772539.421, 340.04, 3.11, 4.00

\*\* 442502.114, 3772539.723, 351.82, 3.11, 4.00

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LOCATION L0011685	VOLUME	443608.743	3772539.422	340.25
LOCATION L0011686	VOLUME	443600.143	3772539.425	340.27
LOCATION L0011687	VOLUME	443591.543	3772539.427	340.29
LOCATION L0011688	VOLUME	443582.943	3772539.429	340.35
LOCATION L0011689	VOLUME	443574.343	3772539.432	340.42
LOCATION L0011690	VOLUME	443565.743	3772539.434	340.50
LOCATION L0011691	VOLUME	443557.143	3772539.436	340.56
LOCATION L0011692	VOLUME	443548.543	3772539.439	340.60
LOCATION L0011693	VOLUME	443539.943	3772539.441	340.64
LOCATION L0011694	VOLUME	443531.343	3772539.443	340.70
LOCATION L0011695	VOLUME	443522.743	3772539.446	340.77
LOCATION L0011696	VOLUME	443514.143	3772539.448	340.85
LOCATION L0011697	VOLUME	443505.543	3772539.450	340.94
LOCATION L0011698	VOLUME	443496.943	3772539.453	341.03
LOCATION L0011699	VOLUME	443488.343	3772539.455	341.13
LOCATION L0011700	VOLUME	443479.743	3772539.457	341.25
LOCATION L0011701	VOLUME	443471.143	3772539.460	341.38
LOCATION L0011702	VOLUME	443462.543	3772539.462	341.51
LOCATION L0011703	VOLUME	443453.943	3772539.464	341.61
LOCATION L0011704	VOLUME	443445.343	3772539.467	341.71
LOCATION L0011705	VOLUME	443436.743	3772539.469	341.80
LOCATION L0011706	VOLUME	443428.143	3772539.471	341.88

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LOCATION L0011707	VOLUME	443419.543	3772539.474	341.95
LOCATION L0011708	VOLUME	443410.943	3772539.476	342.02
LOCATION L0011709	VOLUME	443402.343	3772539.478	342.13
LOCATION L0011710	VOLUME	443393.743	3772539.481	342.26
LOCATION L0011711	VOLUME	443385.143	3772539.483	342.39
LOCATION L0011712	VOLUME	443376.543	3772539.485	342.48
LOCATION L0011713	VOLUME	443367.943	3772539.488	342.55
LOCATION L0011714	VOLUME	443359.343	3772539.490	342.61
LOCATION L0011715	VOLUME	443350.743	3772539.492	342.70
LOCATION L0011716	VOLUME	443342.143	3772539.495	342.79
LOCATION L0011717	VOLUME	443333.543	3772539.497	342.88
LOCATION L0011718	VOLUME	443324.943	3772539.500	342.96
LOCATION L0011719	VOLUME	443316.343	3772539.502	343.04
LOCATION L0011720	VOLUME	443307.743	3772539.504	343.12
LOCATION L0011721	VOLUME	443299.143	3772539.507	343.16
LOCATION L0011722	VOLUME	443290.543	3772539.509	343.18
LOCATION L0011723	VOLUME	443281.943	3772539.511	343.21
LOCATION L0011724	VOLUME	443273.343	3772539.514	343.28
LOCATION L0011725	VOLUME	443264.743	3772539.516	343.36
LOCATION L0011726	VOLUME	443256.143	3772539.518	343.44
LOCATION L0011727	VOLUME	443247.543	3772539.521	343.52
LOCATION L0011728	VOLUME	443238.943	3772539.523	343.61
LOCATION L0011729	VOLUME	443230.343	3772539.525	343.69
LOCATION L0011730	VOLUME	443221.743	3772539.528	343.76
LOCATION L0011731	VOLUME	443213.143	3772539.530	343.84
LOCATION L0011732	VOLUME	443204.543	3772539.532	343.91
LOCATION L0011733	VOLUME	443195.943	3772539.535	343.99
LOCATION L0011734	VOLUME	443187.343	3772539.537	344.06
LOCATION L0011735	VOLUME	443178.743	3772539.539	344.14
LOCATION L0011736	VOLUME	443170.143	3772539.542	344.26
LOCATION L0011737	VOLUME	443161.543	3772539.544	344.40
LOCATION L0011738	VOLUME	443152.943	3772539.546	344.54
LOCATION L0011739	VOLUME	443144.343	3772539.549	344.66
LOCATION L0011740	VOLUME	443135.743	3772539.551	344.79
LOCATION L0011741	VOLUME	443127.143	3772539.553	344.91
LOCATION L0011742	VOLUME	443118.543	3772539.556	344.98
LOCATION L0011743	VOLUME	443109.943	3772539.558	345.03
LOCATION L0011744	VOLUME	443101.343	3772539.560	345.09
LOCATION L0011745	VOLUME	443092.743	3772539.563	345.19
LOCATION L0011746	VOLUME	443084.143	3772539.565	345.30
LOCATION L0011747	VOLUME	443075.543	3772539.567	345.40
LOCATION L0011748	VOLUME	443066.943	3772539.570	345.49
LOCATION L0011749	VOLUME	443058.343	3772539.572	345.58
LOCATION L0011750	VOLUME	443049.743	3772539.574	345.67
LOCATION L0011751	VOLUME	443041.143	3772539.577	345.73
LOCATION L0011752	VOLUME	443032.543	3772539.579	345.78
LOCATION L0011753	VOLUME	443023.943	3772539.581	345.84
LOCATION L0011754	VOLUME	443015.343	3772539.584	345.95



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LOCATION L0011755	VOLUME	443006.743	3772539.586	346.07
LOCATION L0011756	VOLUME	442998.143	3772539.588	346.19
LOCATION L0011757	VOLUME	442989.543	3772539.591	346.34
LOCATION L0011758	VOLUME	442980.943	3772539.593	346.48
LOCATION L0011759	VOLUME	442972.343	3772539.595	346.63
LOCATION L0011760	VOLUME	442963.743	3772539.598	346.73
LOCATION L0011761	VOLUME	442955.143	3772539.600	346.83
LOCATION L0011762	VOLUME	442946.543	3772539.602	346.93
LOCATION L0011763	VOLUME	442937.943	3772539.605	347.04
LOCATION L0011764	VOLUME	442929.343	3772539.607	347.15
LOCATION L0011765	VOLUME	442920.743	3772539.609	347.26
LOCATION L0011766	VOLUME	442912.143	3772539.612	347.38
LOCATION L0011767	VOLUME	442903.543	3772539.614	347.51
LOCATION L0011768	VOLUME	442894.943	3772539.616	347.63
LOCATION L0011769	VOLUME	442886.343	3772539.619	347.70
LOCATION L0011770	VOLUME	442877.743	3772539.621	347.76
LOCATION L0011771	VOLUME	442869.143	3772539.623	347.83
LOCATION L0011772	VOLUME	442860.543	3772539.626	347.93
LOCATION L0011773	VOLUME	442851.943	3772539.628	348.02
LOCATION L0011774	VOLUME	442843.343	3772539.630	348.12
LOCATION L0011775	VOLUME	442834.743	3772539.633	348.19
LOCATION L0011776	VOLUME	442826.143	3772539.635	348.27
LOCATION L0011777	VOLUME	442817.543	3772539.637	348.35
LOCATION L0011778	VOLUME	442808.943	3772539.640	348.46
LOCATION L0011779	VOLUME	442800.343	3772539.642	348.57
LOCATION L0011780	VOLUME	442791.743	3772539.644	348.68
LOCATION L0011781	VOLUME	442783.143	3772539.647	348.76
LOCATION L0011782	VOLUME	442774.543	3772539.649	348.85
LOCATION L0011783	VOLUME	442765.943	3772539.651	348.93
LOCATION L0011784	VOLUME	442757.343	3772539.654	349.03
LOCATION L0011785	VOLUME	442748.743	3772539.656	349.12
LOCATION L0011786	VOLUME	442740.143	3772539.658	349.22
LOCATION L0011787	VOLUME	442731.543	3772539.661	349.33
LOCATION L0011788	VOLUME	442722.943	3772539.663	349.44
LOCATION L0011789	VOLUME	442714.343	3772539.665	349.54
LOCATION L0011790	VOLUME	442705.743	3772539.668	349.64
LOCATION L0011791	VOLUME	442697.143	3772539.670	349.73
LOCATION L0011792	VOLUME	442688.543	3772539.672	349.83
LOCATION L0011793	VOLUME	442679.943	3772539.675	349.91
LOCATION L0011794	VOLUME	442671.343	3772539.677	349.99
LOCATION L0011795	VOLUME	442662.743	3772539.679	350.07
LOCATION L0011796	VOLUME	442654.143	3772539.682	350.15
LOCATION L0011797	VOLUME	442645.543	3772539.684	350.22
LOCATION L0011798	VOLUME	442636.943	3772539.686	350.30
LOCATION L0011799	VOLUME	442628.343	3772539.689	350.39
LOCATION L0011800	VOLUME	442619.743	3772539.691	350.49
LOCATION L0011801	VOLUME	442611.143	3772539.693	350.59
LOCATION L0011802	VOLUME	442602.543	3772539.696	350.70

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LOCATION L0011803	VOLUME	442593.943	3772539.698	350.81
LOCATION L0011804	VOLUME	442585.343	3772539.700	350.92
LOCATION L0011805	VOLUME	442576.743	3772539.703	351.01
LOCATION L0011806	VOLUME	442568.143	3772539.705	351.11
LOCATION L0011807	VOLUME	442559.543	3772539.707	351.20
LOCATION L0011808	VOLUME	442550.943	3772539.710	351.30
LOCATION L0011809	VOLUME	442542.343	3772539.712	351.39
LOCATION L0011810	VOLUME	442533.743	3772539.714	351.49
LOCATION L0011811	VOLUME	442525.143	3772539.717	351.60
LOCATION L0011812	VOLUME	442516.543	3772539.719	351.71
LOCATION L0011813	VOLUME	442507.943	3772539.721	351.82

\*\* End of LINE VOLUME Source ID = SLINE2

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE4

\*\* DESCRSRC Off-Site 9th Avenue

\*\* PREFIX

\*\* Length of Side = 8.60

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.0000415

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 2

\*\* 443621.372, 3772944.176, 347.16, 3.11, 4.00

\*\* 442489.477, 3772948.929, 360.71, 3.11, 4.00

\*\*

LOCATION L0011814	VOLUME	443617.072	3772944.194	347.46
LOCATION L0011815	VOLUME	443608.472	3772944.230	347.67
LOCATION L0011816	VOLUME	443599.872	3772944.266	347.90
LOCATION L0011817	VOLUME	443591.272	3772944.302	348.14
LOCATION L0011818	VOLUME	443582.672	3772944.339	348.24
LOCATION L0011819	VOLUME	443574.072	3772944.375	348.30
LOCATION L0011820	VOLUME	443565.472	3772944.411	348.37
LOCATION L0011821	VOLUME	443556.872	3772944.447	348.33
LOCATION L0011822	VOLUME	443548.272	3772944.483	348.27
LOCATION L0011823	VOLUME	443539.672	3772944.519	348.21
LOCATION L0011824	VOLUME	443531.072	3772944.555	347.68
LOCATION L0011825	VOLUME	443522.472	3772944.591	347.08
LOCATION L0011826	VOLUME	443513.872	3772944.627	346.49
LOCATION L0011827	VOLUME	443505.273	3772944.663	346.87
LOCATION L0011828	VOLUME	443496.673	3772944.700	347.38
LOCATION L0011829	VOLUME	443488.073	3772944.736	347.88
LOCATION L0011830	VOLUME	443479.473	3772944.772	347.99
LOCATION L0011831	VOLUME	443470.873	3772944.808	348.05
LOCATION L0011832	VOLUME	443462.273	3772944.844	348.12
LOCATION L0011833	VOLUME	443453.673	3772944.880	348.24
LOCATION L0011834	VOLUME	443445.073	3772944.916	348.37
LOCATION L0011835	VOLUME	443436.473	3772944.952	348.50

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LOCATION L0011836	VOLUME	443427.873	3772944.988	348.62
LOCATION L0011837	VOLUME	443419.273	3772945.025	348.74
LOCATION L0011838	VOLUME	443410.673	3772945.061	348.85
LOCATION L0011839	VOLUME	443402.073	3772945.097	348.98
LOCATION L0011840	VOLUME	443393.474	3772945.133	349.11
LOCATION L0011841	VOLUME	443384.874	3772945.169	349.23
LOCATION L0011842	VOLUME	443376.274	3772945.205	349.34
LOCATION L0011843	VOLUME	443367.674	3772945.241	349.45
LOCATION L0011844	VOLUME	443359.074	3772945.277	349.55
LOCATION L0011845	VOLUME	443350.474	3772945.313	349.69
LOCATION L0011846	VOLUME	443341.874	3772945.350	349.83
LOCATION L0011847	VOLUME	443333.274	3772945.386	349.97
LOCATION L0011848	VOLUME	443324.674	3772945.422	350.09
LOCATION L0011849	VOLUME	443316.074	3772945.458	350.21
LOCATION L0011850	VOLUME	443307.474	3772945.494	350.33
LOCATION L0011851	VOLUME	443298.874	3772945.530	350.51
LOCATION L0011852	VOLUME	443290.274	3772945.566	350.69
LOCATION L0011853	VOLUME	443281.675	3772945.602	350.87
LOCATION L0011854	VOLUME	443273.075	3772945.638	351.07
LOCATION L0011855	VOLUME	443264.475	3772945.675	351.27
LOCATION L0011856	VOLUME	443255.875	3772945.711	351.45
LOCATION L0011857	VOLUME	443247.275	3772945.747	351.53
LOCATION L0011858	VOLUME	443238.675	3772945.783	351.61
LOCATION L0011859	VOLUME	443230.075	3772945.819	351.69
LOCATION L0011860	VOLUME	443221.475	3772945.855	351.77
LOCATION L0011861	VOLUME	443212.875	3772945.891	351.86
LOCATION L0011862	VOLUME	443204.275	3772945.927	351.95
LOCATION L0011863	VOLUME	443195.675	3772945.963	352.12
LOCATION L0011864	VOLUME	443187.075	3772946.000	352.29
LOCATION L0011865	VOLUME	443178.475	3772946.036	352.45
LOCATION L0011866	VOLUME	443169.876	3772946.072	352.56
LOCATION L0011867	VOLUME	443161.276	3772946.108	352.68
LOCATION L0011868	VOLUME	443152.676	3772946.144	352.80
LOCATION L0011869	VOLUME	443144.076	3772946.180	352.89
LOCATION L0011870	VOLUME	443135.476	3772946.216	352.99
LOCATION L0011871	VOLUME	443126.876	3772946.252	353.10
LOCATION L0011872	VOLUME	443118.276	3772946.288	353.24
LOCATION L0011873	VOLUME	443109.676	3772946.325	353.39
LOCATION L0011874	VOLUME	443101.076	3772946.361	353.54
LOCATION L0011875	VOLUME	443092.476	3772946.397	353.68
LOCATION L0011876	VOLUME	443083.876	3772946.433	353.83
LOCATION L0011877	VOLUME	443075.276	3772946.469	353.97
LOCATION L0011878	VOLUME	443066.676	3772946.505	354.12
LOCATION L0011879	VOLUME	443058.076	3772946.541	354.26
LOCATION L0011880	VOLUME	443049.477	3772946.577	354.40
LOCATION L0011881	VOLUME	443040.877	3772946.613	354.50
LOCATION L0011882	VOLUME	443032.277	3772946.650	354.61
LOCATION L0011883	VOLUME	443023.677	3772946.686	354.75

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LOCATION L0011884	VOLUME	443015.077	3772946.722	354.96
LOCATION L0011885	VOLUME	443006.477	3772946.758	355.17
LOCATION L0011886	VOLUME	442997.877	3772946.794	355.36
LOCATION L0011887	VOLUME	442989.277	3772946.830	355.48
LOCATION L0011888	VOLUME	442980.677	3772946.866	355.60
LOCATION L0011889	VOLUME	442972.077	3772946.902	355.71
LOCATION L0011890	VOLUME	442963.477	3772946.938	355.80
LOCATION L0011891	VOLUME	442954.877	3772946.975	355.89
LOCATION L0011892	VOLUME	442946.277	3772947.011	355.98
LOCATION L0011893	VOLUME	442937.678	3772947.047	356.06
LOCATION L0011894	VOLUME	442929.078	3772947.083	356.15
LOCATION L0011895	VOLUME	442920.478	3772947.119	356.24
LOCATION L0011896	VOLUME	442911.878	3772947.155	356.34
LOCATION L0011897	VOLUME	442903.278	3772947.191	356.44
LOCATION L0011898	VOLUME	442894.678	3772947.227	356.54
LOCATION L0011899	VOLUME	442886.078	3772947.263	356.65
LOCATION L0011900	VOLUME	442877.478	3772947.300	356.76
LOCATION L0011901	VOLUME	442868.878	3772947.336	356.85
LOCATION L0011902	VOLUME	442860.278	3772947.372	356.93
LOCATION L0011903	VOLUME	442851.678	3772947.408	357.02
LOCATION L0011904	VOLUME	442843.078	3772947.444	357.09
LOCATION L0011905	VOLUME	442834.478	3772947.480	357.16
LOCATION L0011906	VOLUME	442825.879	3772947.516	357.22
LOCATION L0011907	VOLUME	442817.279	3772947.552	357.32
LOCATION L0011908	VOLUME	442808.679	3772947.588	357.46
LOCATION L0011909	VOLUME	442800.079	3772947.624	357.61
LOCATION L0011910	VOLUME	442791.479	3772947.661	357.74
LOCATION L0011911	VOLUME	442782.879	3772947.697	357.86
LOCATION L0011912	VOLUME	442774.279	3772947.733	357.99
LOCATION L0011913	VOLUME	442765.679	3772947.769	358.12
LOCATION L0011914	VOLUME	442757.079	3772947.805	358.26
LOCATION L0011915	VOLUME	442748.479	3772947.841	358.40
LOCATION L0011916	VOLUME	442739.879	3772947.877	358.53
LOCATION L0011917	VOLUME	442731.279	3772947.913	358.66
LOCATION L0011918	VOLUME	442722.679	3772947.949	358.79
LOCATION L0011919	VOLUME	442714.080	3772947.986	358.87
LOCATION L0011920	VOLUME	442705.480	3772948.022	358.92
LOCATION L0011921	VOLUME	442696.880	3772948.058	358.96
LOCATION L0011922	VOLUME	442688.280	3772948.094	359.03
LOCATION L0011923	VOLUME	442679.680	3772948.130	359.10
LOCATION L0011924	VOLUME	442671.080	3772948.166	359.17
LOCATION L0011925	VOLUME	442662.480	3772948.202	359.27
LOCATION L0011926	VOLUME	442653.880	3772948.238	359.39
LOCATION L0011927	VOLUME	442645.280	3772948.274	359.51
LOCATION L0011928	VOLUME	442636.680	3772948.311	359.63
LOCATION L0011929	VOLUME	442628.080	3772948.347	359.75
LOCATION L0011930	VOLUME	442619.480	3772948.383	359.86
LOCATION L0011931	VOLUME	442610.880	3772948.419	359.93

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LOCATION L0011932	VOLUME	442602.281	3772948.455	359.96
LOCATION L0011933	VOLUME	442593.681	3772948.491	359.99
LOCATION L0011934	VOLUME	442585.081	3772948.527	360.02
LOCATION L0011935	VOLUME	442576.481	3772948.563	360.06
LOCATION L0011936	VOLUME	442567.881	3772948.599	360.09
LOCATION L0011937	VOLUME	442559.281	3772948.636	360.20
LOCATION L0011938	VOLUME	442550.681	3772948.672	360.33
LOCATION L0011939	VOLUME	442542.081	3772948.708	360.47
LOCATION L0011940	VOLUME	442533.481	3772948.744	360.59
LOCATION L0011941	VOLUME	442524.881	3772948.780	360.69
LOCATION L0011942	VOLUME	442516.281	3772948.816	360.80
LOCATION L0011943	VOLUME	442507.681	3772948.852	360.85
LOCATION L0011944	VOLUME	442499.081	3772948.888	360.87
LOCATION L0011945	VOLUME	442490.482	3772948.924	360.90

\*\* End of LINE VOLUME Source ID = SLINE4

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE5

\*\* DESCRSRC On-Site Truck

\*\* PREFIX

\*\* Length of Side = 8.60

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.000171

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 22

** 442832.284,	3772802.858,	353.79,	3.11,	4.00
** 442869.110,	3772802.858,	353.19,	3.11,	4.00
** 442870.133,	3772828.347,	353.79,	3.11,	4.00
** 443018.126,	3772824.227,	351.31,	3.11,	4.00
** 443019.062,	3772661.803,	348.41,	3.11,	4.00
** 443059.979,	3772662.407,	347.71,	3.11,	4.00
** 443055.865,	3772690.644,	348.03,	3.11,	4.00
** 443057.243,	3772725.978,	348.60,	3.11,	4.00
** 443057.329,	3772720.579,	348.43,	3.11,	4.00
** 443217.182,	3772719.944,	347.75,	3.11,	4.00
** 443216.303,	3772659.179,	346.86,	3.11,	4.00
** 443242.665,	3772660.177,	346.19,	3.11,	4.00
** 443241.457,	3772932.771,	351.39,	3.11,	4.00
** 443251.412,	3772932.467,	351.20,	3.11,	4.00
** 443249.641,	3772878.555,	350.04,	3.11,	4.00
** 443495.145,	3772878.555,	346.84,	3.11,	4.00
** 443582.600,	3772760.164,	343.70,	3.11,	4.00
** 443587.687,	3772635.423,	342.35,	3.11,	4.00
** 443266.402,	3772632.348,	345.37,	3.11,	4.00
** 442855.812,	3772631.325,	350.05,	3.11,	4.00
** 442857.857,	3772666.808,	350.56,	3.11,	4.00
** 442832.284,	3772664.762,	350.84,	3.11,	4.00

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LOCATION L0011946      VOLUME  442836.584 3772802.858 353.70
LOCATION L0011947      VOLUME  442845.184 3772802.858 353.58
LOCATION L0011948      VOLUME  442853.784 3772802.858 353.41
LOCATION L0011949      VOLUME  442862.384 3772802.858 353.23
LOCATION L0011950      VOLUME  442869.185 3772804.731 353.15
LOCATION L0011951      VOLUME  442869.530 3772813.324 353.38
LOCATION L0011952      VOLUME  442869.875 3772821.917 353.61
LOCATION L0011953      VOLUME  442872.297 3772828.287 353.75
LOCATION L0011954      VOLUME  442880.894 3772828.047 353.61
LOCATION L0011955      VOLUME  442889.490 3772827.808 353.48
LOCATION L0011956      VOLUME  442898.087 3772827.569 353.35
LOCATION L0011957      VOLUME  442906.684 3772827.329 353.27
LOCATION L0011958      VOLUME  442915.280 3772827.090 353.20
LOCATION L0011959      VOLUME  442923.877 3772826.851 353.13
LOCATION L0011960      VOLUME  442932.474 3772826.611 353.08
LOCATION L0011961      VOLUME  442941.070 3772826.372 353.04
LOCATION L0011962      VOLUME  442949.667 3772826.133 352.98
LOCATION L0011963      VOLUME  442958.264 3772825.893 352.91
LOCATION L0011964      VOLUME  442966.860 3772825.654 352.83
LOCATION L0011965      VOLUME  442975.457 3772825.415 352.74
LOCATION L0011966      VOLUME  442984.054 3772825.175 352.63
LOCATION L0011967      VOLUME  442992.650 3772824.936 352.52
LOCATION L0011968      VOLUME  443001.247 3772824.697 352.36
LOCATION L0011969      VOLUME  443009.844 3772824.457 352.00
LOCATION L0011970      VOLUME  443018.128 3772823.913 351.65
LOCATION L0011971      VOLUME  443018.178 3772815.313 351.46
LOCATION L0011972      VOLUME  443018.227 3772806.713 351.29
LOCATION L0011973      VOLUME  443018.277 3772798.113 351.12
LOCATION L0011974      VOLUME  443018.326 3772789.513 350.96
LOCATION L0011975      VOLUME  443018.376 3772780.913 350.79
LOCATION L0011976      VOLUME  443018.425 3772772.313 350.63
LOCATION L0011977      VOLUME  443018.475 3772763.714 350.46
LOCATION L0011978      VOLUME  443018.524 3772755.114 350.30
LOCATION L0011979      VOLUME  443018.574 3772746.514 349.99
LOCATION L0011980      VOLUME  443018.623 3772737.914 349.66
LOCATION L0011981      VOLUME  443018.673 3772729.314 349.32
LOCATION L0011982      VOLUME  443018.722 3772720.714 349.04
LOCATION L0011983      VOLUME  443018.772 3772712.114 348.88
LOCATION L0011984      VOLUME  443018.822 3772703.515 348.73
LOCATION L0011985      VOLUME  443018.871 3772694.915 348.58
LOCATION L0011986      VOLUME  443018.921 3772686.315 348.51
LOCATION L0011987      VOLUME  443018.970 3772677.715 348.49
LOCATION L0011988      VOLUME  443019.020 3772669.115 348.47
LOCATION L0011989      VOLUME  443020.350 3772661.822 348.45
LOCATION L0011990      VOLUME  443028.949 3772661.949 348.33
LOCATION L0011991      VOLUME  443037.548 3772662.076 348.18
LOCATION L0011992      VOLUME  443046.147 3772662.203 348.02

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LOCATION L0011993	VOLUME	443054.746	3772662.330	347.80
LOCATION L0011994	VOLUME	443059.494	3772665.738	347.67
LOCATION L0011995	VOLUME	443058.254	3772674.249	347.76
LOCATION L0011996	VOLUME	443057.014	3772682.759	347.84
LOCATION L0011997	VOLUME	443055.889	3772691.275	347.92
LOCATION L0011998	VOLUME	443056.225	3772699.868	348.05
LOCATION L0011999	VOLUME	443056.560	3772708.462	348.18
LOCATION L0012000	VOLUME	443056.895	3772717.055	348.32
LOCATION L0012001	VOLUME	443057.230	3772725.649	348.53
LOCATION L0012002	VOLUME	443060.199	3772720.568	348.33
LOCATION L0012003	VOLUME	443068.799	3772720.534	348.20
LOCATION L0012004	VOLUME	443077.399	3772720.499	348.08
LOCATION L0012005	VOLUME	443085.999	3772720.465	348.04
LOCATION L0012006	VOLUME	443094.599	3772720.431	347.99
LOCATION L0012007	VOLUME	443103.199	3772720.397	347.96
LOCATION L0012008	VOLUME	443111.799	3772720.363	347.98
LOCATION L0012009	VOLUME	443120.399	3772720.329	348.00
LOCATION L0012010	VOLUME	443128.999	3772720.294	348.03
LOCATION L0012011	VOLUME	443137.599	3772720.260	348.05
LOCATION L0012012	VOLUME	443146.199	3772720.226	348.07
LOCATION L0012013	VOLUME	443154.799	3772720.192	348.09
LOCATION L0012014	VOLUME	443163.399	3772720.158	348.08
LOCATION L0012015	VOLUME	443171.999	3772720.124	348.07
LOCATION L0012016	VOLUME	443180.599	3772720.089	348.06
LOCATION L0012017	VOLUME	443189.198	3772720.055	348.03
LOCATION L0012018	VOLUME	443197.798	3772720.021	348.00
LOCATION L0012019	VOLUME	443206.398	3772719.987	347.94
LOCATION L0012020	VOLUME	443214.998	3772719.953	347.77
LOCATION L0012021	VOLUME	443217.089	3772713.529	347.61
LOCATION L0012022	VOLUME	443216.965	3772704.930	347.44
LOCATION L0012023	VOLUME	443216.840	3772696.330	347.28
LOCATION L0012024	VOLUME	443216.716	3772687.731	347.14
LOCATION L0012025	VOLUME	443216.592	3772679.132	347.05
LOCATION L0012026	VOLUME	443216.467	3772670.533	346.95
LOCATION L0012027	VOLUME	443216.343	3772661.934	346.86
LOCATION L0012028	VOLUME	443222.143	3772659.400	346.68
LOCATION L0012029	VOLUME	443230.737	3772659.725	346.47
LOCATION L0012030	VOLUME	443239.331	3772660.050	346.27
LOCATION L0012031	VOLUME	443242.642	3772665.440	346.26
LOCATION L0012032	VOLUME	443242.603	3772674.040	346.39
LOCATION L0012033	VOLUME	443242.565	3772682.640	346.52
LOCATION L0012034	VOLUME	443242.527	3772691.240	346.65
LOCATION L0012035	VOLUME	443242.489	3772699.840	346.82
LOCATION L0012036	VOLUME	443242.451	3772708.440	346.99
LOCATION L0012037	VOLUME	443242.413	3772717.040	347.16
LOCATION L0012038	VOLUME	443242.375	3772725.640	347.32
LOCATION L0012039	VOLUME	443242.337	3772734.240	347.48
LOCATION L0012040	VOLUME	443242.299	3772742.840	347.64

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LOCATION L0012041	VOLUME	443242.261	3772751.439	347.79
LOCATION L0012042	VOLUME	443242.222	3772760.039	347.94
LOCATION L0012043	VOLUME	443242.184	3772768.639	348.09
LOCATION L0012044	VOLUME	443242.146	3772777.239	348.24
LOCATION L0012045	VOLUME	443242.108	3772785.839	348.39
LOCATION L0012046	VOLUME	443242.070	3772794.439	348.54
LOCATION L0012047	VOLUME	443242.032	3772803.039	348.70
LOCATION L0012048	VOLUME	443241.994	3772811.639	348.85
LOCATION L0012049	VOLUME	443241.956	3772820.239	349.03
LOCATION L0012050	VOLUME	443241.918	3772828.839	349.21
LOCATION L0012051	VOLUME	443241.880	3772837.439	349.40
LOCATION L0012052	VOLUME	443241.841	3772846.039	349.58
LOCATION L0012053	VOLUME	443241.803	3772854.638	349.77
LOCATION L0012054	VOLUME	443241.765	3772863.238	349.97
LOCATION L0012055	VOLUME	443241.727	3772871.838	350.16
LOCATION L0012056	VOLUME	443241.689	3772880.438	350.33
LOCATION L0012057	VOLUME	443241.651	3772889.038	350.47
LOCATION L0012058	VOLUME	443241.613	3772897.638	350.62
LOCATION L0012059	VOLUME	443241.575	3772906.238	350.77
LOCATION L0012060	VOLUME	443241.537	3772914.838	350.94
LOCATION L0012061	VOLUME	443241.499	3772923.438	351.12
LOCATION L0012062	VOLUME	443241.461	3772932.038	351.29
LOCATION L0012063	VOLUME	443249.321	3772932.531	351.21
LOCATION L0012064	VOLUME	443251.198	3772925.963	351.04
LOCATION L0012065	VOLUME	443250.916	3772917.367	350.86
LOCATION L0012066	VOLUME	443250.633	3772908.772	350.67
LOCATION L0012067	VOLUME	443250.351	3772900.177	350.50
LOCATION L0012068	VOLUME	443250.069	3772891.581	350.35
LOCATION L0012069	VOLUME	443249.786	3772882.986	350.19
LOCATION L0012070	VOLUME	443253.808	3772878.555	350.02
LOCATION L0012071	VOLUME	443262.408	3772878.555	349.89
LOCATION L0012072	VOLUME	443271.008	3772878.555	349.78
LOCATION L0012073	VOLUME	443279.608	3772878.555	349.66
LOCATION L0012074	VOLUME	443288.208	3772878.555	349.55
LOCATION L0012075	VOLUME	443296.808	3772878.555	349.44
LOCATION L0012076	VOLUME	443305.408	3772878.555	349.33
LOCATION L0012077	VOLUME	443314.008	3772878.555	349.21
LOCATION L0012078	VOLUME	443322.608	3772878.555	349.08
LOCATION L0012079	VOLUME	443331.208	3772878.555	348.96
LOCATION L0012080	VOLUME	443339.808	3772878.555	348.80
LOCATION L0012081	VOLUME	443348.408	3772878.555	348.63
LOCATION L0012082	VOLUME	443357.008	3772878.555	348.47
LOCATION L0012083	VOLUME	443365.608	3772878.555	348.29
LOCATION L0012084	VOLUME	443374.208	3772878.555	348.12
LOCATION L0012085	VOLUME	443382.808	3772878.555	347.94
LOCATION L0012086	VOLUME	443391.408	3772878.555	347.82
LOCATION L0012087	VOLUME	443400.008	3772878.555	347.71
LOCATION L0012088	VOLUME	443408.608	3772878.555	347.59



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LOCATION L0012089	VOLUME	443417.208	3772878.555	347.55
LOCATION L0012090	VOLUME	443425.808	3772878.555	347.51
LOCATION L0012091	VOLUME	443434.408	3772878.555	347.48
LOCATION L0012092	VOLUME	443443.008	3772878.555	347.39
LOCATION L0012093	VOLUME	443451.608	3772878.555	347.30
LOCATION L0012094	VOLUME	443460.208	3772878.555	347.20
LOCATION L0012095	VOLUME	443468.808	3772878.555	347.09
LOCATION L0012096	VOLUME	443477.408	3772878.555	346.98
LOCATION L0012097	VOLUME	443486.008	3772878.555	346.87
LOCATION L0012098	VOLUME	443494.608	3772878.555	346.67
LOCATION L0012099	VOLUME	443499.935	3772872.070	346.47
LOCATION L0012100	VOLUME	443505.045	3772865.152	346.34
LOCATION L0012101	VOLUME	443510.155	3772858.235	346.23
LOCATION L0012102	VOLUME	443515.265	3772851.318	346.02
LOCATION L0012103	VOLUME	443520.375	3772844.400	345.79
LOCATION L0012104	VOLUME	443525.485	3772837.483	345.56
LOCATION L0012105	VOLUME	443530.594	3772830.566	345.38
LOCATION L0012106	VOLUME	443535.704	3772823.648	345.26
LOCATION L0012107	VOLUME	443540.814	3772816.731	345.10
LOCATION L0012108	VOLUME	443545.924	3772809.814	344.87
LOCATION L0012109	VOLUME	443551.034	3772802.896	344.63
LOCATION L0012110	VOLUME	443556.144	3772795.979	344.47
LOCATION L0012111	VOLUME	443561.253	3772789.062	344.39
LOCATION L0012112	VOLUME	443566.363	3772782.144	344.30
LOCATION L0012113	VOLUME	443571.473	3772775.227	344.03
LOCATION L0012114	VOLUME	443576.583	3772768.310	343.83
LOCATION L0012115	VOLUME	443581.693	3772761.392	343.72
LOCATION L0012116	VOLUME	443582.888	3772753.097	343.77
LOCATION L0012117	VOLUME	443583.239	3772744.504	343.70
LOCATION L0012118	VOLUME	443583.589	3772735.911	343.55
LOCATION L0012119	VOLUME	443583.940	3772727.318	343.40
LOCATION L0012120	VOLUME	443584.290	3772718.726	343.26
LOCATION L0012121	VOLUME	443584.640	3772710.133	343.14
LOCATION L0012122	VOLUME	443584.991	3772701.540	343.03
LOCATION L0012123	VOLUME	443585.341	3772692.947	342.92
LOCATION L0012124	VOLUME	443585.692	3772684.354	342.84
LOCATION L0012125	VOLUME	443586.042	3772675.761	342.79
LOCATION L0012126	VOLUME	443586.392	3772667.168	342.74
LOCATION L0012127	VOLUME	443586.743	3772658.576	342.69
LOCATION L0012128	VOLUME	443587.093	3772649.983	342.59
LOCATION L0012129	VOLUME	443587.444	3772641.390	342.49
LOCATION L0012130	VOLUME	443585.059	3772635.398	342.43
LOCATION L0012131	VOLUME	443576.459	3772635.315	342.46
LOCATION L0012132	VOLUME	443567.860	3772635.233	342.50
LOCATION L0012133	VOLUME	443559.260	3772635.151	342.53
LOCATION L0012134	VOLUME	443550.661	3772635.069	342.55
LOCATION L0012135	VOLUME	443542.061	3772634.986	342.58
LOCATION L0012136	VOLUME	443533.461	3772634.904	342.62

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LOCATION L0012137	VOLUME	443524.862	3772634.822	342.70
LOCATION L0012138	VOLUME	443516.262	3772634.739	342.78
LOCATION L0012139	VOLUME	443507.663	3772634.657	342.86
LOCATION L0012140	VOLUME	443499.063	3772634.575	342.96
LOCATION L0012141	VOLUME	443490.463	3772634.492	343.07
LOCATION L0012142	VOLUME	443481.864	3772634.410	343.15
LOCATION L0012143	VOLUME	443473.264	3772634.328	343.21
LOCATION L0012144	VOLUME	443464.665	3772634.245	343.27
LOCATION L0012145	VOLUME	443456.065	3772634.163	343.33
LOCATION L0012146	VOLUME	443447.465	3772634.081	343.40
LOCATION L0012147	VOLUME	443438.866	3772633.999	343.47
LOCATION L0012148	VOLUME	443430.266	3772633.916	343.60
LOCATION L0012149	VOLUME	443421.667	3772633.834	343.81
LOCATION L0012150	VOLUME	443413.067	3772633.752	344.02
LOCATION L0012151	VOLUME	443404.467	3772633.669	344.17
LOCATION L0012152	VOLUME	443395.868	3772633.587	344.25
LOCATION L0012153	VOLUME	443387.268	3772633.505	344.33
LOCATION L0012154	VOLUME	443378.668	3772633.422	344.39
LOCATION L0012155	VOLUME	443370.069	3772633.340	344.43
LOCATION L0012156	VOLUME	443361.469	3772633.258	344.46
LOCATION L0012157	VOLUME	443352.870	3772633.175	344.52
LOCATION L0012158	VOLUME	443344.270	3772633.093	344.58
LOCATION L0012159	VOLUME	443335.670	3772633.011	344.65
LOCATION L0012160	VOLUME	443327.071	3772632.929	344.74
LOCATION L0012161	VOLUME	443318.471	3772632.846	344.84
LOCATION L0012162	VOLUME	443309.872	3772632.764	344.94
LOCATION L0012163	VOLUME	443301.272	3772632.682	345.03
LOCATION L0012164	VOLUME	443292.672	3772632.599	345.11
LOCATION L0012165	VOLUME	443284.073	3772632.517	345.19
LOCATION L0012166	VOLUME	443275.473	3772632.435	345.26
LOCATION L0012167	VOLUME	443266.874	3772632.352	345.32
LOCATION L0012168	VOLUME	443258.274	3772632.270	345.39
LOCATION L0012169	VOLUME	443249.674	3772632.187	345.50
LOCATION L0012170	VOLUME	443241.074	3772632.105	345.65
LOCATION L0012171	VOLUME	443232.474	3772632.023	345.79
LOCATION L0012172	VOLUME	443223.874	3772631.941	346.04
LOCATION L0012173	VOLUME	443215.274	3772631.859	346.34
LOCATION L0012174	VOLUME	443206.674	3772631.777	346.64
LOCATION L0012175	VOLUME	443198.074	3772631.695	346.89
LOCATION L0012176	VOLUME	443189.474	3772631.613	347.11
LOCATION L0012177	VOLUME	443180.874	3772631.531	347.33
LOCATION L0012178	VOLUME	443172.274	3772631.449	347.44
LOCATION L0012179	VOLUME	443163.674	3772631.367	347.48
LOCATION L0012180	VOLUME	443155.074	3772631.285	347.52
LOCATION L0012181	VOLUME	443146.474	3772631.203	347.50
LOCATION L0012182	VOLUME	443137.874	3772631.121	347.46
LOCATION L0012183	VOLUME	443129.274	3772631.039	347.42
LOCATION L0012184	VOLUME	443120.674	3772630.957	347.29

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LOCATION	VOLUME	Source ID	Value 1	Value 2	Value 3
L0012185	443112.074	3772631.963	347.13		
L0012186	443103.474	3772631.942	346.97		
L0012187	443094.874	3772631.921	346.93		
L0012188	443086.274	3772631.899	346.93		
L0012189	443077.674	3772631.878	346.92		
L0012190	443069.074	3772631.856	347.10		
L0012191	443060.474	3772631.835	347.35		
L0012192	443051.874	3772631.813	347.59		
L0012193	443043.274	3772631.792	347.79		
L0012194	443034.674	3772631.771	347.96		
L0012195	443026.074	3772631.749	348.14		
L0012196	443017.474	3772631.728	348.22		
L0012197	443008.874	3772631.706	348.28		
L0012198	443000.274	3772631.685	348.33		
L0012199	442991.674	3772631.663	348.39		
L0012200	442983.074	3772631.642	348.46		
L0012201	442974.475	3772631.621	348.52		
L0012202	442965.875	3772631.599	348.63		
L0012203	442957.275	3772631.578	348.74		
L0012204	442948.675	3772631.556	348.86		
L0012205	442940.075	3772631.535	348.97		
L0012206	442931.475	3772631.513	349.08		
L0012207	442922.875	3772631.492	349.19		
L0012208	442914.275	3772631.471	349.29		
L0012209	442905.675	3772631.449	349.39		
L0012210	442897.075	3772631.428	349.49		
L0012211	442888.475	3772631.406	349.62		
L0012212	442879.875	3772631.385	349.74		
L0012213	442871.275	3772631.364	349.87		
L0012214	442862.675	3772631.342	350.00		
L0012215	442855.912	3772633.059	350.13		
L0012216	442856.407	3772641.645	350.28		
L0012217	442856.902	3772650.230	350.42		
L0012218	442857.397	3772658.816	350.57		
L0012219	442857.265	3772666.761	350.71		
L0012220	442848.692	3772666.075	350.80		
L0012221	442840.120	3772665.389	350.88		

\*\* End of LINE VOLUME Source ID = SLINE5

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE6

\*\* DESCRSRC Loading Area 4

\*\* PREFIX

\*\* Length of Side = 8.60

\*\* Configuration = Adjacent

\*\* Emission Rate = 6.23E-07

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

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```
** Nodes = 2
** 442988.793, 3772787.514, 351.38, 3.11, 4.00
** 442986.747, 3772678.060, 348.76, 3.11, 4.00
** -----
LOCATION L0012222    VOLUME  442988.713 3772783.215 351.34
LOCATION L0012223    VOLUME  442988.552 3772774.616 351.13
LOCATION L0012224    VOLUME  442988.391 3772766.018 350.92
LOCATION L0012225    VOLUME  442988.230 3772757.419 350.71
LOCATION L0012226    VOLUME  442988.070 3772748.821 350.43
LOCATION L0012227    VOLUME  442987.909 3772740.222 350.12
LOCATION L0012228    VOLUME  442987.748 3772731.624 349.81
LOCATION L0012229    VOLUME  442987.587 3772723.025 349.50
LOCATION L0012230    VOLUME  442987.427 3772714.427 349.32
LOCATION L0012231    VOLUME  442987.266 3772705.828 349.14
LOCATION L0012232    VOLUME  442987.105 3772697.230 348.96
LOCATION L0012233    VOLUME  442986.945 3772688.631 348.84
LOCATION L0012234    VOLUME  442986.784 3772680.033 348.79
** End of LINE VOLUME Source ID = SLINE6
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE7
** DESCRSRC Loading Area 3
** PREFIX
** Length of Side = 8.60
** Configuration = Adjacent
** Emission Rate = 2.89E-07
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 2
** 443083.531, 3772653.276, 347.11, 3.11, 4.00
** 443184.802, 3772655.321, 347.45, 3.11, 4.00
** -----
LOCATION L0012235    VOLUME  443087.831 3772653.362 347.08
LOCATION L0012236    VOLUME  443096.429 3772653.536 347.09
LOCATION L0012237    VOLUME  443105.027 3772653.710 347.16
LOCATION L0012238    VOLUME  443113.625 3772653.884 347.31
LOCATION L0012239    VOLUME  443122.223 3772654.057 347.46
LOCATION L0012240    VOLUME  443130.822 3772654.231 347.55
LOCATION L0012241    VOLUME  443139.420 3772654.405 347.57
LOCATION L0012242    VOLUME  443148.018 3772654.578 347.59
LOCATION L0012243    VOLUME  443156.616 3772654.752 347.58
LOCATION L0012244    VOLUME  443165.215 3772654.926 347.54
LOCATION L0012245    VOLUME  443173.813 3772655.099 347.50
LOCATION L0012246    VOLUME  443182.411 3772655.273 347.42
** End of LINE VOLUME Source ID = SLINE7
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE8
```

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\*\* DESCRSRC Loading Area 1  
\*\* PREFIX  
\*\* Length of Side = 8.60  
\*\* Configuration = Adjacent  
\*\* Emission Rate = 1.05E-06  
\*\* Vertical Dimension = 6.22  
\*\* SZINIT = 2.89  
\*\* Nodes = 2  
\*\* 443301.810, 3772854.005, 348.78, 3.11, 4.00  
\*\* 443476.732, 3772855.028, 346.65, 3.11, 4.00

\*\* -----

LOCATION	VOLUME			
L0012247	VOLUME	443306.110	3772854.030	348.86
L0012248	VOLUME	443314.710	3772854.080	348.76
L0012249	VOLUME	443323.310	3772854.131	348.65
L0012250	VOLUME	443331.910	3772854.181	348.55
L0012251	VOLUME	443340.510	3772854.231	348.40
L0012252	VOLUME	443349.109	3772854.281	348.24
L0012253	VOLUME	443357.709	3772854.332	348.09
L0012254	VOLUME	443366.309	3772854.382	347.91
L0012255	VOLUME	443374.909	3772854.432	347.73
L0012256	VOLUME	443383.509	3772854.483	347.54
L0012257	VOLUME	443392.109	3772854.533	347.41
L0012258	VOLUME	443400.709	3772854.583	347.29
L0012259	VOLUME	443409.308	3772854.634	347.17
L0012260	VOLUME	443417.908	3772854.684	347.12
L0012261	VOLUME	443426.508	3772854.734	347.08
L0012262	VOLUME	443435.108	3772854.784	347.04
L0012263	VOLUME	443443.708	3772854.835	346.99
L0012264	VOLUME	443452.308	3772854.885	346.92
L0012265	VOLUME	443460.908	3772854.935	346.86
L0012266	VOLUME	443469.507	3772854.986	346.77

\*\* End of LINE VOLUME Source ID = SLINE8  
\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources  
\*\* LINE VOLUME Source ID = SLINE9

\*\* DESCRSRC Loading Area 2  
\*\* PREFIX  
\*\* Length of Side = 8.60  
\*\* Configuration = Adjacent  
\*\* Emission Rate = 1.18E-06  
\*\* Vertical Dimension = 6.22  
\*\* SZINIT = 2.89  
\*\* Nodes = 2  
\*\* 443306.925, 3772672.896, 345.16, 3.11, 4.00  
\*\* 443506.397, 3772671.873, 342.82, 3.11, 4.00

\*\* -----

LOCATION	VOLUME	443311.225	3772672.874	345.40
L0012267	VOLUME	443319.825	3772672.830	345.32

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LOCATION	VOLUME			
L0012269	443328.425	3772672.786	345.24	
L0012270	443337.025	3772672.742	345.20	
L0012271	443345.624	3772672.697	345.19	
L0012272	443354.224	3772672.653	345.19	
L0012273	443362.824	3772672.609	345.16	
L0012274	443371.424	3772672.565	345.11	
L0012275	443380.024	3772672.521	345.06	
L0012276	443388.624	3772672.477	344.94	
L0012277	443397.224	3772672.433	344.76	
L0012278	443405.824	3772672.389	344.59	
L0012279	443414.424	3772672.345	344.25	
L0012280	443423.023	3772672.301	343.82	
L0012281	443431.623	3772672.256	343.39	
L0012282	443440.223	3772672.212	343.21	
L0012283	443448.823	3772672.168	343.14	
L0012284	443457.423	3772672.124	343.07	
L0012285	443466.023	3772672.080	343.05	
L0012286	443474.623	3772672.036	343.05	
L0012287	443483.223	3772671.992	343.05	
L0012288	443491.823	3772671.948	343.02	
L0012289	443500.422	3772671.904	342.99	

\*\* End of LINE VOLUME Source ID = SLINE9

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE10

\*\* DESCRSRC Vineyard 1

\*\* PREFIX

\*\* Length of Side = 8.60

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.0000254

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 2

\*\* 443628.415, 3772946.110, 347.00, 3.11, 4.00

\*\* 443631.568, 3772697.040, 343.40, 3.11, 4.00

\*\*

LOCATION	VOLUME			
L0011473	443628.469	3772941.811	347.26	
L0011474	443628.578	3772933.211	347.00	
L0011475	443628.687	3772924.612	346.74	
L0011476	443628.796	3772916.013	346.48	
L0011477	443628.905	3772907.413	346.22	
L0011478	443629.014	3772898.814	346.00	
L0011479	443629.123	3772890.215	345.80	
L0011480	443629.231	3772881.615	345.60	
L0011481	443629.340	3772873.016	345.40	
L0011482	443629.449	3772864.417	345.26	
L0011483	443629.558	3772855.817	345.12	
L0011484	443629.667	3772847.218	344.98	

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LOCATION	VOLUME			
L0011485	443629.776	3772838.619	344.86	
L0011486	443629.884	3772830.020	344.77	
L0011487	443629.993	3772821.420	344.67	
L0011488	443630.102	3772812.821	344.58	
L0011489	443630.211	3772804.222	344.38	
L0011490	443630.320	3772795.622	344.17	
L0011491	443630.429	3772787.023	343.97	
L0011492	443630.538	3772778.424	343.81	
L0011493	443630.646	3772769.824	343.73	
L0011494	443630.755	3772761.225	343.64	
L0011495	443630.864	3772752.626	343.55	
L0011496	443630.973	3772744.026	343.52	
L0011497	443631.082	3772735.427	343.52	
L0011498	443631.191	3772726.828	343.53	
L0011499	443631.300	3772718.229	343.53	
L0011500	443631.408	3772709.629	343.51	
L0011501	443631.517	3772701.030	343.49	

\*\* End of LINE VOLUME Source ID = SLINE10

\*\* Source Parameters \*\*

\*\* LINE VOLUME Source ID = SLINE1

SRCPARAM	VOLUME			
L0011531	0.000005286	3.11	4.00	2.89
L0011532	0.000005286	3.11	4.00	2.89
L0011533	0.000005286	3.11	4.00	2.89
L0011534	0.000005286	3.11	4.00	2.89
L0011535	0.000005286	3.11	4.00	2.89
L0011536	0.000005286	3.11	4.00	2.89
L0011537	0.000005286	3.11	4.00	2.89
L0011538	0.000005286	3.11	4.00	2.89
L0011539	0.000005286	3.11	4.00	2.89
L0011540	0.000005286	3.11	4.00	2.89
L0011541	0.000005286	3.11	4.00	2.89
L0011542	0.000005286	3.11	4.00	2.89
L0011543	0.000005286	3.11	4.00	2.89
L0011544	0.000005286	3.11	4.00	2.89
L0011545	0.000005286	3.11	4.00	2.89
L0011546	0.000005286	3.11	4.00	2.89
L0011547	0.000005286	3.11	4.00	2.89
L0011548	0.000005286	3.11	4.00	2.89
L0011549	0.000005286	3.11	4.00	2.89
L0011550	0.000005286	3.11	4.00	2.89
L0011551	0.000005286	3.11	4.00	2.89
L0011552	0.000005286	3.11	4.00	2.89
L0011553	0.000005286	3.11	4.00	2.89
L0011554	0.000005286	3.11	4.00	2.89
L0011555	0.000005286	3.11	4.00	2.89
L0011556	0.000005286	3.11	4.00	2.89
L0011557	0.000005286	3.11	4.00	2.89
L0011558	0.000005286	3.11	4.00	2.89

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SRCPARAM L0011559	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011560	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011561	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011562	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011563	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011564	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011565	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011566	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011567	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011568	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011569	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011570	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011571	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011572	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011573	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011574	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011575	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011576	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011577	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011578	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011579	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011580	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011581	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011582	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011583	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011584	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011585	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011586	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011587	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011588	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011589	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011590	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011591	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011592	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011593	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011594	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011595	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011596	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011597	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011598	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011599	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011600	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011601	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011602	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011603	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011604	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011605	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011606	0.0000005286	3.11	4.00	2.89



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SRCPARAM L0011607	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011608	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011609	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011610	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011611	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011612	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011613	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011614	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011615	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011616	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011617	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011618	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011619	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011620	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011621	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011622	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011623	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011624	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011625	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011626	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011627	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011628	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011629	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011630	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011631	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011632	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011633	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011634	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011635	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011636	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011637	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011638	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011639	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011640	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011641	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011642	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011643	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011644	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011645	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011646	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011647	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011648	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011649	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011650	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011651	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011652	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011653	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011654	0.0000005286	3.11	4.00	2.89

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SRCPARAM	L0011655	0.0000005286	3.11	4.00	2.89
SRCPARAM	L0011656	0.0000005286	3.11	4.00	2.89
SRCPARAM	L0011657	0.0000005286	3.11	4.00	2.89
SRCPARAM	L0011658	0.0000005286	3.11	4.00	2.89
SRCPARAM	L0011659	0.0000005286	3.11	4.00	2.89
SRCPARAM	L0011660	0.0000005286	3.11	4.00	2.89
SRCPARAM	L0011661	0.0000005286	3.11	4.00	2.89
SRCPARAM	L0011662	0.0000005286	3.11	4.00	2.89
SRCPARAM	L0011663	0.0000005286	3.11	4.00	2.89
SRCPARAM	L0011664	0.0000005286	3.11	4.00	2.89
SRCPARAM	L0011665	0.0000005286	3.11	4.00	2.89
SRCPARAM	L0011666	0.0000005286	3.11	4.00	2.89
SRCPARAM	L0011667	0.0000005286	3.11	4.00	2.89
SRCPARAM	L0011668	0.0000005286	3.11	4.00	2.89
SRCPARAM	L0011669	0.0000005286	3.11	4.00	2.89
SRCPARAM	L0011670	0.0000005286	3.11	4.00	2.89
SRCPARAM	L0011671	0.0000005286	3.11	4.00	2.89
SRCPARAM	L0011672	0.0000005286	3.11	4.00	2.89
SRCPARAM	L0011673	0.0000005286	3.11	4.00	2.89
SRCPARAM	L0011674	0.0000005286	3.11	4.00	2.89
SRCPARAM	L0011675	0.0000005286	3.11	4.00	2.89
SRCPARAM	L0011676	0.0000005286	3.11	4.00	2.89
SRCPARAM	L0011677	0.0000005286	3.11	4.00	2.89
SRCPARAM	L0011678	0.0000005286	3.11	4.00	2.89
SRCPARAM	L0011679	0.0000005286	3.11	4.00	2.89
SRCPARAM	L0011680	0.0000005286	3.11	4.00	2.89
SRCPARAM	L0011681	0.0000005286	3.11	4.00	2.89
SRCPARAM	L0011682	0.0000005286	3.11	4.00	2.89
SRCPARAM	L0011683	0.0000005286	3.11	4.00	2.89
SRCPARAM	L0011684	0.0000005286	3.11	4.00	2.89

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\*\* LINE VOLUME Source ID = SLINE2

SRCPARAM	L0011685	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011686	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011687	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011688	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011689	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011690	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011691	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011692	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011693	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011694	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011695	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011696	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011697	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011698	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011699	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011700	0.0000001977	3.11	4.00	2.89



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SRCPARAM L0011749	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011750	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011751	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011752	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011753	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011754	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011755	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011756	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011757	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011758	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011759	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011760	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011761	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011762	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011763	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011764	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011765	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011766	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011767	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011768	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011769	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011770	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011771	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011772	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011773	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011774	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011775	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011776	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011777	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011778	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011779	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011780	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011781	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011782	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011783	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011784	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011785	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011786	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011787	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011788	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011789	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011790	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011791	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011792	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011793	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011794	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011795	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011796	0.0000001977	3.11	4.00	2.89

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SRCPARAM	L0011797	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011798	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011799	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011800	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011801	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011802	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011803	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011804	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011805	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011806	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011807	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011808	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011809	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011810	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011811	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011812	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011813	0.0000001977	3.11	4.00	2.89

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\*\* LINE VOLUME Source ID = SLINE4

SRCPARAM	L0011814	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011815	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011816	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011817	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011818	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011819	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011820	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011821	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011822	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011823	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011824	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011825	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011826	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011827	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011828	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011829	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011830	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011831	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011832	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011833	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011834	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011835	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011836	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011837	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011838	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011839	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011840	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011841	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011842	0.0000003144	3.11	4.00	2.89

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SRCPARAM L0011843	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011844	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011845	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011846	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011847	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011848	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011849	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011850	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011851	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011852	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011853	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011854	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011855	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011856	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011857	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011858	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011859	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011860	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011861	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011862	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011863	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011864	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011865	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011866	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011867	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011868	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011869	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011870	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011871	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011872	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011873	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011874	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011875	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011876	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011877	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011878	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011879	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011880	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011881	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011882	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011883	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011884	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011885	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011886	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011887	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011888	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011889	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011890	0.0000003144	3.11	4.00	2.89

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SRCPARAM L0011891	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011892	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011893	0.0000003144	3.11	4.00	2.89
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SRCPARAM L0011895	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011896	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011897	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011898	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011899	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011900	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011901	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011902	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011903	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011904	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011905	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011906	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011907	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011908	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011909	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011910	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011911	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011912	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011913	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011914	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011915	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011916	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011917	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011918	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011919	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011920	0.0000003144	3.11	4.00	2.89
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SRCPARAM L0011922	0.0000003144	3.11	4.00	2.89
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SRCPARAM L0011926	0.0000003144	3.11	4.00	2.89
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SRCPARAM L0011928	0.0000003144	3.11	4.00	2.89
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SRCPARAM L0011932	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011933	0.0000003144	3.11	4.00	2.89
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SRCPARAM L0011935	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011936	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011937	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011938	0.0000003144	3.11	4.00	2.89

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SRCPARAM L0011939	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011940	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011941	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011942	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011943	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011944	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011945	0.0000003144	3.11	4.00	2.89

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\*\* LINE VOLUME Source ID = SLINE5

SRCPARAM L0011946	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011947	0.0000006196	3.11	4.00	2.89
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SRCPARAM L0011950	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011951	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011952	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011953	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011954	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011955	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011956	0.0000006196	3.11	4.00	2.89
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SRCPARAM L0011958	0.0000006196	3.11	4.00	2.89
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SRCPARAM L0011963	0.0000006196	3.11	4.00	2.89
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SRCPARAM L0011971	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011972	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011973	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011974	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011975	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011976	0.0000006196	3.11	4.00	2.89
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SRCPARAM L0011978	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011979	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011980	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011981	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011982	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011983	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011984	0.0000006196	3.11	4.00	2.89



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SRCPARAM L0011985	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011986	0.0000006196	3.11	4.00	2.89
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SRCPARAM L0012000	0.0000006196	3.11	4.00	2.89
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SRCPARAM L0012002	0.0000006196	3.11	4.00	2.89
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SRCPARAM L0012014	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012015	0.0000006196	3.11	4.00	2.89
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SRCPARAM L0012020	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012021	0.0000006196	3.11	4.00	2.89
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SRCPARAM L0012023	0.0000006196	3.11	4.00	2.89
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SRCPARAM L0012025	0.0000006196	3.11	4.00	2.89
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SRCPARAM L0012027	0.0000006196	3.11	4.00	2.89
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SRCPARAM L0012029	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012030	0.0000006196	3.11	4.00	2.89
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SRCPARAM L0012032	0.0000006196	3.11	4.00	2.89



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SRCPARAM L0012081	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012082	0.0000006196	3.11	4.00	2.89
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SRCPARAM L0012086	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012087	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012088	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012089	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012090	0.0000006196	3.11	4.00	2.89
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SRCPARAM L0012099	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012100	0.0000006196	3.11	4.00	2.89
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SRCPARAM L0012105	0.0000006196	3.11	4.00	2.89
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SRCPARAM L0012107	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012108	0.0000006196	3.11	4.00	2.89
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SRCPARAM L0012113	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012114	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012115	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012116	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012117	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012118	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012119	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012120	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012121	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012122	0.0000006196	3.11	4.00	2.89
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SRCPARAM L0012125	0.0000006196	3.11	4.00	2.89
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SRCPARAM L0012127	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012128	0.0000006196	3.11	4.00	2.89

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SRCPARAM L0012129	0.0000006196	3.11	4.00	2.89
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SRCPARAM L0012141	0.0000006196	3.11	4.00	2.89
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SRCPARAM L0012144	0.0000006196	3.11	4.00	2.89
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SRCPARAM L0012146	0.0000006196	3.11	4.00	2.89
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SRCPARAM L0012148	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012149	0.0000006196	3.11	4.00	2.89
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SRCPARAM L0012159	0.0000006196	3.11	4.00	2.89
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SRCPARAM L0012162	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012163	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012164	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012165	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012166	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012167	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012168	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012169	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012170	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012171	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012172	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012173	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012174	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012175	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012176	0.0000006196	3.11	4.00	2.89

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SRCPARAM	L0012177	0.0000006196	3.11	4.00	2.89
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SRCPARAM	L0012179	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012180	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012181	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012182	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012183	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012184	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012185	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012186	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012187	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012188	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012189	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012190	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012191	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012192	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012193	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012194	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012195	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012196	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012197	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012198	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012199	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012200	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012201	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012202	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012203	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012204	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012205	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012206	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012207	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012208	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012209	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012210	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012211	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012212	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012213	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012214	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012215	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012216	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012217	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012218	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012219	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012220	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012221	0.0000006196	3.11	4.00	2.89

\*\*

\*\* LINE VOLUME Source ID = SLINE6

SRCPARAM	L0012222	0.0000004792	3.11	4.00	2.89
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9th\_and\_Vineyard.ADI

SRCPARAM	L0012223	0.00000004792	3.11	4.00	2.89
SRCPARAM	L0012224	0.00000004792	3.11	4.00	2.89
SRCPARAM	L0012225	0.00000004792	3.11	4.00	2.89
SRCPARAM	L0012226	0.00000004792	3.11	4.00	2.89
SRCPARAM	L0012227	0.00000004792	3.11	4.00	2.89
SRCPARAM	L0012228	0.00000004792	3.11	4.00	2.89
SRCPARAM	L0012229	0.00000004792	3.11	4.00	2.89
SRCPARAM	L0012230	0.00000004792	3.11	4.00	2.89
SRCPARAM	L0012231	0.00000004792	3.11	4.00	2.89
SRCPARAM	L0012232	0.00000004792	3.11	4.00	2.89
SRCPARAM	L0012233	0.00000004792	3.11	4.00	2.89
SRCPARAM	L0012234	0.00000004792	3.11	4.00	2.89

\*\*

\*\* LINE VOLUME Source ID = SLINE7

SRCPARAM	L0012235	0.00000002408	3.11	4.00	2.89
SRCPARAM	L0012236	0.00000002408	3.11	4.00	2.89
SRCPARAM	L0012237	0.00000002408	3.11	4.00	2.89
SRCPARAM	L0012238	0.00000002408	3.11	4.00	2.89
SRCPARAM	L0012239	0.00000002408	3.11	4.00	2.89
SRCPARAM	L0012240	0.00000002408	3.11	4.00	2.89
SRCPARAM	L0012241	0.00000002408	3.11	4.00	2.89
SRCPARAM	L0012242	0.00000002408	3.11	4.00	2.89
SRCPARAM	L0012243	0.00000002408	3.11	4.00	2.89
SRCPARAM	L0012244	0.00000002408	3.11	4.00	2.89
SRCPARAM	L0012245	0.00000002408	3.11	4.00	2.89
SRCPARAM	L0012246	0.00000002408	3.11	4.00	2.89

\*\*

\*\* LINE VOLUME Source ID = SLINE8

SRCPARAM	L0012247	0.0000000525	3.11	4.00	2.89
SRCPARAM	L0012248	0.0000000525	3.11	4.00	2.89
SRCPARAM	L0012249	0.0000000525	3.11	4.00	2.89
SRCPARAM	L0012250	0.0000000525	3.11	4.00	2.89
SRCPARAM	L0012251	0.0000000525	3.11	4.00	2.89
SRCPARAM	L0012252	0.0000000525	3.11	4.00	2.89
SRCPARAM	L0012253	0.0000000525	3.11	4.00	2.89
SRCPARAM	L0012254	0.0000000525	3.11	4.00	2.89
SRCPARAM	L0012255	0.0000000525	3.11	4.00	2.89
SRCPARAM	L0012256	0.0000000525	3.11	4.00	2.89
SRCPARAM	L0012257	0.0000000525	3.11	4.00	2.89
SRCPARAM	L0012258	0.0000000525	3.11	4.00	2.89
SRCPARAM	L0012259	0.0000000525	3.11	4.00	2.89
SRCPARAM	L0012260	0.0000000525	3.11	4.00	2.89
SRCPARAM	L0012261	0.0000000525	3.11	4.00	2.89
SRCPARAM	L0012262	0.0000000525	3.11	4.00	2.89
SRCPARAM	L0012263	0.0000000525	3.11	4.00	2.89
SRCPARAM	L0012264	0.0000000525	3.11	4.00	2.89
SRCPARAM	L0012265	0.0000000525	3.11	4.00	2.89
SRCPARAM	L0012266	0.0000000525	3.11	4.00	2.89

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\*\* LINE VOLUME Source ID = SLINE9

SRCPARAM	L0012267	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012268	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012269	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012270	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012271	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012272	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012273	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012274	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012275	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012276	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012277	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012278	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012279	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012280	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012281	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012282	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012283	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012284	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012285	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012286	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012287	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012288	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012289	0.0000000513	3.11	4.00	2.89

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\*\* LINE VOLUME Source ID = SLINE10

SRCPARAM	L0011473	0.0000008759	3.11	4.00	2.89
SRCPARAM	L0011474	0.0000008759	3.11	4.00	2.89
SRCPARAM	L0011475	0.0000008759	3.11	4.00	2.89
SRCPARAM	L0011476	0.0000008759	3.11	4.00	2.89
SRCPARAM	L0011477	0.0000008759	3.11	4.00	2.89
SRCPARAM	L0011478	0.0000008759	3.11	4.00	2.89
SRCPARAM	L0011479	0.0000008759	3.11	4.00	2.89
SRCPARAM	L0011480	0.0000008759	3.11	4.00	2.89
SRCPARAM	L0011481	0.0000008759	3.11	4.00	2.89
SRCPARAM	L0011482	0.0000008759	3.11	4.00	2.89
SRCPARAM	L0011483	0.0000008759	3.11	4.00	2.89
SRCPARAM	L0011484	0.0000008759	3.11	4.00	2.89
SRCPARAM	L0011485	0.0000008759	3.11	4.00	2.89
SRCPARAM	L0011486	0.0000008759	3.11	4.00	2.89
SRCPARAM	L0011487	0.0000008759	3.11	4.00	2.89
SRCPARAM	L0011488	0.0000008759	3.11	4.00	2.89
SRCPARAM	L0011489	0.0000008759	3.11	4.00	2.89
SRCPARAM	L0011490	0.0000008759	3.11	4.00	2.89
SRCPARAM	L0011491	0.0000008759	3.11	4.00	2.89
SRCPARAM	L0011492	0.0000008759	3.11	4.00	2.89
SRCPARAM	L0011493	0.0000008759	3.11	4.00	2.89

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SRCPARAM L0011494	0.0000008759	3.11	4.00	2.89
SRCPARAM L0011495	0.0000008759	3.11	4.00	2.89
SRCPARAM L0011496	0.0000008759	3.11	4.00	2.89
SRCPARAM L0011497	0.0000008759	3.11	4.00	2.89
SRCPARAM L0011498	0.0000008759	3.11	4.00	2.89
SRCPARAM L0011499	0.0000008759	3.11	4.00	2.89
SRCPARAM L0011500	0.0000008759	3.11	4.00	2.89
SRCPARAM L0011501	0.0000008759	3.11	4.00	2.89

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URBANSRC ALL  
SRCGROUP ALL

SO FINISHED

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\*\* AERMOD Receptor Pathway

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RE STARTING  
INCLUDED 9th\_and\_Vineyard.rou

RE FINISHED

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\*\* AERMOD Meteorology Pathway

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ME STARTING  
SURFFILE "\\orafp01\CA\_ORA\ORA\_AQN\095894015 - 9th and Vineyard Rancho Cucamonga\5 HRA\5.1 Data\UPLA\_V9\_ADJU\UPLA\_v9.SFC"  
PROFFILE "\\orafp01\CA\_ORA\ORA\_AQN\095894015 - 9th and Vineyard Rancho Cucamonga\5 HRA\5.1 Data\UPLA\_V9\_ADJU\UPLA\_v9.PFL"  
SURFDATA 3102 2012  
UAIRDATA 3190 2012  
SITEDATA 99999 2012  
PROFBASE 379.0 METERS

ME FINISHED

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\*\* AERMOD Output Pathway

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OU STARTING  
RECTABLE ALLAVE 1ST  
RECTABLE 1 1ST  
RECTABLE 24 1ST

\*\* Auto-Generated Plotfiles



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                                9th_and_Vineyard.ADI
PLOTFILE 1 ALL 1ST "C:\Lakes\AERMOD
View\9th_and_Vineyard\9th_and_Vineyard.AD\01H1GALL.PLT" 31
PLOTFILE 24 ALL 1ST "C:\Lakes\AERMOD
View\9th_and_Vineyard\9th_and_Vineyard.AD\24H1GALL.PLT" 32
PLOTFILE ANNUAL ALL "C:\Lakes\AERMOD
View\9th_and_Vineyard\9th_and_Vineyard.AD\AN00GALL.PLT" 33
SUMMFILE "C:\Lakes\AERMOD View\9th_and_Vineyard\9th_and_Vineyard.sum"
OU FINISHED
**
*****
** Project Parameters
*****
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    World Geodetic System 1984
** DTMRGN   Global Definition
** UNITS    m
** ZONE     11
** ZONEINX  0
**

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9th\_and\_Vineyard.ADO

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\*\* AERMOD Input Produced by:

\*\* AERMOD View Ver. 9.9.0

\*\* Lakes Environmental Software Inc.

\*\* Date: 9/17/2020

\*\* File: C:\Lakes\AERMOD View\9th\_and\_Vineyard\9th\_and\_Vineyard.ADI

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\*\* AERMOD Control Pathway

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CO STARTING

TITLEONE Operations

MODELOPT DFAULT CONC

AVERTIME 1 24 ANNUAL

URBANOPT 2035210 San\_Bernardino\_County

POLLUTID PM\_10

RUNORNOT RUN

ERRORFIL 9th\_and\_Vineyard.err

CO FINISHED

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\*\* AERMOD Source Pathway

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SO STARTING

\*\* Source Location \*\*

\*\* Source ID - Type - X Coord. - Y Coord. \*\*

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE1

\*\* DESCRSRC Vineyard 2

\*\* PREFIX

\*\* Length of Side = 8.60

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.0000814

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 2

\*\* 443631.647, 3772694.360, 343.44, 3.11, 4.00

\*\* 443611.473, 3771366.447, 322.51, 3.11, 4.00

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LOCATION L0011531	VOLUME	443631.582	3772690.061	343.47
LOCATION L0011532	VOLUME	443631.451	3772681.462	343.32
LOCATION L0011533	VOLUME	443631.321	3772672.863	343.16
LOCATION L0011534	VOLUME	443631.190	3772664.264	342.99
LOCATION L0011535	VOLUME	443631.059	3772655.665	342.81
LOCATION L0011536	VOLUME	443630.929	3772647.066	342.60
LOCATION L0011537	VOLUME	443630.798	3772638.467	342.39
LOCATION L0011538	VOLUME	443630.667	3772629.868	342.18
LOCATION L0011539	VOLUME	443630.537	3772621.269	342.04
LOCATION L0011540	VOLUME	443630.406	3772612.670	341.94
LOCATION L0011541	VOLUME	443630.276	3772604.071	341.85
LOCATION L0011542	VOLUME	443630.145	3772595.472	341.74
LOCATION L0011543	VOLUME	443630.014	3772586.873	341.56
LOCATION L0011544	VOLUME	443629.884	3772578.274	341.37
LOCATION L0011545	VOLUME	443629.753	3772569.675	341.19
LOCATION L0011546	VOLUME	443629.622	3772561.076	340.94
LOCATION L0011547	VOLUME	443629.492	3772552.477	340.63
LOCATION L0011548	VOLUME	443629.361	3772543.878	340.31
LOCATION L0011549	VOLUME	443629.230	3772535.279	340.00
LOCATION L0011550	VOLUME	443629.100	3772526.680	339.86
LOCATION L0011551	VOLUME	443628.969	3772518.081	339.74
LOCATION L0011552	VOLUME	443628.839	3772509.482	339.61
LOCATION L0011553	VOLUME	443628.708	3772500.883	339.49
LOCATION L0011554	VOLUME	443628.577	3772492.284	339.35
LOCATION L0011555	VOLUME	443628.447	3772483.685	339.22
LOCATION L0011556	VOLUME	443628.316	3772475.086	339.08
LOCATION L0011557	VOLUME	443628.185	3772466.487	338.95
LOCATION L0011558	VOLUME	443628.055	3772457.888	338.81
LOCATION L0011559	VOLUME	443627.924	3772449.289	338.67
LOCATION L0011560	VOLUME	443627.793	3772440.690	338.53
LOCATION L0011561	VOLUME	443627.663	3772432.091	338.38
LOCATION L0011562	VOLUME	443627.532	3772423.492	338.24
LOCATION L0011563	VOLUME	443627.402	3772414.893	338.10
LOCATION L0011564	VOLUME	443627.271	3772406.294	337.96
LOCATION L0011565	VOLUME	443627.140	3772397.695	337.83
LOCATION L0011566	VOLUME	443627.010	3772389.096	337.69
LOCATION L0011567	VOLUME	443626.879	3772380.497	337.56
LOCATION L0011568	VOLUME	443626.748	3772371.898	337.43
LOCATION L0011569	VOLUME	443626.618	3772363.299	337.31
LOCATION L0011570	VOLUME	443626.487	3772354.700	337.18
LOCATION L0011571	VOLUME	443626.356	3772346.101	337.04
LOCATION L0011572	VOLUME	443626.226	3772337.502	336.88
LOCATION L0011573	VOLUME	443626.095	3772328.903	336.71
LOCATION L0011574	VOLUME	443625.964	3772320.304	336.55
LOCATION L0011575	VOLUME	443625.834	3772311.705	336.40
LOCATION L0011576	VOLUME	443625.703	3772303.105	336.26
LOCATION L0011577	VOLUME	443625.573	3772294.506	336.11

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LOCATION L0011578	VOLUME	443625.442	3772285.907	335.97
LOCATION L0011579	VOLUME	443625.311	3772277.308	335.85
LOCATION L0011580	VOLUME	443625.181	3772268.709	335.73
LOCATION L0011581	VOLUME	443625.050	3772260.110	335.61
LOCATION L0011582	VOLUME	443624.919	3772251.511	335.50
LOCATION L0011583	VOLUME	443624.789	3772242.912	335.38
LOCATION L0011584	VOLUME	443624.658	3772234.313	335.27
LOCATION L0011585	VOLUME	443624.527	3772225.714	335.15
LOCATION L0011586	VOLUME	443624.397	3772217.115	334.99
LOCATION L0011587	VOLUME	443624.266	3772208.516	334.83
LOCATION L0011588	VOLUME	443624.136	3772199.917	334.67
LOCATION L0011589	VOLUME	443624.005	3772191.318	334.51
LOCATION L0011590	VOLUME	443623.874	3772182.719	334.36
LOCATION L0011591	VOLUME	443623.744	3772174.120	334.21
LOCATION L0011592	VOLUME	443623.613	3772165.521	334.06
LOCATION L0011593	VOLUME	443623.482	3772156.922	333.96
LOCATION L0011594	VOLUME	443623.352	3772148.323	333.86
LOCATION L0011595	VOLUME	443623.221	3772139.724	333.76
LOCATION L0011596	VOLUME	443623.090	3772131.125	333.61
LOCATION L0011597	VOLUME	443622.960	3772122.526	333.36
LOCATION L0011598	VOLUME	443622.829	3772113.927	333.12
LOCATION L0011599	VOLUME	443622.699	3772105.328	332.88
LOCATION L0011600	VOLUME	443622.568	3772096.729	332.60
LOCATION L0011601	VOLUME	443622.437	3772088.130	332.32
LOCATION L0011602	VOLUME	443622.307	3772079.531	332.03
LOCATION L0011603	VOLUME	443622.176	3772070.932	331.78
LOCATION L0011604	VOLUME	443622.045	3772062.333	331.65
LOCATION L0011605	VOLUME	443621.915	3772053.734	331.53
LOCATION L0011606	VOLUME	443621.784	3772045.135	331.40
LOCATION L0011607	VOLUME	443621.653	3772036.536	331.28
LOCATION L0011608	VOLUME	443621.523	3772027.937	331.17
LOCATION L0011609	VOLUME	443621.392	3772019.338	331.06
LOCATION L0011610	VOLUME	443621.262	3772010.739	330.94
LOCATION L0011611	VOLUME	443621.131	3772002.140	330.79
LOCATION L0011612	VOLUME	443621.000	3771993.541	330.65
LOCATION L0011613	VOLUME	443620.870	3771984.942	330.50
LOCATION L0011614	VOLUME	443620.739	3771976.343	330.37
LOCATION L0011615	VOLUME	443620.608	3771967.744	330.26
LOCATION L0011616	VOLUME	443620.478	3771959.145	330.14
LOCATION L0011617	VOLUME	443620.347	3771950.546	330.03
LOCATION L0011618	VOLUME	443620.216	3771941.947	329.94
LOCATION L0011619	VOLUME	443620.086	3771933.348	329.85
LOCATION L0011620	VOLUME	443619.955	3771924.749	329.77
LOCATION L0011621	VOLUME	443619.825	3771916.150	329.67
LOCATION L0011622	VOLUME	443619.694	3771907.551	329.56
LOCATION L0011623	VOLUME	443619.563	3771898.952	329.44
LOCATION L0011624	VOLUME	443619.433	3771890.353	329.33
LOCATION L0011625	VOLUME	443619.302	3771881.754	329.23

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LOCATION L0011626	VOLUME	443619.171	3771873.155	329.14
LOCATION L0011627	VOLUME	443619.041	3771864.556	329.05
LOCATION L0011628	VOLUME	443618.910	3771855.957	328.95
LOCATION L0011629	VOLUME	443618.779	3771847.358	328.80
LOCATION L0011630	VOLUME	443618.649	3771838.759	328.64
LOCATION L0011631	VOLUME	443618.518	3771830.160	328.49
LOCATION L0011632	VOLUME	443618.387	3771821.561	328.33
LOCATION L0011633	VOLUME	443618.257	3771812.962	328.16
LOCATION L0011634	VOLUME	443618.126	3771804.363	327.99
LOCATION L0011635	VOLUME	443617.996	3771795.764	327.82
LOCATION L0011636	VOLUME	443617.865	3771787.165	327.72
LOCATION L0011637	VOLUME	443617.734	3771778.566	327.63
LOCATION L0011638	VOLUME	443617.604	3771769.967	327.53
LOCATION L0011639	VOLUME	443617.473	3771761.368	327.43
LOCATION L0011640	VOLUME	443617.342	3771752.769	327.32
LOCATION L0011641	VOLUME	443617.212	3771744.170	327.20
LOCATION L0011642	VOLUME	443617.081	3771735.571	327.09
LOCATION L0011643	VOLUME	443616.950	3771726.972	326.99
LOCATION L0011644	VOLUME	443616.820	3771718.373	326.90
LOCATION L0011645	VOLUME	443616.689	3771709.774	326.80
LOCATION L0011646	VOLUME	443616.559	3771701.175	326.70
LOCATION L0011647	VOLUME	443616.428	3771692.576	326.58
LOCATION L0011648	VOLUME	443616.297	3771683.977	326.45
LOCATION L0011649	VOLUME	443616.167	3771675.378	326.33
LOCATION L0011650	VOLUME	443616.036	3771666.779	326.24
LOCATION L0011651	VOLUME	443615.905	3771658.180	326.17
LOCATION L0011652	VOLUME	443615.775	3771649.581	326.09
LOCATION L0011653	VOLUME	443615.644	3771640.982	326.02
LOCATION L0011654	VOLUME	443615.513	3771632.383	325.91
LOCATION L0011655	VOLUME	443615.383	3771623.784	325.79
LOCATION L0011656	VOLUME	443615.252	3771615.185	325.68
LOCATION L0011657	VOLUME	443615.122	3771606.586	325.56
LOCATION L0011658	VOLUME	443614.991	3771597.987	325.43
LOCATION L0011659	VOLUME	443614.860	3771589.388	325.31
LOCATION L0011660	VOLUME	443614.730	3771580.789	325.18
LOCATION L0011661	VOLUME	443614.599	3771572.190	325.12
LOCATION L0011662	VOLUME	443614.468	3771563.591	325.06
LOCATION L0011663	VOLUME	443614.338	3771554.992	325.00
LOCATION L0011664	VOLUME	443614.207	3771546.393	324.93
LOCATION L0011665	VOLUME	443614.076	3771537.794	324.81
LOCATION L0011666	VOLUME	443613.946	3771529.195	324.69
LOCATION L0011667	VOLUME	443613.815	3771520.596	324.58
LOCATION L0011668	VOLUME	443613.685	3771511.997	324.45
LOCATION L0011669	VOLUME	443613.554	3771503.398	324.32
LOCATION L0011670	VOLUME	443613.423	3771494.799	324.19
LOCATION L0011671	VOLUME	443613.293	3771486.200	324.06
LOCATION L0011672	VOLUME	443613.162	3771477.601	323.97
LOCATION L0011673	VOLUME	443613.031	3771469.002	323.88

9th\_and\_Vineyard.ADO

LOCATION L0011674	VOLUME	443612.901	3771460.403	323.78
LOCATION L0011675	VOLUME	443612.770	3771451.804	323.67
LOCATION L0011676	VOLUME	443612.639	3771443.205	323.54
LOCATION L0011677	VOLUME	443612.509	3771434.606	323.41
LOCATION L0011678	VOLUME	443612.378	3771426.007	323.28
LOCATION L0011679	VOLUME	443612.248	3771417.408	323.18
LOCATION L0011680	VOLUME	443612.117	3771408.809	323.08
LOCATION L0011681	VOLUME	443611.986	3771400.210	322.99
LOCATION L0011682	VOLUME	443611.856	3771391.611	322.89
LOCATION L0011683	VOLUME	443611.725	3771383.012	322.78
LOCATION L0011684	VOLUME	443611.594	3771374.413	322.68

\*\* End of LINE VOLUME Source ID = SLINE1

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE2

\*\* DESCRSRC 8th Street

\*\* PREFIX

\*\* Length of Side = 8.60

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.0000255

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 2

\*\* 443613.043, 3772539.421, 340.04, 3.11, 4.00

\*\* 442502.114, 3772539.723, 351.82, 3.11, 4.00

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LOCATION L0011685	VOLUME	443608.743	3772539.422	340.25
LOCATION L0011686	VOLUME	443600.143	3772539.425	340.27
LOCATION L0011687	VOLUME	443591.543	3772539.427	340.29
LOCATION L0011688	VOLUME	443582.943	3772539.429	340.35
LOCATION L0011689	VOLUME	443574.343	3772539.432	340.42
LOCATION L0011690	VOLUME	443565.743	3772539.434	340.50
LOCATION L0011691	VOLUME	443557.143	3772539.436	340.56
LOCATION L0011692	VOLUME	443548.543	3772539.439	340.60
LOCATION L0011693	VOLUME	443539.943	3772539.441	340.64
LOCATION L0011694	VOLUME	443531.343	3772539.443	340.70
LOCATION L0011695	VOLUME	443522.743	3772539.446	340.77
LOCATION L0011696	VOLUME	443514.143	3772539.448	340.85
LOCATION L0011697	VOLUME	443505.543	3772539.450	340.94
LOCATION L0011698	VOLUME	443496.943	3772539.453	341.03
LOCATION L0011699	VOLUME	443488.343	3772539.455	341.13
LOCATION L0011700	VOLUME	443479.743	3772539.457	341.25
LOCATION L0011701	VOLUME	443471.143	3772539.460	341.38
LOCATION L0011702	VOLUME	443462.543	3772539.462	341.51
LOCATION L0011703	VOLUME	443453.943	3772539.464	341.61
LOCATION L0011704	VOLUME	443445.343	3772539.467	341.71
LOCATION L0011705	VOLUME	443436.743	3772539.469	341.80
LOCATION L0011706	VOLUME	443428.143	3772539.471	341.88

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LOCATION L0011707	VOLUME	443419.543	3772539.474	341.95
LOCATION L0011708	VOLUME	443410.943	3772539.476	342.02
LOCATION L0011709	VOLUME	443402.343	3772539.478	342.13
LOCATION L0011710	VOLUME	443393.743	3772539.481	342.26
LOCATION L0011711	VOLUME	443385.143	3772539.483	342.39
LOCATION L0011712	VOLUME	443376.543	3772539.485	342.48
LOCATION L0011713	VOLUME	443367.943	3772539.488	342.55
LOCATION L0011714	VOLUME	443359.343	3772539.490	342.61
LOCATION L0011715	VOLUME	443350.743	3772539.492	342.70
LOCATION L0011716	VOLUME	443342.143	3772539.495	342.79
LOCATION L0011717	VOLUME	443333.543	3772539.497	342.88
LOCATION L0011718	VOLUME	443324.943	3772539.500	342.96
LOCATION L0011719	VOLUME	443316.343	3772539.502	343.04
LOCATION L0011720	VOLUME	443307.743	3772539.504	343.12
LOCATION L0011721	VOLUME	443299.143	3772539.507	343.16
LOCATION L0011722	VOLUME	443290.543	3772539.509	343.18
LOCATION L0011723	VOLUME	443281.943	3772539.511	343.21
LOCATION L0011724	VOLUME	443273.343	3772539.514	343.28
LOCATION L0011725	VOLUME	443264.743	3772539.516	343.36
LOCATION L0011726	VOLUME	443256.143	3772539.518	343.44
LOCATION L0011727	VOLUME	443247.543	3772539.521	343.52
LOCATION L0011728	VOLUME	443238.943	3772539.523	343.61
LOCATION L0011729	VOLUME	443230.343	3772539.525	343.69
LOCATION L0011730	VOLUME	443221.743	3772539.528	343.76
LOCATION L0011731	VOLUME	443213.143	3772539.530	343.84
LOCATION L0011732	VOLUME	443204.543	3772539.532	343.91
LOCATION L0011733	VOLUME	443195.943	3772539.535	343.99
LOCATION L0011734	VOLUME	443187.343	3772539.537	344.06
LOCATION L0011735	VOLUME	443178.743	3772539.539	344.14
LOCATION L0011736	VOLUME	443170.143	3772539.542	344.26
LOCATION L0011737	VOLUME	443161.543	3772539.544	344.40
LOCATION L0011738	VOLUME	443152.943	3772539.546	344.54
LOCATION L0011739	VOLUME	443144.343	3772539.549	344.66
LOCATION L0011740	VOLUME	443135.743	3772539.551	344.79
LOCATION L0011741	VOLUME	443127.143	3772539.553	344.91
LOCATION L0011742	VOLUME	443118.543	3772539.556	344.98
LOCATION L0011743	VOLUME	443109.943	3772539.558	345.03
LOCATION L0011744	VOLUME	443101.343	3772539.560	345.09
LOCATION L0011745	VOLUME	443092.743	3772539.563	345.19
LOCATION L0011746	VOLUME	443084.143	3772539.565	345.30
LOCATION L0011747	VOLUME	443075.543	3772539.567	345.40
LOCATION L0011748	VOLUME	443066.943	3772539.570	345.49
LOCATION L0011749	VOLUME	443058.343	3772539.572	345.58
LOCATION L0011750	VOLUME	443049.743	3772539.574	345.67
LOCATION L0011751	VOLUME	443041.143	3772539.577	345.73
LOCATION L0011752	VOLUME	443032.543	3772539.579	345.78
LOCATION L0011753	VOLUME	443023.943	3772539.581	345.84
LOCATION L0011754	VOLUME	443015.343	3772539.584	345.95

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LOCATION L0011755	VOLUME	443006.743	3772539.586	346.07
LOCATION L0011756	VOLUME	442998.143	3772539.588	346.19
LOCATION L0011757	VOLUME	442989.543	3772539.591	346.34
LOCATION L0011758	VOLUME	442980.943	3772539.593	346.48
LOCATION L0011759	VOLUME	442972.343	3772539.595	346.63
LOCATION L0011760	VOLUME	442963.743	3772539.598	346.73
LOCATION L0011761	VOLUME	442955.143	3772539.600	346.83
LOCATION L0011762	VOLUME	442946.543	3772539.602	346.93
LOCATION L0011763	VOLUME	442937.943	3772539.605	347.04
LOCATION L0011764	VOLUME	442929.343	3772539.607	347.15
LOCATION L0011765	VOLUME	442920.743	3772539.609	347.26
LOCATION L0011766	VOLUME	442912.143	3772539.612	347.38
LOCATION L0011767	VOLUME	442903.543	3772539.614	347.51
LOCATION L0011768	VOLUME	442894.943	3772539.616	347.63
LOCATION L0011769	VOLUME	442886.343	3772539.619	347.70
LOCATION L0011770	VOLUME	442877.743	3772539.621	347.76
LOCATION L0011771	VOLUME	442869.143	3772539.623	347.83
LOCATION L0011772	VOLUME	442860.543	3772539.626	347.93
LOCATION L0011773	VOLUME	442851.943	3772539.628	348.02
LOCATION L0011774	VOLUME	442843.343	3772539.630	348.12
LOCATION L0011775	VOLUME	442834.743	3772539.633	348.19
LOCATION L0011776	VOLUME	442826.143	3772539.635	348.27
LOCATION L0011777	VOLUME	442817.543	3772539.637	348.35
LOCATION L0011778	VOLUME	442808.943	3772539.640	348.46
LOCATION L0011779	VOLUME	442800.343	3772539.642	348.57
LOCATION L0011780	VOLUME	442791.743	3772539.644	348.68
LOCATION L0011781	VOLUME	442783.143	3772539.647	348.76
LOCATION L0011782	VOLUME	442774.543	3772539.649	348.85
LOCATION L0011783	VOLUME	442765.943	3772539.651	348.93
LOCATION L0011784	VOLUME	442757.343	3772539.654	349.03
LOCATION L0011785	VOLUME	442748.743	3772539.656	349.12
LOCATION L0011786	VOLUME	442740.143	3772539.658	349.22
LOCATION L0011787	VOLUME	442731.543	3772539.661	349.33
LOCATION L0011788	VOLUME	442722.943	3772539.663	349.44
LOCATION L0011789	VOLUME	442714.343	3772539.665	349.54
LOCATION L0011790	VOLUME	442705.743	3772539.668	349.64
LOCATION L0011791	VOLUME	442697.143	3772539.670	349.73
LOCATION L0011792	VOLUME	442688.543	3772539.672	349.83
LOCATION L0011793	VOLUME	442679.943	3772539.675	349.91
LOCATION L0011794	VOLUME	442671.343	3772539.677	349.99
LOCATION L0011795	VOLUME	442662.743	3772539.679	350.07
LOCATION L0011796	VOLUME	442654.143	3772539.682	350.15
LOCATION L0011797	VOLUME	442645.543	3772539.684	350.22
LOCATION L0011798	VOLUME	442636.943	3772539.686	350.30
LOCATION L0011799	VOLUME	442628.343	3772539.689	350.39
LOCATION L0011800	VOLUME	442619.743	3772539.691	350.49
LOCATION L0011801	VOLUME	442611.143	3772539.693	350.59
LOCATION L0011802	VOLUME	442602.543	3772539.696	350.70



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LOCATION L0011803	VOLUME	442593.943	3772539.698	350.81
LOCATION L0011804	VOLUME	442585.343	3772539.700	350.92
LOCATION L0011805	VOLUME	442576.743	3772539.703	351.01
LOCATION L0011806	VOLUME	442568.143	3772539.705	351.11
LOCATION L0011807	VOLUME	442559.543	3772539.707	351.20
LOCATION L0011808	VOLUME	442550.943	3772539.710	351.30
LOCATION L0011809	VOLUME	442542.343	3772539.712	351.39
LOCATION L0011810	VOLUME	442533.743	3772539.714	351.49
LOCATION L0011811	VOLUME	442525.143	3772539.717	351.60
LOCATION L0011812	VOLUME	442516.543	3772539.719	351.71
LOCATION L0011813	VOLUME	442507.943	3772539.721	351.82

\*\* End of LINE VOLUME Source ID = SLINE2

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE4

\*\* DESCRSRC Off-Site 9th Avenue

\*\* PREFIX

\*\* Length of Side = 8.60

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.0000415

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 2

\*\* 443621.372, 3772944.176, 347.16, 3.11, 4.00

\*\* 442489.477, 3772948.929, 360.71, 3.11, 4.00

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LOCATION L0011814	VOLUME	443617.072	3772944.194	347.46
LOCATION L0011815	VOLUME	443608.472	3772944.230	347.67
LOCATION L0011816	VOLUME	443599.872	3772944.266	347.90
LOCATION L0011817	VOLUME	443591.272	3772944.302	348.14
LOCATION L0011818	VOLUME	443582.672	3772944.339	348.24
LOCATION L0011819	VOLUME	443574.072	3772944.375	348.30
LOCATION L0011820	VOLUME	443565.472	3772944.411	348.37
LOCATION L0011821	VOLUME	443556.872	3772944.447	348.33
LOCATION L0011822	VOLUME	443548.272	3772944.483	348.27
LOCATION L0011823	VOLUME	443539.672	3772944.519	348.21
LOCATION L0011824	VOLUME	443531.072	3772944.555	347.68
LOCATION L0011825	VOLUME	443522.472	3772944.591	347.08
LOCATION L0011826	VOLUME	443513.872	3772944.627	346.49
LOCATION L0011827	VOLUME	443505.273	3772944.663	346.87
LOCATION L0011828	VOLUME	443496.673	3772944.700	347.38
LOCATION L0011829	VOLUME	443488.073	3772944.736	347.88
LOCATION L0011830	VOLUME	443479.473	3772944.772	347.99
LOCATION L0011831	VOLUME	443470.873	3772944.808	348.05
LOCATION L0011832	VOLUME	443462.273	3772944.844	348.12
LOCATION L0011833	VOLUME	443453.673	3772944.880	348.24
LOCATION L0011834	VOLUME	443445.073	3772944.916	348.37
LOCATION L0011835	VOLUME	443436.473	3772944.952	348.50

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LOCATION L0011836	VOLUME	443427.873	3772944.988	348.62
LOCATION L0011837	VOLUME	443419.273	3772945.025	348.74
LOCATION L0011838	VOLUME	443410.673	3772945.061	348.85
LOCATION L0011839	VOLUME	443402.073	3772945.097	348.98
LOCATION L0011840	VOLUME	443393.474	3772945.133	349.11
LOCATION L0011841	VOLUME	443384.874	3772945.169	349.23
LOCATION L0011842	VOLUME	443376.274	3772945.205	349.34
LOCATION L0011843	VOLUME	443367.674	3772945.241	349.45
LOCATION L0011844	VOLUME	443359.074	3772945.277	349.55
LOCATION L0011845	VOLUME	443350.474	3772945.313	349.69
LOCATION L0011846	VOLUME	443341.874	3772945.350	349.83
LOCATION L0011847	VOLUME	443333.274	3772945.386	349.97
LOCATION L0011848	VOLUME	443324.674	3772945.422	350.09
LOCATION L0011849	VOLUME	443316.074	3772945.458	350.21
LOCATION L0011850	VOLUME	443307.474	3772945.494	350.33
LOCATION L0011851	VOLUME	443298.874	3772945.530	350.51
LOCATION L0011852	VOLUME	443290.274	3772945.566	350.69
LOCATION L0011853	VOLUME	443281.675	3772945.602	350.87
LOCATION L0011854	VOLUME	443273.075	3772945.638	351.07
LOCATION L0011855	VOLUME	443264.475	3772945.675	351.27
LOCATION L0011856	VOLUME	443255.875	3772945.711	351.45
LOCATION L0011857	VOLUME	443247.275	3772945.747	351.53
LOCATION L0011858	VOLUME	443238.675	3772945.783	351.61
LOCATION L0011859	VOLUME	443230.075	3772945.819	351.69
LOCATION L0011860	VOLUME	443221.475	3772945.855	351.77
LOCATION L0011861	VOLUME	443212.875	3772945.891	351.86
LOCATION L0011862	VOLUME	443204.275	3772945.927	351.95
LOCATION L0011863	VOLUME	443195.675	3772945.963	352.12
LOCATION L0011864	VOLUME	443187.075	3772946.000	352.29
LOCATION L0011865	VOLUME	443178.475	3772946.036	352.45
LOCATION L0011866	VOLUME	443169.876	3772946.072	352.56
LOCATION L0011867	VOLUME	443161.276	3772946.108	352.68
LOCATION L0011868	VOLUME	443152.676	3772946.144	352.80
LOCATION L0011869	VOLUME	443144.076	3772946.180	352.89
LOCATION L0011870	VOLUME	443135.476	3772946.216	352.99
LOCATION L0011871	VOLUME	443126.876	3772946.252	353.10
LOCATION L0011872	VOLUME	443118.276	3772946.288	353.24
LOCATION L0011873	VOLUME	443109.676	3772946.325	353.39
LOCATION L0011874	VOLUME	443101.076	3772946.361	353.54
LOCATION L0011875	VOLUME	443092.476	3772946.397	353.68
LOCATION L0011876	VOLUME	443083.876	3772946.433	353.83
LOCATION L0011877	VOLUME	443075.276	3772946.469	353.97
LOCATION L0011878	VOLUME	443066.676	3772946.505	354.12
LOCATION L0011879	VOLUME	443058.076	3772946.541	354.26
LOCATION L0011880	VOLUME	443049.477	3772946.577	354.40
LOCATION L0011881	VOLUME	443040.877	3772946.613	354.50
LOCATION L0011882	VOLUME	443032.277	3772946.650	354.61
LOCATION L0011883	VOLUME	443023.677	3772946.686	354.75

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LOCATION L0011884	VOLUME	443015.077	3772946.722	354.96
LOCATION L0011885	VOLUME	443006.477	3772946.758	355.17
LOCATION L0011886	VOLUME	442997.877	3772946.794	355.36
LOCATION L0011887	VOLUME	442989.277	3772946.830	355.48
LOCATION L0011888	VOLUME	442980.677	3772946.866	355.60
LOCATION L0011889	VOLUME	442972.077	3772946.902	355.71
LOCATION L0011890	VOLUME	442963.477	3772946.938	355.80
LOCATION L0011891	VOLUME	442954.877	3772946.975	355.89
LOCATION L0011892	VOLUME	442946.277	3772947.011	355.98
LOCATION L0011893	VOLUME	442937.678	3772947.047	356.06
LOCATION L0011894	VOLUME	442929.078	3772947.083	356.15
LOCATION L0011895	VOLUME	442920.478	3772947.119	356.24
LOCATION L0011896	VOLUME	442911.878	3772947.155	356.34
LOCATION L0011897	VOLUME	442903.278	3772947.191	356.44
LOCATION L0011898	VOLUME	442894.678	3772947.227	356.54
LOCATION L0011899	VOLUME	442886.078	3772947.263	356.65
LOCATION L0011900	VOLUME	442877.478	3772947.300	356.76
LOCATION L0011901	VOLUME	442868.878	3772947.336	356.85
LOCATION L0011902	VOLUME	442860.278	3772947.372	356.93
LOCATION L0011903	VOLUME	442851.678	3772947.408	357.02
LOCATION L0011904	VOLUME	442843.078	3772947.444	357.09
LOCATION L0011905	VOLUME	442834.478	3772947.480	357.16
LOCATION L0011906	VOLUME	442825.879	3772947.516	357.22
LOCATION L0011907	VOLUME	442817.279	3772947.552	357.32
LOCATION L0011908	VOLUME	442808.679	3772947.588	357.46
LOCATION L0011909	VOLUME	442800.079	3772947.624	357.61
LOCATION L0011910	VOLUME	442791.479	3772947.661	357.74
LOCATION L0011911	VOLUME	442782.879	3772947.697	357.86
LOCATION L0011912	VOLUME	442774.279	3772947.733	357.99
LOCATION L0011913	VOLUME	442765.679	3772947.769	358.12
LOCATION L0011914	VOLUME	442757.079	3772947.805	358.26
LOCATION L0011915	VOLUME	442748.479	3772947.841	358.40
LOCATION L0011916	VOLUME	442739.879	3772947.877	358.53
LOCATION L0011917	VOLUME	442731.279	3772947.913	358.66
LOCATION L0011918	VOLUME	442722.679	3772947.949	358.79
LOCATION L0011919	VOLUME	442714.080	3772947.986	358.87
LOCATION L0011920	VOLUME	442705.480	3772948.022	358.92
LOCATION L0011921	VOLUME	442696.880	3772948.058	358.96
LOCATION L0011922	VOLUME	442688.280	3772948.094	359.03
LOCATION L0011923	VOLUME	442679.680	3772948.130	359.10
LOCATION L0011924	VOLUME	442671.080	3772948.166	359.17
LOCATION L0011925	VOLUME	442662.480	3772948.202	359.27
LOCATION L0011926	VOLUME	442653.880	3772948.238	359.39
LOCATION L0011927	VOLUME	442645.280	3772948.274	359.51
LOCATION L0011928	VOLUME	442636.680	3772948.311	359.63
LOCATION L0011929	VOLUME	442628.080	3772948.347	359.75
LOCATION L0011930	VOLUME	442619.480	3772948.383	359.86
LOCATION L0011931	VOLUME	442610.880	3772948.419	359.93

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LOCATION L0011932	VOLUME	442602.281	3772948.455	359.96
LOCATION L0011933	VOLUME	442593.681	3772948.491	359.99
LOCATION L0011934	VOLUME	442585.081	3772948.527	360.02
LOCATION L0011935	VOLUME	442576.481	3772948.563	360.06
LOCATION L0011936	VOLUME	442567.881	3772948.599	360.09
LOCATION L0011937	VOLUME	442559.281	3772948.636	360.20
LOCATION L0011938	VOLUME	442550.681	3772948.672	360.33
LOCATION L0011939	VOLUME	442542.081	3772948.708	360.47
LOCATION L0011940	VOLUME	442533.481	3772948.744	360.59
LOCATION L0011941	VOLUME	442524.881	3772948.780	360.69
LOCATION L0011942	VOLUME	442516.281	3772948.816	360.80
LOCATION L0011943	VOLUME	442507.681	3772948.852	360.85
LOCATION L0011944	VOLUME	442499.081	3772948.888	360.87
LOCATION L0011945	VOLUME	442490.482	3772948.924	360.90

\*\* End of LINE VOLUME Source ID = SLINE4

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE5

\*\* DESCRSRC On-Site Truck

\*\* PREFIX

\*\* Length of Side = 8.60

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.000171

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 22

** 442832.284,	3772802.858,	353.79,	3.11,	4.00
** 442869.110,	3772802.858,	353.19,	3.11,	4.00
** 442870.133,	3772828.347,	353.79,	3.11,	4.00
** 443018.126,	3772824.227,	351.31,	3.11,	4.00
** 443019.062,	3772661.803,	348.41,	3.11,	4.00
** 443059.979,	3772662.407,	347.71,	3.11,	4.00
** 443055.865,	3772690.644,	348.03,	3.11,	4.00
** 443057.243,	3772725.978,	348.60,	3.11,	4.00
** 443057.329,	3772720.579,	348.43,	3.11,	4.00
** 443217.182,	3772719.944,	347.75,	3.11,	4.00
** 443216.303,	3772659.179,	346.86,	3.11,	4.00
** 443242.665,	3772660.177,	346.19,	3.11,	4.00
** 443241.457,	3772932.771,	351.39,	3.11,	4.00
** 443251.412,	3772932.467,	351.20,	3.11,	4.00
** 443249.641,	3772878.555,	350.04,	3.11,	4.00
** 443495.145,	3772878.555,	346.84,	3.11,	4.00
** 443582.600,	3772760.164,	343.70,	3.11,	4.00
** 443587.687,	3772635.423,	342.35,	3.11,	4.00
** 443266.402,	3772632.348,	345.37,	3.11,	4.00
** 442855.812,	3772631.325,	350.05,	3.11,	4.00
** 442857.857,	3772666.808,	350.56,	3.11,	4.00
** 442832.284,	3772664.762,	350.84,	3.11,	4.00

9th\_and\_Vineyard.ADO

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LOCATION L0011946      VOLUME  442836.584 3772802.858 353.70
LOCATION L0011947      VOLUME  442845.184 3772802.858 353.58
LOCATION L0011948      VOLUME  442853.784 3772802.858 353.41
LOCATION L0011949      VOLUME  442862.384 3772802.858 353.23
LOCATION L0011950      VOLUME  442869.185 3772804.731 353.15
LOCATION L0011951      VOLUME  442869.530 3772813.324 353.38
LOCATION L0011952      VOLUME  442869.875 3772821.917 353.61
LOCATION L0011953      VOLUME  442872.297 3772828.287 353.75
LOCATION L0011954      VOLUME  442880.894 3772828.047 353.61
LOCATION L0011955      VOLUME  442889.490 3772827.808 353.48
LOCATION L0011956      VOLUME  442898.087 3772827.569 353.35
LOCATION L0011957      VOLUME  442906.684 3772827.329 353.27
LOCATION L0011958      VOLUME  442915.280 3772827.090 353.20
LOCATION L0011959      VOLUME  442923.877 3772826.851 353.13
LOCATION L0011960      VOLUME  442932.474 3772826.611 353.08
LOCATION L0011961      VOLUME  442941.070 3772826.372 353.04
LOCATION L0011962      VOLUME  442949.667 3772826.133 352.98
LOCATION L0011963      VOLUME  442958.264 3772825.893 352.91
LOCATION L0011964      VOLUME  442966.860 3772825.654 352.83
LOCATION L0011965      VOLUME  442975.457 3772825.415 352.74
LOCATION L0011966      VOLUME  442984.054 3772825.175 352.63
LOCATION L0011967      VOLUME  442992.650 3772824.936 352.52
LOCATION L0011968      VOLUME  443001.247 3772824.697 352.36
LOCATION L0011969      VOLUME  443009.844 3772824.457 352.00
LOCATION L0011970      VOLUME  443018.128 3772823.913 351.65
LOCATION L0011971      VOLUME  443018.178 3772815.313 351.46
LOCATION L0011972      VOLUME  443018.227 3772806.713 351.29
LOCATION L0011973      VOLUME  443018.277 3772798.113 351.12
LOCATION L0011974      VOLUME  443018.326 3772789.513 350.96
LOCATION L0011975      VOLUME  443018.376 3772780.913 350.79
LOCATION L0011976      VOLUME  443018.425 3772772.313 350.63
LOCATION L0011977      VOLUME  443018.475 3772763.714 350.46
LOCATION L0011978      VOLUME  443018.524 3772755.114 350.30
LOCATION L0011979      VOLUME  443018.574 3772746.514 349.99
LOCATION L0011980      VOLUME  443018.623 3772737.914 349.66
LOCATION L0011981      VOLUME  443018.673 3772729.314 349.32
LOCATION L0011982      VOLUME  443018.722 3772720.714 349.04
LOCATION L0011983      VOLUME  443018.772 3772712.114 348.88
LOCATION L0011984      VOLUME  443018.822 3772703.515 348.73
LOCATION L0011985      VOLUME  443018.871 3772694.915 348.58
LOCATION L0011986      VOLUME  443018.921 3772686.315 348.51
LOCATION L0011987      VOLUME  443018.970 3772677.715 348.49
LOCATION L0011988      VOLUME  443019.020 3772669.115 348.47
LOCATION L0011989      VOLUME  443020.350 3772661.822 348.45
LOCATION L0011990      VOLUME  443028.949 3772661.949 348.33
LOCATION L0011991      VOLUME  443037.548 3772662.076 348.18
LOCATION L0011992      VOLUME  443046.147 3772662.203 348.02

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LOCATION L0011995	VOLUME	443058.254	3772674.249	347.76
LOCATION L0011996	VOLUME	443057.014	3772682.759	347.84
LOCATION L0011997	VOLUME	443055.889	3772691.275	347.92
LOCATION L0011998	VOLUME	443056.225	3772699.868	348.05
LOCATION L0011999	VOLUME	443056.560	3772708.462	348.18
LOCATION L0012000	VOLUME	443056.895	3772717.055	348.32
LOCATION L0012001	VOLUME	443057.230	3772725.649	348.53
LOCATION L0012002	VOLUME	443060.199	3772720.568	348.33
LOCATION L0012003	VOLUME	443068.799	3772720.534	348.20
LOCATION L0012004	VOLUME	443077.399	3772720.499	348.08
LOCATION L0012005	VOLUME	443085.999	3772720.465	348.04
LOCATION L0012006	VOLUME	443094.599	3772720.431	347.99
LOCATION L0012007	VOLUME	443103.199	3772720.397	347.96
LOCATION L0012008	VOLUME	443111.799	3772720.363	347.98
LOCATION L0012009	VOLUME	443120.399	3772720.329	348.00
LOCATION L0012010	VOLUME	443128.999	3772720.294	348.03
LOCATION L0012011	VOLUME	443137.599	3772720.260	348.05
LOCATION L0012012	VOLUME	443146.199	3772720.226	348.07
LOCATION L0012013	VOLUME	443154.799	3772720.192	348.09
LOCATION L0012014	VOLUME	443163.399	3772720.158	348.08
LOCATION L0012015	VOLUME	443171.999	3772720.124	348.07
LOCATION L0012016	VOLUME	443180.599	3772720.089	348.06
LOCATION L0012017	VOLUME	443189.198	3772720.055	348.03
LOCATION L0012018	VOLUME	443197.798	3772720.021	348.00
LOCATION L0012019	VOLUME	443206.398	3772719.987	347.94
LOCATION L0012020	VOLUME	443214.998	3772719.953	347.77
LOCATION L0012021	VOLUME	443217.089	3772713.529	347.61
LOCATION L0012022	VOLUME	443216.965	3772704.930	347.44
LOCATION L0012023	VOLUME	443216.840	3772696.330	347.28
LOCATION L0012024	VOLUME	443216.716	3772687.731	347.14
LOCATION L0012025	VOLUME	443216.592	3772679.132	347.05
LOCATION L0012026	VOLUME	443216.467	3772670.533	346.95
LOCATION L0012027	VOLUME	443216.343	3772661.934	346.86
LOCATION L0012028	VOLUME	443222.143	3772659.400	346.68
LOCATION L0012029	VOLUME	443230.737	3772659.725	346.47
LOCATION L0012030	VOLUME	443239.331	3772660.050	346.27
LOCATION L0012031	VOLUME	443242.642	3772665.440	346.26
LOCATION L0012032	VOLUME	443242.603	3772674.040	346.39
LOCATION L0012033	VOLUME	443242.565	3772682.640	346.52
LOCATION L0012034	VOLUME	443242.527	3772691.240	346.65
LOCATION L0012035	VOLUME	443242.489	3772699.840	346.82
LOCATION L0012036	VOLUME	443242.451	3772708.440	346.99
LOCATION L0012037	VOLUME	443242.413	3772717.040	347.16
LOCATION L0012038	VOLUME	443242.375	3772725.640	347.32
LOCATION L0012039	VOLUME	443242.337	3772734.240	347.48
LOCATION L0012040	VOLUME	443242.299	3772742.840	347.64

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LOCATION L0012041	VOLUME	443242.261	3772751.439	347.79
LOCATION L0012042	VOLUME	443242.222	3772760.039	347.94
LOCATION L0012043	VOLUME	443242.184	3772768.639	348.09
LOCATION L0012044	VOLUME	443242.146	3772777.239	348.24
LOCATION L0012045	VOLUME	443242.108	3772785.839	348.39
LOCATION L0012046	VOLUME	443242.070	3772794.439	348.54
LOCATION L0012047	VOLUME	443242.032	3772803.039	348.70
LOCATION L0012048	VOLUME	443241.994	3772811.639	348.85
LOCATION L0012049	VOLUME	443241.956	3772820.239	349.03
LOCATION L0012050	VOLUME	443241.918	3772828.839	349.21
LOCATION L0012051	VOLUME	443241.880	3772837.439	349.40
LOCATION L0012052	VOLUME	443241.841	3772846.039	349.58
LOCATION L0012053	VOLUME	443241.803	3772854.638	349.77
LOCATION L0012054	VOLUME	443241.765	3772863.238	349.97
LOCATION L0012055	VOLUME	443241.727	3772871.838	350.16
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LOCATION L0012057	VOLUME	443241.651	3772889.038	350.47
LOCATION L0012058	VOLUME	443241.613	3772897.638	350.62
LOCATION L0012059	VOLUME	443241.575	3772906.238	350.77
LOCATION L0012060	VOLUME	443241.537	3772914.838	350.94
LOCATION L0012061	VOLUME	443241.499	3772923.438	351.12
LOCATION L0012062	VOLUME	443241.461	3772932.038	351.29
LOCATION L0012063	VOLUME	443249.321	3772932.531	351.21
LOCATION L0012064	VOLUME	443251.198	3772925.963	351.04
LOCATION L0012065	VOLUME	443250.916	3772917.367	350.86
LOCATION L0012066	VOLUME	443250.633	3772908.772	350.67
LOCATION L0012067	VOLUME	443250.351	3772900.177	350.50
LOCATION L0012068	VOLUME	443250.069	3772891.581	350.35
LOCATION L0012069	VOLUME	443249.786	3772882.986	350.19
LOCATION L0012070	VOLUME	443253.808	3772878.555	350.02
LOCATION L0012071	VOLUME	443262.408	3772878.555	349.89
LOCATION L0012072	VOLUME	443271.008	3772878.555	349.78
LOCATION L0012073	VOLUME	443279.608	3772878.555	349.66
LOCATION L0012074	VOLUME	443288.208	3772878.555	349.55
LOCATION L0012075	VOLUME	443296.808	3772878.555	349.44
LOCATION L0012076	VOLUME	443305.408	3772878.555	349.33
LOCATION L0012077	VOLUME	443314.008	3772878.555	349.21
LOCATION L0012078	VOLUME	443322.608	3772878.555	349.08
LOCATION L0012079	VOLUME	443331.208	3772878.555	348.96
LOCATION L0012080	VOLUME	443339.808	3772878.555	348.80
LOCATION L0012081	VOLUME	443348.408	3772878.555	348.63
LOCATION L0012082	VOLUME	443357.008	3772878.555	348.47
LOCATION L0012083	VOLUME	443365.608	3772878.555	348.29
LOCATION L0012084	VOLUME	443374.208	3772878.555	348.12
LOCATION L0012085	VOLUME	443382.808	3772878.555	347.94
LOCATION L0012086	VOLUME	443391.408	3772878.555	347.82
LOCATION L0012087	VOLUME	443400.008	3772878.555	347.71
LOCATION L0012088	VOLUME	443408.608	3772878.555	347.59

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LOCATION L0012089	VOLUME	443417.208	3772878.555	347.55
LOCATION L0012090	VOLUME	443425.808	3772878.555	347.51
LOCATION L0012091	VOLUME	443434.408	3772878.555	347.48
LOCATION L0012092	VOLUME	443443.008	3772878.555	347.39
LOCATION L0012093	VOLUME	443451.608	3772878.555	347.30
LOCATION L0012094	VOLUME	443460.208	3772878.555	347.20
LOCATION L0012095	VOLUME	443468.808	3772878.555	347.09
LOCATION L0012096	VOLUME	443477.408	3772878.555	346.98
LOCATION L0012097	VOLUME	443486.008	3772878.555	346.87
LOCATION L0012098	VOLUME	443494.608	3772878.555	346.67
LOCATION L0012099	VOLUME	443499.935	3772872.070	346.47
LOCATION L0012100	VOLUME	443505.045	3772865.152	346.34
LOCATION L0012101	VOLUME	443510.155	3772858.235	346.23
LOCATION L0012102	VOLUME	443515.265	3772851.318	346.02
LOCATION L0012103	VOLUME	443520.375	3772844.400	345.79
LOCATION L0012104	VOLUME	443525.485	3772837.483	345.56
LOCATION L0012105	VOLUME	443530.594	3772830.566	345.38
LOCATION L0012106	VOLUME	443535.704	3772823.648	345.26
LOCATION L0012107	VOLUME	443540.814	3772816.731	345.10
LOCATION L0012108	VOLUME	443545.924	3772809.814	344.87
LOCATION L0012109	VOLUME	443551.034	3772802.896	344.63
LOCATION L0012110	VOLUME	443556.144	3772795.979	344.47
LOCATION L0012111	VOLUME	443561.253	3772789.062	344.39
LOCATION L0012112	VOLUME	443566.363	3772782.144	344.30
LOCATION L0012113	VOLUME	443571.473	3772775.227	344.03
LOCATION L0012114	VOLUME	443576.583	3772768.310	343.83
LOCATION L0012115	VOLUME	443581.693	3772761.392	343.72
LOCATION L0012116	VOLUME	443582.888	3772753.097	343.77
LOCATION L0012117	VOLUME	443583.239	3772744.504	343.70
LOCATION L0012118	VOLUME	443583.589	3772735.911	343.55
LOCATION L0012119	VOLUME	443583.940	3772727.318	343.40
LOCATION L0012120	VOLUME	443584.290	3772718.726	343.26
LOCATION L0012121	VOLUME	443584.640	3772710.133	343.14
LOCATION L0012122	VOLUME	443584.991	3772701.540	343.03
LOCATION L0012123	VOLUME	443585.341	3772692.947	342.92
LOCATION L0012124	VOLUME	443585.692	3772684.354	342.84
LOCATION L0012125	VOLUME	443586.042	3772675.761	342.79
LOCATION L0012126	VOLUME	443586.392	3772667.168	342.74
LOCATION L0012127	VOLUME	443586.743	3772658.576	342.69
LOCATION L0012128	VOLUME	443587.093	3772649.983	342.59
LOCATION L0012129	VOLUME	443587.444	3772641.390	342.49
LOCATION L0012130	VOLUME	443585.059	3772635.398	342.43
LOCATION L0012131	VOLUME	443576.459	3772635.315	342.46
LOCATION L0012132	VOLUME	443567.860	3772635.233	342.50
LOCATION L0012133	VOLUME	443559.260	3772635.151	342.53
LOCATION L0012134	VOLUME	443550.661	3772635.069	342.55
LOCATION L0012135	VOLUME	443542.061	3772634.986	342.58
LOCATION L0012136	VOLUME	443533.461	3772634.904	342.62



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LOCATION L0012137	VOLUME	443524.862	3772634.822	342.70
LOCATION L0012138	VOLUME	443516.262	3772634.739	342.78
LOCATION L0012139	VOLUME	443507.663	3772634.657	342.86
LOCATION L0012140	VOLUME	443499.063	3772634.575	342.96
LOCATION L0012141	VOLUME	443490.463	3772634.492	343.07
LOCATION L0012142	VOLUME	443481.864	3772634.410	343.15
LOCATION L0012143	VOLUME	443473.264	3772634.328	343.21
LOCATION L0012144	VOLUME	443464.665	3772634.245	343.27
LOCATION L0012145	VOLUME	443456.065	3772634.163	343.33
LOCATION L0012146	VOLUME	443447.465	3772634.081	343.40
LOCATION L0012147	VOLUME	443438.866	3772633.999	343.47
LOCATION L0012148	VOLUME	443430.266	3772633.916	343.60
LOCATION L0012149	VOLUME	443421.667	3772633.834	343.81
LOCATION L0012150	VOLUME	443413.067	3772633.752	344.02
LOCATION L0012151	VOLUME	443404.467	3772633.669	344.17
LOCATION L0012152	VOLUME	443395.868	3772633.587	344.25
LOCATION L0012153	VOLUME	443387.268	3772633.505	344.33
LOCATION L0012154	VOLUME	443378.668	3772633.422	344.39
LOCATION L0012155	VOLUME	443370.069	3772633.340	344.43
LOCATION L0012156	VOLUME	443361.469	3772633.258	344.46
LOCATION L0012157	VOLUME	443352.870	3772633.175	344.52
LOCATION L0012158	VOLUME	443344.270	3772633.093	344.58
LOCATION L0012159	VOLUME	443335.670	3772633.011	344.65
LOCATION L0012160	VOLUME	443327.071	3772632.929	344.74
LOCATION L0012161	VOLUME	443318.471	3772632.846	344.84
LOCATION L0012162	VOLUME	443309.872	3772632.764	344.94
LOCATION L0012163	VOLUME	443301.272	3772632.682	345.03
LOCATION L0012164	VOLUME	443292.672	3772632.599	345.11
LOCATION L0012165	VOLUME	443284.073	3772632.517	345.19
LOCATION L0012166	VOLUME	443275.473	3772632.435	345.26
LOCATION L0012167	VOLUME	443266.874	3772632.352	345.32
LOCATION L0012168	VOLUME	443258.274	3772632.270	345.39
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LOCATION L0012170	VOLUME	443241.074	3772632.105	345.65
LOCATION L0012171	VOLUME	443232.474	3772632.023	345.79
LOCATION L0012172	VOLUME	443223.874	3772631.941	346.04
LOCATION L0012173	VOLUME	443215.274	3772631.859	346.34
LOCATION L0012174	VOLUME	443206.674	3772631.777	346.64
LOCATION L0012175	VOLUME	443198.074	3772631.695	346.89
LOCATION L0012176	VOLUME	443189.474	3772631.613	347.11
LOCATION L0012177	VOLUME	443180.874	3772631.531	347.33
LOCATION L0012178	VOLUME	443172.274	3772631.449	347.44
LOCATION L0012179	VOLUME	443163.674	3772631.367	347.48
LOCATION L0012180	VOLUME	443155.074	3772631.285	347.52
LOCATION L0012181	VOLUME	443146.474	3772631.203	347.50
LOCATION L0012182	VOLUME	443137.874	3772631.121	347.46
LOCATION L0012183	VOLUME	443129.274	3772631.039	347.42
LOCATION L0012184	VOLUME	443120.674	3772630.957	347.29

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LOCATION L0012185	VOLUME	443112.074	3772631.963	347.13
LOCATION L0012186	VOLUME	443103.474	3772631.942	346.97
LOCATION L0012187	VOLUME	443094.874	3772631.921	346.93
LOCATION L0012188	VOLUME	443086.274	3772631.899	346.93
LOCATION L0012189	VOLUME	443077.674	3772631.878	346.92
LOCATION L0012190	VOLUME	443069.074	3772631.856	347.10
LOCATION L0012191	VOLUME	443060.474	3772631.835	347.35
LOCATION L0012192	VOLUME	443051.874	3772631.813	347.59
LOCATION L0012193	VOLUME	443043.274	3772631.792	347.79
LOCATION L0012194	VOLUME	443034.674	3772631.771	347.96
LOCATION L0012195	VOLUME	443026.074	3772631.749	348.14
LOCATION L0012196	VOLUME	443017.474	3772631.728	348.22
LOCATION L0012197	VOLUME	443008.874	3772631.706	348.28
LOCATION L0012198	VOLUME	443000.274	3772631.685	348.33
LOCATION L0012199	VOLUME	442991.674	3772631.663	348.39
LOCATION L0012200	VOLUME	442983.074	3772631.642	348.46
LOCATION L0012201	VOLUME	442974.475	3772631.621	348.52
LOCATION L0012202	VOLUME	442965.875	3772631.599	348.63
LOCATION L0012203	VOLUME	442957.275	3772631.578	348.74
LOCATION L0012204	VOLUME	442948.675	3772631.556	348.86
LOCATION L0012205	VOLUME	442940.075	3772631.535	348.97
LOCATION L0012206	VOLUME	442931.475	3772631.513	349.08
LOCATION L0012207	VOLUME	442922.875	3772631.492	349.19
LOCATION L0012208	VOLUME	442914.275	3772631.471	349.29
LOCATION L0012209	VOLUME	442905.675	3772631.449	349.39
LOCATION L0012210	VOLUME	442897.075	3772631.428	349.49
LOCATION L0012211	VOLUME	442888.475	3772631.406	349.62
LOCATION L0012212	VOLUME	442879.875	3772631.385	349.74
LOCATION L0012213	VOLUME	442871.275	3772631.364	349.87
LOCATION L0012214	VOLUME	442862.675	3772631.342	350.00
LOCATION L0012215	VOLUME	442855.912	3772633.059	350.13
LOCATION L0012216	VOLUME	442856.407	3772641.645	350.28
LOCATION L0012217	VOLUME	442856.902	3772650.230	350.42
LOCATION L0012218	VOLUME	442857.397	3772658.816	350.57
LOCATION L0012219	VOLUME	442857.265	3772666.761	350.71
LOCATION L0012220	VOLUME	442848.692	3772666.075	350.80
LOCATION L0012221	VOLUME	442840.120	3772665.389	350.88

\*\* End of LINE VOLUME Source ID = SLINE5

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE6

\*\* DESCRSRC Loading Area 4

\*\* PREFIX

\*\* Length of Side = 8.60

\*\* Configuration = Adjacent

\*\* Emission Rate = 6.23E-07

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

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```
** Nodes = 2
** 442988.793, 3772787.514, 351.38, 3.11, 4.00
** 442986.747, 3772678.060, 348.76, 3.11, 4.00
** -----
LOCATION L0012222    VOLUME  442988.713 3772783.215 351.34
LOCATION L0012223    VOLUME  442988.552 3772774.616 351.13
LOCATION L0012224    VOLUME  442988.391 3772766.018 350.92
LOCATION L0012225    VOLUME  442988.230 3772757.419 350.71
LOCATION L0012226    VOLUME  442988.070 3772748.821 350.43
LOCATION L0012227    VOLUME  442987.909 3772740.222 350.12
LOCATION L0012228    VOLUME  442987.748 3772731.624 349.81
LOCATION L0012229    VOLUME  442987.587 3772723.025 349.50
LOCATION L0012230    VOLUME  442987.427 3772714.427 349.32
LOCATION L0012231    VOLUME  442987.266 3772705.828 349.14
LOCATION L0012232    VOLUME  442987.105 3772697.230 348.96
LOCATION L0012233    VOLUME  442986.945 3772688.631 348.84
LOCATION L0012234    VOLUME  442986.784 3772680.033 348.79
```

\*\* End of LINE VOLUME Source ID = SLINE6

```
** -----
** Line Source Represented by Adjacent Volume Sources
```

\*\* LINE VOLUME Source ID = SLINE7

\*\* DESCRSRC Loading Area 3

\*\* PREFIX

\*\* Length of Side = 8.60

\*\* Configuration = Adjacent

\*\* Emission Rate = 2.89E-07

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 2

\*\* 443083.531, 3772653.276, 347.11, 3.11, 4.00

\*\* 443184.802, 3772655.321, 347.45, 3.11, 4.00

```
** -----
LOCATION L0012235    VOLUME  443087.831 3772653.362 347.08
LOCATION L0012236    VOLUME  443096.429 3772653.536 347.09
LOCATION L0012237    VOLUME  443105.027 3772653.710 347.16
LOCATION L0012238    VOLUME  443113.625 3772653.884 347.31
LOCATION L0012239    VOLUME  443122.223 3772654.057 347.46
LOCATION L0012240    VOLUME  443130.822 3772654.231 347.55
LOCATION L0012241    VOLUME  443139.420 3772654.405 347.57
LOCATION L0012242    VOLUME  443148.018 3772654.578 347.59
LOCATION L0012243    VOLUME  443156.616 3772654.752 347.58
LOCATION L0012244    VOLUME  443165.215 3772654.926 347.54
LOCATION L0012245    VOLUME  443173.813 3772655.099 347.50
LOCATION L0012246    VOLUME  443182.411 3772655.273 347.42
```

\*\* End of LINE VOLUME Source ID = SLINE7

```
** -----
** Line Source Represented by Adjacent Volume Sources
```

\*\* LINE VOLUME Source ID = SLINE8

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```

** DESCRSRC Loading Area 1
** PREFIX
** Length of Side = 8.60
** Configuration = Adjacent
** Emission Rate = 1.05E-06
** Vertical Dimension = 6.22
** SZINIT = 2.89
** Nodes = 2
** 443301.810, 3772854.005, 348.78, 3.11, 4.00
** 443476.732, 3772855.028, 346.65, 3.11, 4.00

```

```

** -----
LOCATION L0012247      VOLUME  443306.110 3772854.030 348.86
LOCATION L0012248      VOLUME  443314.710 3772854.080 348.76
LOCATION L0012249      VOLUME  443323.310 3772854.131 348.65
LOCATION L0012250      VOLUME  443331.910 3772854.181 348.55
LOCATION L0012251      VOLUME  443340.510 3772854.231 348.40
LOCATION L0012252      VOLUME  443349.109 3772854.281 348.24
LOCATION L0012253      VOLUME  443357.709 3772854.332 348.09
LOCATION L0012254      VOLUME  443366.309 3772854.382 347.91
LOCATION L0012255      VOLUME  443374.909 3772854.432 347.73
LOCATION L0012256      VOLUME  443383.509 3772854.483 347.54
LOCATION L0012257      VOLUME  443392.109 3772854.533 347.41
LOCATION L0012258      VOLUME  443400.709 3772854.583 347.29
LOCATION L0012259      VOLUME  443409.308 3772854.634 347.17
LOCATION L0012260      VOLUME  443417.908 3772854.684 347.12
LOCATION L0012261      VOLUME  443426.508 3772854.734 347.08
LOCATION L0012262      VOLUME  443435.108 3772854.784 347.04
LOCATION L0012263      VOLUME  443443.708 3772854.835 346.99
LOCATION L0012264      VOLUME  443452.308 3772854.885 346.92
LOCATION L0012265      VOLUME  443460.908 3772854.935 346.86
LOCATION L0012266      VOLUME  443469.507 3772854.986 346.77

```

\*\* End of LINE VOLUME Source ID = SLINE8

```

** -----

```

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE9

\*\* DESCRSRC Loading Area 2

\*\* PREFIX

\*\* Length of Side = 8.60

\*\* Configuration = Adjacent

\*\* Emission Rate = 1.18E-06

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 2

\*\* 443306.925, 3772672.896, 345.16, 3.11, 4.00

\*\* 443506.397, 3772671.873, 342.82, 3.11, 4.00

```

** -----

```

```

LOCATION L0012267      VOLUME  443311.225 3772672.874 345.40
LOCATION L0012268      VOLUME  443319.825 3772672.830 345.32

```

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LOCATION	VOLUME			
L0012269	443328.425	3772672.786	345.24	
L0012270	443337.025	3772672.742	345.20	
L0012271	443345.624	3772672.697	345.19	
L0012272	443354.224	3772672.653	345.19	
L0012273	443362.824	3772672.609	345.16	
L0012274	443371.424	3772672.565	345.11	
L0012275	443380.024	3772672.521	345.06	
L0012276	443388.624	3772672.477	344.94	
L0012277	443397.224	3772672.433	344.76	
L0012278	443405.824	3772672.389	344.59	
L0012279	443414.424	3772672.345	344.25	
L0012280	443423.023	3772672.301	343.82	
L0012281	443431.623	3772672.256	343.39	
L0012282	443440.223	3772672.212	343.21	
L0012283	443448.823	3772672.168	343.14	
L0012284	443457.423	3772672.124	343.07	
L0012285	443466.023	3772672.080	343.05	
L0012286	443474.623	3772672.036	343.05	
L0012287	443483.223	3772671.992	343.05	
L0012288	443491.823	3772671.948	343.02	
L0012289	443500.422	3772671.904	342.99	

\*\* End of LINE VOLUME Source ID = SLINE9

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE10

\*\* DESCRSRC Vineyard 1

\*\* PREFIX

\*\* Length of Side = 8.60

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.0000254

\*\* Vertical Dimension = 6.22

\*\* SZINIT = 2.89

\*\* Nodes = 2

\*\* 443628.415, 3772946.110, 347.00, 3.11, 4.00

\*\* 443631.568, 3772697.040, 343.40, 3.11, 4.00

\*\*

LOCATION	VOLUME			
L0011473	443628.469	3772941.811	347.26	
L0011474	443628.578	3772933.211	347.00	
L0011475	443628.687	3772924.612	346.74	
L0011476	443628.796	3772916.013	346.48	
L0011477	443628.905	3772907.413	346.22	
L0011478	443629.014	3772898.814	346.00	
L0011479	443629.123	3772890.215	345.80	
L0011480	443629.231	3772881.615	345.60	
L0011481	443629.340	3772873.016	345.40	
L0011482	443629.449	3772864.417	345.26	
L0011483	443629.558	3772855.817	345.12	
L0011484	443629.667	3772847.218	344.98	

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LOCATION L0011485	VOLUME	443629.776	3772838.619	344.86
LOCATION L0011486	VOLUME	443629.884	3772830.020	344.77
LOCATION L0011487	VOLUME	443629.993	3772821.420	344.67
LOCATION L0011488	VOLUME	443630.102	3772812.821	344.58
LOCATION L0011489	VOLUME	443630.211	3772804.222	344.38
LOCATION L0011490	VOLUME	443630.320	3772795.622	344.17
LOCATION L0011491	VOLUME	443630.429	3772787.023	343.97
LOCATION L0011492	VOLUME	443630.538	3772778.424	343.81
LOCATION L0011493	VOLUME	443630.646	3772769.824	343.73
LOCATION L0011494	VOLUME	443630.755	3772761.225	343.64
LOCATION L0011495	VOLUME	443630.864	3772752.626	343.55
LOCATION L0011496	VOLUME	443630.973	3772744.026	343.52
LOCATION L0011497	VOLUME	443631.082	3772735.427	343.52
LOCATION L0011498	VOLUME	443631.191	3772726.828	343.53
LOCATION L0011499	VOLUME	443631.300	3772718.229	343.53
LOCATION L0011500	VOLUME	443631.408	3772709.629	343.51
LOCATION L0011501	VOLUME	443631.517	3772701.030	343.49

\*\* End of LINE VOLUME Source ID = SLINE10

\*\* Source Parameters \*\*

\*\* LINE VOLUME Source ID = SLINE1

SRCPARAM L0011531	0.000005286	3.11	4.00	2.89
SRCPARAM L0011532	0.000005286	3.11	4.00	2.89
SRCPARAM L0011533	0.000005286	3.11	4.00	2.89
SRCPARAM L0011534	0.000005286	3.11	4.00	2.89
SRCPARAM L0011535	0.000005286	3.11	4.00	2.89
SRCPARAM L0011536	0.000005286	3.11	4.00	2.89
SRCPARAM L0011537	0.000005286	3.11	4.00	2.89
SRCPARAM L0011538	0.000005286	3.11	4.00	2.89
SRCPARAM L0011539	0.000005286	3.11	4.00	2.89
SRCPARAM L0011540	0.000005286	3.11	4.00	2.89
SRCPARAM L0011541	0.000005286	3.11	4.00	2.89
SRCPARAM L0011542	0.000005286	3.11	4.00	2.89
SRCPARAM L0011543	0.000005286	3.11	4.00	2.89
SRCPARAM L0011544	0.000005286	3.11	4.00	2.89
SRCPARAM L0011545	0.000005286	3.11	4.00	2.89
SRCPARAM L0011546	0.000005286	3.11	4.00	2.89
SRCPARAM L0011547	0.000005286	3.11	4.00	2.89
SRCPARAM L0011548	0.000005286	3.11	4.00	2.89
SRCPARAM L0011549	0.000005286	3.11	4.00	2.89
SRCPARAM L0011550	0.000005286	3.11	4.00	2.89
SRCPARAM L0011551	0.000005286	3.11	4.00	2.89
SRCPARAM L0011552	0.000005286	3.11	4.00	2.89
SRCPARAM L0011553	0.000005286	3.11	4.00	2.89
SRCPARAM L0011554	0.000005286	3.11	4.00	2.89
SRCPARAM L0011555	0.000005286	3.11	4.00	2.89
SRCPARAM L0011556	0.000005286	3.11	4.00	2.89
SRCPARAM L0011557	0.000005286	3.11	4.00	2.89
SRCPARAM L0011558	0.000005286	3.11	4.00	2.89

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SRCPARAM L0011559	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011560	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011561	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011562	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011563	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011564	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011565	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011566	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011567	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011568	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011569	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011570	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011571	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011572	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011573	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011574	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011575	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011576	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011577	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011578	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011579	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011580	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011581	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011582	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011583	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011584	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011585	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011586	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011587	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011588	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011589	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011590	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011591	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011592	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011593	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011594	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011595	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011596	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011597	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011598	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011599	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011600	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011601	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011602	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011603	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011604	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011605	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011606	0.0000005286	3.11	4.00	2.89

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SRCPARAM L0011607	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011608	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011609	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011610	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011611	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011612	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011613	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011614	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011615	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011616	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011617	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011618	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011619	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011620	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011621	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011622	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011623	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011624	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011625	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011626	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011627	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011628	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011629	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011630	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011631	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011632	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011633	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011634	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011635	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011636	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011637	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011638	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011639	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011640	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011641	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011642	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011643	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011644	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011645	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011646	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011647	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011648	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011649	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011650	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011651	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011652	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011653	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011654	0.0000005286	3.11	4.00	2.89



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SRCPARAM L0011655	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011656	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011657	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011658	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011659	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011660	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011661	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011662	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011663	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011664	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011665	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011666	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011667	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011668	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011669	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011670	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011671	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011672	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011673	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011674	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011675	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011676	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011677	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011678	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011679	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011680	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011681	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011682	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011683	0.0000005286	3.11	4.00	2.89
SRCPARAM L0011684	0.0000005286	3.11	4.00	2.89

\*\*

\*\* LINE VOLUME Source ID = SLINE2

SRCPARAM L0011685	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011686	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011687	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011688	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011689	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011690	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011691	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011692	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011693	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011694	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011695	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011696	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011697	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011698	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011699	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011700	0.0000001977	3.11	4.00	2.89



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SRCPARAM L0011749	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011750	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011751	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011752	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011753	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011754	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011755	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011756	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011757	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011758	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011759	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011760	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011761	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011762	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011763	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011764	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011765	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011766	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011767	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011768	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011769	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011770	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011771	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011772	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011773	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011774	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011775	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011776	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011777	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011778	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011779	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011780	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011781	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011782	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011783	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011784	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011785	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011786	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011787	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011788	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011789	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011790	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011791	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011792	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011793	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011794	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011795	0.0000001977	3.11	4.00	2.89
SRCPARAM L0011796	0.0000001977	3.11	4.00	2.89

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SRCPARAM	L0011797	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011798	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011799	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011800	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011801	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011802	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011803	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011804	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011805	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011806	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011807	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011808	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011809	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011810	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011811	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011812	0.0000001977	3.11	4.00	2.89
SRCPARAM	L0011813	0.0000001977	3.11	4.00	2.89

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\*\* LINE VOLUME Source ID = SLINE4

SRCPARAM	L0011814	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011815	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011816	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011817	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011818	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011819	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011820	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011821	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011822	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011823	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011824	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011825	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011826	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011827	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011828	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011829	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011830	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011831	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011832	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011833	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011834	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011835	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011836	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011837	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011838	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011839	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011840	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011841	0.0000003144	3.11	4.00	2.89
SRCPARAM	L0011842	0.0000003144	3.11	4.00	2.89

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SRCPARAM L0011843	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011844	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011845	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011846	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011847	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011848	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011849	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011850	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011851	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011852	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011853	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011854	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011855	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011856	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011857	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011858	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011859	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011860	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011861	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011862	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011863	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011864	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011865	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011866	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011867	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011868	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011869	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011870	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011871	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011872	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011873	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011874	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011875	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011876	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011877	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011878	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011879	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011880	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011881	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011882	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011883	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011884	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011885	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011886	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011887	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011888	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011889	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011890	0.0000003144	3.11	4.00	2.89

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SRCPARAM L0011891	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011892	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011893	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011894	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011895	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011896	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011897	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011898	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011899	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011900	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011901	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011902	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011903	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011904	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011905	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011906	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011907	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011908	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011909	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011910	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011911	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011912	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011913	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011914	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011915	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011916	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011917	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011918	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011919	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011920	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011921	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011922	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011923	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011924	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011925	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011926	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011927	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011928	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011929	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011930	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011931	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011932	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011933	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011934	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011935	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011936	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011937	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011938	0.0000003144	3.11	4.00	2.89

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SRCPARAM L0011939	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011940	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011941	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011942	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011943	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011944	0.0000003144	3.11	4.00	2.89
SRCPARAM L0011945	0.0000003144	3.11	4.00	2.89

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\*\* LINE VOLUME Source ID = SLINE5

SRCPARAM L0011946	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011947	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011948	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011949	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011950	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011951	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011952	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011953	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011954	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011955	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011956	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011957	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011958	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011959	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011960	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011961	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011962	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011963	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011964	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011965	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011966	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011967	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011968	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011969	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011970	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011971	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011972	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011973	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011974	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011975	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011976	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011977	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011978	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011979	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011980	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011981	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011982	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011983	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011984	0.0000006196	3.11	4.00	2.89

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SRCPARAM L0011985	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011986	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011987	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011988	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011989	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011990	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011991	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011992	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011993	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011994	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011995	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011996	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011997	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011998	0.0000006196	3.11	4.00	2.89
SRCPARAM L0011999	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012000	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012001	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012002	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012003	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012004	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012005	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012006	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012007	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012008	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012009	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012010	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012011	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012012	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012013	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012014	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012015	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012016	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012017	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012018	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012019	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012020	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012021	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012022	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012023	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012024	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012025	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012026	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012027	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012028	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012029	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012030	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012031	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012032	0.0000006196	3.11	4.00	2.89





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SRCPARAM L0012081	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012082	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012083	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012084	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012085	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012086	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012087	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012088	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012089	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012090	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012091	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012092	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012093	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012094	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012095	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012096	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012097	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012098	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012099	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012100	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012101	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012102	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012103	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012104	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012105	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012106	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012107	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012108	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012109	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012110	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012111	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012112	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012113	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012114	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012115	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012116	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012117	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012118	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012119	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012120	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012121	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012122	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012123	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012124	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012125	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012126	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012127	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012128	0.0000006196	3.11	4.00	2.89

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SRCPARAM L0012129	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012130	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012131	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012132	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012133	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012134	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012135	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012136	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012137	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012138	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012139	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012140	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012141	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012142	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012143	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012144	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012145	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012146	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012147	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012148	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012149	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012150	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012151	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012152	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012153	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012154	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012155	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012156	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012157	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012158	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012159	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012160	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012161	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012162	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012163	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012164	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012165	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012166	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012167	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012168	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012169	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012170	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012171	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012172	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012173	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012174	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012175	0.0000006196	3.11	4.00	2.89
SRCPARAM L0012176	0.0000006196	3.11	4.00	2.89

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SRCPARAM	L0012177	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012178	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012179	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012180	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012181	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012182	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012183	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012184	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012185	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012186	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012187	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012188	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012189	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012190	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012191	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012192	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012193	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012194	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012195	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012196	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012197	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012198	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012199	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012200	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012201	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012202	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012203	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012204	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012205	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012206	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012207	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012208	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012209	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012210	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012211	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012212	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012213	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012214	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012215	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012216	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012217	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012218	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012219	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012220	0.0000006196	3.11	4.00	2.89
SRCPARAM	L0012221	0.0000006196	3.11	4.00	2.89

\*\*

\*\* LINE VOLUME Source ID = SLINE6

SRCPARAM	L0012222	0.0000004792	3.11	4.00	2.89
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SRCPARAM	L0012223	0.00000004792	3.11	4.00	2.89
SRCPARAM	L0012224	0.00000004792	3.11	4.00	2.89
SRCPARAM	L0012225	0.00000004792	3.11	4.00	2.89
SRCPARAM	L0012226	0.00000004792	3.11	4.00	2.89
SRCPARAM	L0012227	0.00000004792	3.11	4.00	2.89
SRCPARAM	L0012228	0.00000004792	3.11	4.00	2.89
SRCPARAM	L0012229	0.00000004792	3.11	4.00	2.89
SRCPARAM	L0012230	0.00000004792	3.11	4.00	2.89
SRCPARAM	L0012231	0.00000004792	3.11	4.00	2.89
SRCPARAM	L0012232	0.00000004792	3.11	4.00	2.89
SRCPARAM	L0012233	0.00000004792	3.11	4.00	2.89
SRCPARAM	L0012234	0.00000004792	3.11	4.00	2.89

\*\*

\*\* LINE VOLUME Source ID = SLINE7

SRCPARAM	L0012235	0.00000002408	3.11	4.00	2.89
SRCPARAM	L0012236	0.00000002408	3.11	4.00	2.89
SRCPARAM	L0012237	0.00000002408	3.11	4.00	2.89
SRCPARAM	L0012238	0.00000002408	3.11	4.00	2.89
SRCPARAM	L0012239	0.00000002408	3.11	4.00	2.89
SRCPARAM	L0012240	0.00000002408	3.11	4.00	2.89
SRCPARAM	L0012241	0.00000002408	3.11	4.00	2.89
SRCPARAM	L0012242	0.00000002408	3.11	4.00	2.89
SRCPARAM	L0012243	0.00000002408	3.11	4.00	2.89
SRCPARAM	L0012244	0.00000002408	3.11	4.00	2.89
SRCPARAM	L0012245	0.00000002408	3.11	4.00	2.89
SRCPARAM	L0012246	0.00000002408	3.11	4.00	2.89

\*\*

\*\* LINE VOLUME Source ID = SLINE8

SRCPARAM	L0012247	0.0000000525	3.11	4.00	2.89
SRCPARAM	L0012248	0.0000000525	3.11	4.00	2.89
SRCPARAM	L0012249	0.0000000525	3.11	4.00	2.89
SRCPARAM	L0012250	0.0000000525	3.11	4.00	2.89
SRCPARAM	L0012251	0.0000000525	3.11	4.00	2.89
SRCPARAM	L0012252	0.0000000525	3.11	4.00	2.89
SRCPARAM	L0012253	0.0000000525	3.11	4.00	2.89
SRCPARAM	L0012254	0.0000000525	3.11	4.00	2.89
SRCPARAM	L0012255	0.0000000525	3.11	4.00	2.89
SRCPARAM	L0012256	0.0000000525	3.11	4.00	2.89
SRCPARAM	L0012257	0.0000000525	3.11	4.00	2.89
SRCPARAM	L0012258	0.0000000525	3.11	4.00	2.89
SRCPARAM	L0012259	0.0000000525	3.11	4.00	2.89
SRCPARAM	L0012260	0.0000000525	3.11	4.00	2.89
SRCPARAM	L0012261	0.0000000525	3.11	4.00	2.89
SRCPARAM	L0012262	0.0000000525	3.11	4.00	2.89
SRCPARAM	L0012263	0.0000000525	3.11	4.00	2.89
SRCPARAM	L0012264	0.0000000525	3.11	4.00	2.89
SRCPARAM	L0012265	0.0000000525	3.11	4.00	2.89
SRCPARAM	L0012266	0.0000000525	3.11	4.00	2.89

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\*\* LINE VOLUME Source ID = SLINE9

SRCPARAM	L0012267	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012268	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012269	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012270	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012271	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012272	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012273	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012274	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012275	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012276	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012277	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012278	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012279	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012280	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012281	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012282	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012283	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012284	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012285	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012286	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012287	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012288	0.0000000513	3.11	4.00	2.89
SRCPARAM	L0012289	0.0000000513	3.11	4.00	2.89

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\*\* LINE VOLUME Source ID = SLINE10

SRCPARAM	L0011473	0.0000008759	3.11	4.00	2.89
SRCPARAM	L0011474	0.0000008759	3.11	4.00	2.89
SRCPARAM	L0011475	0.0000008759	3.11	4.00	2.89
SRCPARAM	L0011476	0.0000008759	3.11	4.00	2.89
SRCPARAM	L0011477	0.0000008759	3.11	4.00	2.89
SRCPARAM	L0011478	0.0000008759	3.11	4.00	2.89
SRCPARAM	L0011479	0.0000008759	3.11	4.00	2.89
SRCPARAM	L0011480	0.0000008759	3.11	4.00	2.89
SRCPARAM	L0011481	0.0000008759	3.11	4.00	2.89
SRCPARAM	L0011482	0.0000008759	3.11	4.00	2.89
SRCPARAM	L0011483	0.0000008759	3.11	4.00	2.89
SRCPARAM	L0011484	0.0000008759	3.11	4.00	2.89
SRCPARAM	L0011485	0.0000008759	3.11	4.00	2.89
SRCPARAM	L0011486	0.0000008759	3.11	4.00	2.89
SRCPARAM	L0011487	0.0000008759	3.11	4.00	2.89
SRCPARAM	L0011488	0.0000008759	3.11	4.00	2.89
SRCPARAM	L0011489	0.0000008759	3.11	4.00	2.89
SRCPARAM	L0011490	0.0000008759	3.11	4.00	2.89
SRCPARAM	L0011491	0.0000008759	3.11	4.00	2.89
SRCPARAM	L0011492	0.0000008759	3.11	4.00	2.89
SRCPARAM	L0011493	0.0000008759	3.11	4.00	2.89

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SRCPARAM L0011494	0.0000008759	3.11	4.00	2.89
SRCPARAM L0011495	0.0000008759	3.11	4.00	2.89
SRCPARAM L0011496	0.0000008759	3.11	4.00	2.89
SRCPARAM L0011497	0.0000008759	3.11	4.00	2.89
SRCPARAM L0011498	0.0000008759	3.11	4.00	2.89
SRCPARAM L0011499	0.0000008759	3.11	4.00	2.89
SRCPARAM L0011500	0.0000008759	3.11	4.00	2.89
SRCPARAM L0011501	0.0000008759	3.11	4.00	2.89

\*\* -----

URBANSRC ALL  
SRCGROUP ALL

SO FINISHED

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\*\* AERMOD Receptor Pathway

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RE STARTING  
INCLUDED 9th\_and\_Vineyard.rou

RE FINISHED

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\*\* AERMOD Meteorology Pathway

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ME STARTING  
SURFFILE "\\orafp01\CA\_ORA\ORA\_AQN\095894015 - 9th and Vineyard Rancho Cucamonga\5 HRA\5.1 Data\UPLA\_V9\_ADJU\UPLA\_v9.SFC"  
PROFFILE "\\orafp01\CA\_ORA\ORA\_AQN\095894015 - 9th and Vineyard Rancho Cucamonga\5 HRA\5.1 Data\UPLA\_V9\_ADJU\UPLA\_v9.PFL"

SURFDATA 3102 2012  
UAIRDATA 3190 2012  
SITEDATA 99999 2012  
PROFBASE 379.0 METERS

ME FINISHED

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\*\* AERMOD Output Pathway

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OU STARTING  
RECTABLE ALLAVE 1ST  
RECTABLE 1 1ST  
RECTABLE 24 1ST

\*\* Auto-Generated Plotfiles

9th\_and\_Vineyard.ADO

PLOTFILE 1 ALL 1ST 9th\_and\_Vineyard.AD\01H1GALL.PLT 31  
PLOTFILE 24 ALL 1ST 9th\_and\_Vineyard.AD\24H1GALL.PLT 32  
PLOTFILE ANNUAL ALL 9th\_and\_Vineyard.AD\AN00GALL.PLT 33  
SUMMFILE 9th\_and\_Vineyard.sum

OU FINISHED

\*\*\* Message Summary For AERMOD Model Setup \*\*\*

----- Summary of Total Messages -----

A Total of                    0 Fatal Error Message(s)  
A Total of                    2 Warning Message(s)  
A Total of                    0 Informational Message(s)

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*  
      \*\*\* NONE \*\*\*

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*  
ME W186    1811            MEOPEN: THRESH\_1MIN 1-min ASOS wind speed threshold used  
          0.50  
ME W187    1811            MEOPEN: ADJ\_U\* Option for Stable Low Winds used in AERMET

\*\*\*\*\*  
\*\*\* SETUP Finishes Successfully \*\*\*  
\*\*\*\*\*

▲ \*\*\* AERMOD - VERSION 19191 \*\*\*        \*\*\* Operations  
                                      \*\*\*                    09/17/20  
\*\*\* AERMET - VERSION 16216 \*\*\*        \*\*\*  
                                      \*\*\*                    12:32:25

  PAGE    1  
\*\*\* MODELOPTs:    RegDFault    CONC    ELEV    URBAN    ADJ\_U\*

  \*\*\*        MODEL SETUP OPTIONS SUMMARY

\*\*\*

-----  
\*\*Model Is Setup For Calculation of Average CONCentration Values.

-- DEPOSITION LOGIC --  
\*\*NO GAS DEPOSITION Data Provided.  
\*\*NO PARTICLE DEPOSITION Data Provided.



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\*\*Model Uses NO DRY DEPLETION. DRYDPLT = F

\*\*Model Uses NO WET DEPLETION. WETDPLT = F

\*\*Model Uses URBAN Dispersion Algorithm for the SBL for 788 Source(s),  
for Total of 1 Urban Area(s):

Urban Population = 2035210.0 ; Urban Roughness Length = 1.000 m

\*\*Model Uses Regulatory DEFAULT Options:

1. Stack-tip Downwash.
2. Model Accounts for ELEVated Terrain Effects.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.
6. Urban Roughness Length of 1.0 Meter Assumed.

\*\*Other Options Specified:

ADJ\_U\* - Use ADJ\_U\* option for SBL in AERMET

TEMP\_Sub - Meteorological data includes TEMP substitutions

\*\*Model Assumes No FLAGPOLE Receptor Heights.

\*\*The User Specified a Pollutant Type of: PM\_10

\*\*Model Calculates 2 Short Term Average(s) of: 1-HR 24-HR  
and Calculates ANNUAL Averages

\*\*This Run Includes: 788 Source(s); 1 Source Group(s); and 507  
Receptor(s)

with: 0 POINT(s), including  
0 POINTCAP(s) and 0 POINTHOR(s)  
and: 788 VOLUME source(s)  
and: 0 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 0 line(s)

\*\*Model Set To Continue RUNNING After the Setup Testing.

\*\*The AERMET Input Meteorological Data Version Date: 16216

\*\*Output Options Selected:

Model Outputs Tables of ANNUAL Averages by Receptor

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE  
Keyword)

Model Outputs External File(s) of High Values for Plotting (PLOTFILE

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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) = 379.00 ; 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 = 3.9 MB of RAM.

\*\*Input Runstream File: aermod.inp

\*\*Output Print File: aermod.out

\*\*Detailed Error/Message File: 9th\_and\_Vineyard.err

\*\*File for Summary of Results: 9th\_and\_Vineyard.sum

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
\*\*\* 09/17/20  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	ELEV.	HEIGHT	SY
SZ	SCALAR	VARY	CATS.		(METERS)	(METERS)	(METERS)	(METERS)
ID	BY							

L0011531 0 0.52860E-06 443631.6 3772690.1 343.5 3.11 4.00

9th\_and\_Vineyard.ADO

2.89	YES							
L0011532		0	0.52860E-06	443631.5	3772681.5	343.3	3.11	4.00
2.89	YES							
L0011533		0	0.52860E-06	443631.3	3772672.9	343.2	3.11	4.00
2.89	YES							
L0011534		0	0.52860E-06	443631.2	3772664.3	343.0	3.11	4.00
2.89	YES							
L0011535		0	0.52860E-06	443631.1	3772655.7	342.8	3.11	4.00
2.89	YES							
L0011536		0	0.52860E-06	443630.9	3772647.1	342.6	3.11	4.00
2.89	YES							
L0011537		0	0.52860E-06	443630.8	3772638.5	342.4	3.11	4.00
2.89	YES							
L0011538		0	0.52860E-06	443630.7	3772629.9	342.2	3.11	4.00
2.89	YES							
L0011539		0	0.52860E-06	443630.5	3772621.3	342.0	3.11	4.00
2.89	YES							
L0011540		0	0.52860E-06	443630.4	3772612.7	341.9	3.11	4.00
2.89	YES							
L0011541		0	0.52860E-06	443630.3	3772604.1	341.9	3.11	4.00
2.89	YES							
L0011542		0	0.52860E-06	443630.1	3772595.5	341.7	3.11	4.00
2.89	YES							
L0011543		0	0.52860E-06	443630.0	3772586.9	341.6	3.11	4.00
2.89	YES							
L0011544		0	0.52860E-06	443629.9	3772578.3	341.4	3.11	4.00
2.89	YES							
L0011545		0	0.52860E-06	443629.8	3772569.7	341.2	3.11	4.00
2.89	YES							
L0011546		0	0.52860E-06	443629.6	3772561.1	340.9	3.11	4.00
2.89	YES							
L0011547		0	0.52860E-06	443629.5	3772552.5	340.6	3.11	4.00
2.89	YES							
L0011548		0	0.52860E-06	443629.4	3772543.9	340.3	3.11	4.00
2.89	YES							
L0011549		0	0.52860E-06	443629.2	3772535.3	340.0	3.11	4.00
2.89	YES							
L0011550		0	0.52860E-06	443629.1	3772526.7	339.9	3.11	4.00
2.89	YES							
L0011551		0	0.52860E-06	443629.0	3772518.1	339.7	3.11	4.00
2.89	YES							
L0011552		0	0.52860E-06	443628.8	3772509.5	339.6	3.11	4.00
2.89	YES							
L0011553		0	0.52860E-06	443628.7	3772500.9	339.5	3.11	4.00
2.89	YES							
L0011554		0	0.52860E-06	443628.6	3772492.3	339.4	3.11	4.00
2.89	YES							
L0011555		0	0.52860E-06	443628.4	3772483.7	339.2	3.11	4.00

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2.89	YES	L0011556	0	0.52860E-06	443628.3	3772475.1	339.1	3.11	4.00
2.89	YES	L0011557	0	0.52860E-06	443628.2	3772466.5	338.9	3.11	4.00
2.89	YES	L0011558	0	0.52860E-06	443628.1	3772457.9	338.8	3.11	4.00
2.89	YES	L0011559	0	0.52860E-06	443627.9	3772449.3	338.7	3.11	4.00
2.89	YES	L0011560	0	0.52860E-06	443627.8	3772440.7	338.5	3.11	4.00
2.89	YES	L0011561	0	0.52860E-06	443627.7	3772432.1	338.4	3.11	4.00
2.89	YES	L0011562	0	0.52860E-06	443627.5	3772423.5	338.2	3.11	4.00
2.89	YES	L0011563	0	0.52860E-06	443627.4	3772414.9	338.1	3.11	4.00
2.89	YES	L0011564	0	0.52860E-06	443627.3	3772406.3	338.0	3.11	4.00
2.89	YES	L0011565	0	0.52860E-06	443627.1	3772397.7	337.8	3.11	4.00
2.89	YES	L0011566	0	0.52860E-06	443627.0	3772389.1	337.7	3.11	4.00
2.89	YES	L0011567	0	0.52860E-06	443626.9	3772380.5	337.6	3.11	4.00
2.89	YES	L0011568	0	0.52860E-06	443626.7	3772371.9	337.4	3.11	4.00
2.89	YES	L0011569	0	0.52860E-06	443626.6	3772363.3	337.3	3.11	4.00
2.89	YES	L0011570	0	0.52860E-06	443626.5	3772354.7	337.2	3.11	4.00

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE	BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	PART.	(GRAMS/SEC)	ELEV.	HEIGHT	SY
ID	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)
(METERS)		CATS.		BY	(METERS)	(METERS)	(METERS)

9th\_and\_Vineyard.ADO

L0011571	0	0.52860E-06	443626.4	3772346.1	337.0	3.11	4.00
2.89 YES							
L0011572	0	0.52860E-06	443626.2	3772337.5	336.9	3.11	4.00
2.89 YES							
L0011573	0	0.52860E-06	443626.1	3772328.9	336.7	3.11	4.00
2.89 YES							
L0011574	0	0.52860E-06	443626.0	3772320.3	336.6	3.11	4.00
2.89 YES							
L0011575	0	0.52860E-06	443625.8	3772311.7	336.4	3.11	4.00
2.89 YES							
L0011576	0	0.52860E-06	443625.7	3772303.1	336.3	3.11	4.00
2.89 YES							
L0011577	0	0.52860E-06	443625.6	3772294.5	336.1	3.11	4.00
2.89 YES							
L0011578	0	0.52860E-06	443625.4	3772285.9	336.0	3.11	4.00
2.89 YES							
L0011579	0	0.52860E-06	443625.3	3772277.3	335.9	3.11	4.00
2.89 YES							
L0011580	0	0.52860E-06	443625.2	3772268.7	335.7	3.11	4.00
2.89 YES							
L0011581	0	0.52860E-06	443625.0	3772260.1	335.6	3.11	4.00
2.89 YES							
L0011582	0	0.52860E-06	443624.9	3772251.5	335.5	3.11	4.00
2.89 YES							
L0011583	0	0.52860E-06	443624.8	3772242.9	335.4	3.11	4.00
2.89 YES							
L0011584	0	0.52860E-06	443624.7	3772234.3	335.3	3.11	4.00
2.89 YES							
L0011585	0	0.52860E-06	443624.5	3772225.7	335.2	3.11	4.00
2.89 YES							
L0011586	0	0.52860E-06	443624.4	3772217.1	335.0	3.11	4.00
2.89 YES							
L0011587	0	0.52860E-06	443624.3	3772208.5	334.8	3.11	4.00
2.89 YES							
L0011588	0	0.52860E-06	443624.1	3772199.9	334.7	3.11	4.00
2.89 YES							
L0011589	0	0.52860E-06	443624.0	3772191.3	334.5	3.11	4.00
2.89 YES							
L0011590	0	0.52860E-06	443623.9	3772182.7	334.4	3.11	4.00
2.89 YES							
L0011591	0	0.52860E-06	443623.7	3772174.1	334.2	3.11	4.00
2.89 YES							
L0011592	0	0.52860E-06	443623.6	3772165.5	334.1	3.11	4.00
2.89 YES							
L0011593	0	0.52860E-06	443623.5	3772156.9	334.0	3.11	4.00

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2.89	YES							
L0011594		0	0.52860E-06	443623.4	3772148.3	333.9	3.11	4.00
2.89	YES							
L0011595		0	0.52860E-06	443623.2	3772139.7	333.8	3.11	4.00
2.89	YES							
L0011596		0	0.52860E-06	443623.1	3772131.1	333.6	3.11	4.00
2.89	YES							
L0011597		0	0.52860E-06	443623.0	3772122.5	333.4	3.11	4.00
2.89	YES							
L0011598		0	0.52860E-06	443622.8	3772113.9	333.1	3.11	4.00
2.89	YES							
L0011599		0	0.52860E-06	443622.7	3772105.3	332.9	3.11	4.00
2.89	YES							
L0011600		0	0.52860E-06	443622.6	3772096.7	332.6	3.11	4.00
2.89	YES							
L0011601		0	0.52860E-06	443622.4	3772088.1	332.3	3.11	4.00
2.89	YES							
L0011602		0	0.52860E-06	443622.3	3772079.5	332.0	3.11	4.00
2.89	YES							
L0011603		0	0.52860E-06	443622.2	3772070.9	331.8	3.11	4.00
2.89	YES							
L0011604		0	0.52860E-06	443622.0	3772062.3	331.7	3.11	4.00
2.89	YES							
L0011605		0	0.52860E-06	443621.9	3772053.7	331.5	3.11	4.00
2.89	YES							
L0011606		0	0.52860E-06	443621.8	3772045.1	331.4	3.11	4.00
2.89	YES							
L0011607		0	0.52860E-06	443621.7	3772036.5	331.3	3.11	4.00
2.89	YES							
L0011608		0	0.52860E-06	443621.5	3772027.9	331.2	3.11	4.00
2.89	YES							
L0011609		0	0.52860E-06	443621.4	3772019.3	331.1	3.11	4.00
2.89	YES							
L0011610		0	0.52860E-06	443621.3	3772010.7	330.9	3.11	4.00

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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER EMISSION RATE	EMISSION RATE	BASE	RELEASE	INIT.
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SOURCE SZ	SOURCE ID (METERS)	PART. SCALAR CATS.	(GRAMS/SEC) VARY BY	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	SY (METERS)
	L0011611	0	0.52860E-06	443621.1	3772002.1	330.8	3.11	4.00
2.89	YES							
	L0011612	0	0.52860E-06	443621.0	3771993.5	330.7	3.11	4.00
2.89	YES							
	L0011613	0	0.52860E-06	443620.9	3771984.9	330.5	3.11	4.00
2.89	YES							
	L0011614	0	0.52860E-06	443620.7	3771976.3	330.4	3.11	4.00
2.89	YES							
	L0011615	0	0.52860E-06	443620.6	3771967.7	330.3	3.11	4.00
2.89	YES							
	L0011616	0	0.52860E-06	443620.5	3771959.1	330.1	3.11	4.00
2.89	YES							
	L0011617	0	0.52860E-06	443620.3	3771950.5	330.0	3.11	4.00
2.89	YES							
	L0011618	0	0.52860E-06	443620.2	3771941.9	329.9	3.11	4.00
2.89	YES							
	L0011619	0	0.52860E-06	443620.1	3771933.3	329.9	3.11	4.00
2.89	YES							
	L0011620	0	0.52860E-06	443620.0	3771924.7	329.8	3.11	4.00
2.89	YES							
	L0011621	0	0.52860E-06	443619.8	3771916.1	329.7	3.11	4.00
2.89	YES							
	L0011622	0	0.52860E-06	443619.7	3771907.6	329.6	3.11	4.00
2.89	YES							
	L0011623	0	0.52860E-06	443619.6	3771899.0	329.4	3.11	4.00
2.89	YES							
	L0011624	0	0.52860E-06	443619.4	3771890.4	329.3	3.11	4.00
2.89	YES							
	L0011625	0	0.52860E-06	443619.3	3771881.8	329.2	3.11	4.00
2.89	YES							
	L0011626	0	0.52860E-06	443619.2	3771873.2	329.1	3.11	4.00
2.89	YES							
	L0011627	0	0.52860E-06	443619.0	3771864.6	329.1	3.11	4.00
2.89	YES							
	L0011628	0	0.52860E-06	443618.9	3771856.0	328.9	3.11	4.00
2.89	YES							
	L0011629	0	0.52860E-06	443618.8	3771847.4	328.8	3.11	4.00
2.89	YES							
	L0011630	0	0.52860E-06	443618.6	3771838.8	328.6	3.11	4.00
2.89	YES							
	L0011631	0	0.52860E-06	443618.5	3771830.2	328.5	3.11	4.00

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2.89	YES							
L0011632		0	0.52860E-06	443618.4	3771821.6	328.3	3.11	4.00
2.89	YES							
L0011633		0	0.52860E-06	443618.3	3771813.0	328.2	3.11	4.00
2.89	YES							
L0011634		0	0.52860E-06	443618.1	3771804.4	328.0	3.11	4.00
2.89	YES							
L0011635		0	0.52860E-06	443618.0	3771795.8	327.8	3.11	4.00
2.89	YES							
L0011636		0	0.52860E-06	443617.9	3771787.2	327.7	3.11	4.00
2.89	YES							
L0011637		0	0.52860E-06	443617.7	3771778.6	327.6	3.11	4.00
2.89	YES							
L0011638		0	0.52860E-06	443617.6	3771770.0	327.5	3.11	4.00
2.89	YES							
L0011639		0	0.52860E-06	443617.5	3771761.4	327.4	3.11	4.00
2.89	YES							
L0011640		0	0.52860E-06	443617.3	3771752.8	327.3	3.11	4.00
2.89	YES							
L0011641		0	0.52860E-06	443617.2	3771744.2	327.2	3.11	4.00
2.89	YES							
L0011642		0	0.52860E-06	443617.1	3771735.6	327.1	3.11	4.00
2.89	YES							
L0011643		0	0.52860E-06	443617.0	3771727.0	327.0	3.11	4.00
2.89	YES							
L0011644		0	0.52860E-06	443616.8	3771718.4	326.9	3.11	4.00
2.89	YES							
L0011645		0	0.52860E-06	443616.7	3771709.8	326.8	3.11	4.00
2.89	YES							
L0011646		0	0.52860E-06	443616.6	3771701.2	326.7	3.11	4.00
2.89	YES							
L0011647		0	0.52860E-06	443616.4	3771692.6	326.6	3.11	4.00
2.89	YES							
L0011648		0	0.52860E-06	443616.3	3771684.0	326.4	3.11	4.00
2.89	YES							
L0011649		0	0.52860E-06	443616.2	3771675.4	326.3	3.11	4.00
2.89	YES							
L0011650		0	0.52860E-06	443616.0	3771666.8	326.2	3.11	4.00

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*



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\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0011651		0	0.52860E-06	443615.9	3771658.2	326.2	3.11	4.00
2.89	YES							
L0011652		0	0.52860E-06	443615.8	3771649.6	326.1	3.11	4.00
2.89	YES							
L0011653		0	0.52860E-06	443615.6	3771641.0	326.0	3.11	4.00
2.89	YES							
L0011654		0	0.52860E-06	443615.5	3771632.4	325.9	3.11	4.00
2.89	YES							
L0011655		0	0.52860E-06	443615.4	3771623.8	325.8	3.11	4.00
2.89	YES							
L0011656		0	0.52860E-06	443615.3	3771615.2	325.7	3.11	4.00
2.89	YES							
L0011657		0	0.52860E-06	443615.1	3771606.6	325.6	3.11	4.00
2.89	YES							
L0011658		0	0.52860E-06	443615.0	3771598.0	325.4	3.11	4.00
2.89	YES							
L0011659		0	0.52860E-06	443614.9	3771589.4	325.3	3.11	4.00
2.89	YES							
L0011660		0	0.52860E-06	443614.7	3771580.8	325.2	3.11	4.00
2.89	YES							
L0011661		0	0.52860E-06	443614.6	3771572.2	325.1	3.11	4.00
2.89	YES							
L0011662		0	0.52860E-06	443614.5	3771563.6	325.1	3.11	4.00
2.89	YES							
L0011663		0	0.52860E-06	443614.3	3771555.0	325.0	3.11	4.00
2.89	YES							
L0011664		0	0.52860E-06	443614.2	3771546.4	324.9	3.11	4.00
2.89	YES							
L0011665		0	0.52860E-06	443614.1	3771537.8	324.8	3.11	4.00
2.89	YES							
L0011666		0	0.52860E-06	443613.9	3771529.2	324.7	3.11	4.00
2.89	YES							
L0011667		0	0.52860E-06	443613.8	3771520.6	324.6	3.11	4.00
2.89	YES							
L0011668		0	0.52860E-06	443613.7	3771512.0	324.4	3.11	4.00
2.89	YES							
L0011669		0	0.52860E-06	443613.6	3771503.4	324.3	3.11	4.00



\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
ID	SCALAR	VARY	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY							
L0011691		0	0.19770E-06	443557.1	3772539.4	340.6	3.11	4.00	
2.89	YES								
L0011692		0	0.19770E-06	443548.5	3772539.4	340.6	3.11	4.00	
2.89	YES								
L0011693		0	0.19770E-06	443539.9	3772539.4	340.6	3.11	4.00	
2.89	YES								
L0011694		0	0.19770E-06	443531.3	3772539.4	340.7	3.11	4.00	
2.89	YES								
L0011695		0	0.19770E-06	443522.7	3772539.4	340.8	3.11	4.00	
2.89	YES								
L0011696		0	0.19770E-06	443514.1	3772539.4	340.9	3.11	4.00	
2.89	YES								
L0011697		0	0.19770E-06	443505.5	3772539.4	340.9	3.11	4.00	
2.89	YES								
L0011698		0	0.19770E-06	443496.9	3772539.5	341.0	3.11	4.00	
2.89	YES								
L0011699		0	0.19770E-06	443488.3	3772539.5	341.1	3.11	4.00	
2.89	YES								
L0011700		0	0.19770E-06	443479.7	3772539.5	341.2	3.11	4.00	
2.89	YES								
L0011701		0	0.19770E-06	443471.1	3772539.5	341.4	3.11	4.00	
2.89	YES								
L0011702		0	0.19770E-06	443462.5	3772539.5	341.5	3.11	4.00	
2.89	YES								
L0011703		0	0.19770E-06	443453.9	3772539.5	341.6	3.11	4.00	
2.89	YES								
L0011704		0	0.19770E-06	443445.3	3772539.5	341.7	3.11	4.00	
2.89	YES								
L0011705		0	0.19770E-06	443436.7	3772539.5	341.8	3.11	4.00	
2.89	YES								
L0011706		0	0.19770E-06	443428.1	3772539.5	341.9	3.11	4.00	
2.89	YES								
L0011707		0	0.19770E-06	443419.5	3772539.5	341.9	3.11	4.00	

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2.89	YES							
L0011708		0	0.19770E-06	443410.9	3772539.5	342.0	3.11	4.00
2.89	YES							
L0011709		0	0.19770E-06	443402.3	3772539.5	342.1	3.11	4.00
2.89	YES							
L0011710		0	0.19770E-06	443393.7	3772539.5	342.3	3.11	4.00
2.89	YES							
L0011711		0	0.19770E-06	443385.1	3772539.5	342.4	3.11	4.00
2.89	YES							
L0011712		0	0.19770E-06	443376.5	3772539.5	342.5	3.11	4.00
2.89	YES							
L0011713		0	0.19770E-06	443367.9	3772539.5	342.6	3.11	4.00
2.89	YES							
L0011714		0	0.19770E-06	443359.3	3772539.5	342.6	3.11	4.00
2.89	YES							
L0011715		0	0.19770E-06	443350.7	3772539.5	342.7	3.11	4.00
2.89	YES							
L0011716		0	0.19770E-06	443342.1	3772539.5	342.8	3.11	4.00
2.89	YES							
L0011717		0	0.19770E-06	443333.5	3772539.5	342.9	3.11	4.00
2.89	YES							
L0011718		0	0.19770E-06	443324.9	3772539.5	343.0	3.11	4.00
2.89	YES							
L0011719		0	0.19770E-06	443316.3	3772539.5	343.0	3.11	4.00
2.89	YES							
L0011720		0	0.19770E-06	443307.7	3772539.5	343.1	3.11	4.00
2.89	YES							
L0011721		0	0.19770E-06	443299.1	3772539.5	343.2	3.11	4.00
2.89	YES							
L0011722		0	0.19770E-06	443290.5	3772539.5	343.2	3.11	4.00
2.89	YES							
L0011723		0	0.19770E-06	443281.9	3772539.5	343.2	3.11	4.00
2.89	YES							
L0011724		0	0.19770E-06	443273.3	3772539.5	343.3	3.11	4.00
2.89	YES							
L0011725		0	0.19770E-06	443264.7	3772539.5	343.4	3.11	4.00
2.89	YES							
L0011726		0	0.19770E-06	443256.1	3772539.5	343.4	3.11	4.00
2.89	YES							
L0011727		0	0.19770E-06	443247.5	3772539.5	343.5	3.11	4.00
2.89	YES							
L0011728		0	0.19770E-06	443238.9	3772539.5	343.6	3.11	4.00
2.89	YES							
L0011729		0	0.19770E-06	443230.3	3772539.5	343.7	3.11	4.00
2.89	YES							
L0011730		0	0.19770E-06	443221.7	3772539.5	343.8	3.11	4.00

2.89 YES  
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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
ID	SCALAR	VARY			(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	CATS.	BY							
L0011731	0	0.19770E-06	443213.1	3772539.5	343.8	3.11	4.00		
2.89	YES								
L0011732	0	0.19770E-06	443204.5	3772539.5	343.9	3.11	4.00		
2.89	YES								
L0011733	0	0.19770E-06	443195.9	3772539.5	344.0	3.11	4.00		
2.89	YES								
L0011734	0	0.19770E-06	443187.3	3772539.5	344.1	3.11	4.00		
2.89	YES								
L0011735	0	0.19770E-06	443178.7	3772539.5	344.1	3.11	4.00		
2.89	YES								
L0011736	0	0.19770E-06	443170.1	3772539.5	344.3	3.11	4.00		
2.89	YES								
L0011737	0	0.19770E-06	443161.5	3772539.5	344.4	3.11	4.00		
2.89	YES								
L0011738	0	0.19770E-06	443152.9	3772539.5	344.5	3.11	4.00		
2.89	YES								
L0011739	0	0.19770E-06	443144.3	3772539.5	344.7	3.11	4.00		
2.89	YES								
L0011740	0	0.19770E-06	443135.7	3772539.6	344.8	3.11	4.00		
2.89	YES								
L0011741	0	0.19770E-06	443127.1	3772539.6	344.9	3.11	4.00		
2.89	YES								
L0011742	0	0.19770E-06	443118.5	3772539.6	345.0	3.11	4.00		
2.89	YES								
L0011743	0	0.19770E-06	443109.9	3772539.6	345.0	3.11	4.00		
2.89	YES								
L0011744	0	0.19770E-06	443101.3	3772539.6	345.1	3.11	4.00		
2.89	YES								
L0011745	0	0.19770E-06	443092.7	3772539.6	345.2	3.11	4.00		

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2.89	YES							
L0011746		0	0.19770E-06	443084.1	3772539.6	345.3	3.11	4.00
2.89	YES							
L0011747		0	0.19770E-06	443075.5	3772539.6	345.4	3.11	4.00
2.89	YES							
L0011748		0	0.19770E-06	443066.9	3772539.6	345.5	3.11	4.00
2.89	YES							
L0011749		0	0.19770E-06	443058.3	3772539.6	345.6	3.11	4.00
2.89	YES							
L0011750		0	0.19770E-06	443049.7	3772539.6	345.7	3.11	4.00
2.89	YES							
L0011751		0	0.19770E-06	443041.1	3772539.6	345.7	3.11	4.00
2.89	YES							
L0011752		0	0.19770E-06	443032.5	3772539.6	345.8	3.11	4.00
2.89	YES							
L0011753		0	0.19770E-06	443023.9	3772539.6	345.8	3.11	4.00
2.89	YES							
L0011754		0	0.19770E-06	443015.3	3772539.6	345.9	3.11	4.00
2.89	YES							
L0011755		0	0.19770E-06	443006.7	3772539.6	346.1	3.11	4.00
2.89	YES							
L0011756		0	0.19770E-06	442998.1	3772539.6	346.2	3.11	4.00
2.89	YES							
L0011757		0	0.19770E-06	442989.5	3772539.6	346.3	3.11	4.00
2.89	YES							
L0011758		0	0.19770E-06	442980.9	3772539.6	346.5	3.11	4.00
2.89	YES							
L0011759		0	0.19770E-06	442972.3	3772539.6	346.6	3.11	4.00
2.89	YES							
L0011760		0	0.19770E-06	442963.7	3772539.6	346.7	3.11	4.00
2.89	YES							
L0011761		0	0.19770E-06	442955.1	3772539.6	346.8	3.11	4.00
2.89	YES							
L0011762		0	0.19770E-06	442946.5	3772539.6	346.9	3.11	4.00
2.89	YES							
L0011763		0	0.19770E-06	442937.9	3772539.6	347.0	3.11	4.00
2.89	YES							
L0011764		0	0.19770E-06	442929.3	3772539.6	347.2	3.11	4.00
2.89	YES							
L0011765		0	0.19770E-06	442920.7	3772539.6	347.3	3.11	4.00
2.89	YES							
L0011766		0	0.19770E-06	442912.1	3772539.6	347.4	3.11	4.00
2.89	YES							
L0011767		0	0.19770E-06	442903.5	3772539.6	347.5	3.11	4.00
2.89	YES							
L0011768		0	0.19770E-06	442894.9	3772539.6	347.6	3.11	4.00
2.89	YES							
L0011769		0	0.19770E-06	442886.3	3772539.6	347.7	3.11	4.00

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2.89 YES  
 L0011770 0 0.19770E-06 442877.7 3772539.6 347.8 3.11 4.00

2.89 YES  
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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE	BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	Y	SY
ID	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY		(METERS)	(METERS)	(METERS)

L0011771	0	0.19770E-06	442869.1	3772539.6	347.8	3.11	4.00
2.89 YES							
L0011772	0	0.19770E-06	442860.5	3772539.6	347.9	3.11	4.00
2.89 YES							
L0011773	0	0.19770E-06	442851.9	3772539.6	348.0	3.11	4.00
2.89 YES							
L0011774	0	0.19770E-06	442843.3	3772539.6	348.1	3.11	4.00
2.89 YES							
L0011775	0	0.19770E-06	442834.7	3772539.6	348.2	3.11	4.00
2.89 YES							
L0011776	0	0.19770E-06	442826.1	3772539.6	348.3	3.11	4.00
2.89 YES							
L0011777	0	0.19770E-06	442817.5	3772539.6	348.4	3.11	4.00
2.89 YES							
L0011778	0	0.19770E-06	442808.9	3772539.6	348.5	3.11	4.00
2.89 YES							
L0011779	0	0.19770E-06	442800.3	3772539.6	348.6	3.11	4.00
2.89 YES							
L0011780	0	0.19770E-06	442791.7	3772539.6	348.7	3.11	4.00
2.89 YES							
L0011781	0	0.19770E-06	442783.1	3772539.6	348.8	3.11	4.00
2.89 YES							
L0011782	0	0.19770E-06	442774.5	3772539.6	348.9	3.11	4.00
2.89 YES							
L0011783	0	0.19770E-06	442765.9	3772539.7	348.9	3.11	4.00

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2.89	YES							
L0011784		0	0.19770E-06	442757.3	3772539.7	349.0	3.11	4.00
2.89	YES							
L0011785		0	0.19770E-06	442748.7	3772539.7	349.1	3.11	4.00
2.89	YES							
L0011786		0	0.19770E-06	442740.1	3772539.7	349.2	3.11	4.00
2.89	YES							
L0011787		0	0.19770E-06	442731.5	3772539.7	349.3	3.11	4.00
2.89	YES							
L0011788		0	0.19770E-06	442722.9	3772539.7	349.4	3.11	4.00
2.89	YES							
L0011789		0	0.19770E-06	442714.3	3772539.7	349.5	3.11	4.00
2.89	YES							
L0011790		0	0.19770E-06	442705.7	3772539.7	349.6	3.11	4.00
2.89	YES							
L0011791		0	0.19770E-06	442697.1	3772539.7	349.7	3.11	4.00
2.89	YES							
L0011792		0	0.19770E-06	442688.5	3772539.7	349.8	3.11	4.00
2.89	YES							
L0011793		0	0.19770E-06	442679.9	3772539.7	349.9	3.11	4.00
2.89	YES							
L0011794		0	0.19770E-06	442671.3	3772539.7	350.0	3.11	4.00
2.89	YES							
L0011795		0	0.19770E-06	442662.7	3772539.7	350.1	3.11	4.00
2.89	YES							
L0011796		0	0.19770E-06	442654.1	3772539.7	350.2	3.11	4.00
2.89	YES							
L0011797		0	0.19770E-06	442645.5	3772539.7	350.2	3.11	4.00
2.89	YES							
L0011798		0	0.19770E-06	442636.9	3772539.7	350.3	3.11	4.00
2.89	YES							
L0011799		0	0.19770E-06	442628.3	3772539.7	350.4	3.11	4.00
2.89	YES							
L0011800		0	0.19770E-06	442619.7	3772539.7	350.5	3.11	4.00
2.89	YES							
L0011801		0	0.19770E-06	442611.1	3772539.7	350.6	3.11	4.00
2.89	YES							
L0011802		0	0.19770E-06	442602.5	3772539.7	350.7	3.11	4.00
2.89	YES							
L0011803		0	0.19770E-06	442593.9	3772539.7	350.8	3.11	4.00
2.89	YES							
L0011804		0	0.19770E-06	442585.3	3772539.7	350.9	3.11	4.00
2.89	YES							
L0011805		0	0.19770E-06	442576.7	3772539.7	351.0	3.11	4.00
2.89	YES							
L0011806		0	0.19770E-06	442568.1	3772539.7	351.1	3.11	4.00
2.89	YES							
L0011807		0	0.19770E-06	442559.5	3772539.7	351.2	3.11	4.00



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2.89 YES  
 L0011808 0 0.19770E-06 442550.9 3772539.7 351.3 3.11 4.00  
 2.89 YES  
 L0011809 0 0.19770E-06 442542.3 3772539.7 351.4 3.11 4.00  
 2.89 YES  
 L0011810 0 0.19770E-06 442533.7 3772539.7 351.5 3.11 4.00  
 2.89 YES

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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	RATE		X	Y	ELEV.	HEIGHT	SY
ID	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY						
L0011811		0	0.19770E-06	442525.1	3772539.7	351.6	3.11	4.00	
2.89	YES								
L0011812		0	0.19770E-06	442516.5	3772539.7	351.7	3.11	4.00	
2.89	YES								
L0011813		0	0.19770E-06	442507.9	3772539.7	351.8	3.11	4.00	
2.89	YES								
L0011814		0	0.31440E-06	443617.1	3772944.2	347.5	3.11	4.00	
2.89	YES								
L0011815		0	0.31440E-06	443608.5	3772944.2	347.7	3.11	4.00	
2.89	YES								
L0011816		0	0.31440E-06	443599.9	3772944.3	347.9	3.11	4.00	
2.89	YES								
L0011817		0	0.31440E-06	443591.3	3772944.3	348.1	3.11	4.00	
2.89	YES								
L0011818		0	0.31440E-06	443582.7	3772944.3	348.2	3.11	4.00	
2.89	YES								
L0011819		0	0.31440E-06	443574.1	3772944.4	348.3	3.11	4.00	
2.89	YES								
L0011820		0	0.31440E-06	443565.5	3772944.4	348.4	3.11	4.00	
2.89	YES								
L0011821		0	0.31440E-06	443556.9	3772944.4	348.3	3.11	4.00	

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2.89	YES							
L0011822		0	0.31440E-06	443548.3	3772944.5	348.3	3.11	4.00
2.89	YES							
L0011823		0	0.31440E-06	443539.7	3772944.5	348.2	3.11	4.00
2.89	YES							
L0011824		0	0.31440E-06	443531.1	3772944.6	347.7	3.11	4.00
2.89	YES							
L0011825		0	0.31440E-06	443522.5	3772944.6	347.1	3.11	4.00
2.89	YES							
L0011826		0	0.31440E-06	443513.9	3772944.6	346.5	3.11	4.00
2.89	YES							
L0011827		0	0.31440E-06	443505.3	3772944.7	346.9	3.11	4.00
2.89	YES							
L0011828		0	0.31440E-06	443496.7	3772944.7	347.4	3.11	4.00
2.89	YES							
L0011829		0	0.31440E-06	443488.1	3772944.7	347.9	3.11	4.00
2.89	YES							
L0011830		0	0.31440E-06	443479.5	3772944.8	348.0	3.11	4.00
2.89	YES							
L0011831		0	0.31440E-06	443470.9	3772944.8	348.1	3.11	4.00
2.89	YES							
L0011832		0	0.31440E-06	443462.3	3772944.8	348.1	3.11	4.00
2.89	YES							
L0011833		0	0.31440E-06	443453.7	3772944.9	348.2	3.11	4.00
2.89	YES							
L0011834		0	0.31440E-06	443445.1	3772944.9	348.4	3.11	4.00
2.89	YES							
L0011835		0	0.31440E-06	443436.5	3772945.0	348.5	3.11	4.00
2.89	YES							
L0011836		0	0.31440E-06	443427.9	3772945.0	348.6	3.11	4.00
2.89	YES							
L0011837		0	0.31440E-06	443419.3	3772945.0	348.7	3.11	4.00
2.89	YES							
L0011838		0	0.31440E-06	443410.7	3772945.1	348.9	3.11	4.00
2.89	YES							
L0011839		0	0.31440E-06	443402.1	3772945.1	349.0	3.11	4.00
2.89	YES							
L0011840		0	0.31440E-06	443393.5	3772945.1	349.1	3.11	4.00
2.89	YES							
L0011841		0	0.31440E-06	443384.9	3772945.2	349.2	3.11	4.00
2.89	YES							
L0011842		0	0.31440E-06	443376.3	3772945.2	349.3	3.11	4.00
2.89	YES							
L0011843		0	0.31440E-06	443367.7	3772945.2	349.4	3.11	4.00
2.89	YES							
L0011844		0	0.31440E-06	443359.1	3772945.3	349.6	3.11	4.00
2.89	YES							
L0011845		0	0.31440E-06	443350.5	3772945.3	349.7	3.11	4.00

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2.89	YES	L0011846	0	0.31440E-06	443341.9	3772945.3	349.8	3.11	4.00
2.89	YES	L0011847	0	0.31440E-06	443333.3	3772945.4	350.0	3.11	4.00
2.89	YES	L0011848	0	0.31440E-06	443324.7	3772945.4	350.1	3.11	4.00
2.89	YES	L0011849	0	0.31440E-06	443316.1	3772945.5	350.2	3.11	4.00
2.89	YES	L0011850	0	0.31440E-06	443307.5	3772945.5	350.3	3.11	4.00

^ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
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 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	ELEV.	HEIGHT	SY	
ID	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	
(METERS)		CATS.	BY						
L0011851		0	0.31440E-06	443298.9	3772945.5	350.5	3.11	4.00	
2.89	YES	L0011852	0	0.31440E-06	443290.3	3772945.6	350.7	3.11	4.00
2.89	YES	L0011853	0	0.31440E-06	443281.7	3772945.6	350.9	3.11	4.00
2.89	YES	L0011854	0	0.31440E-06	443273.1	3772945.6	351.1	3.11	4.00
2.89	YES	L0011855	0	0.31440E-06	443264.5	3772945.7	351.3	3.11	4.00
2.89	YES	L0011856	0	0.31440E-06	443255.9	3772945.7	351.4	3.11	4.00
2.89	YES	L0011857	0	0.31440E-06	443247.3	3772945.7	351.5	3.11	4.00
2.89	YES	L0011858	0	0.31440E-06	443238.7	3772945.8	351.6	3.11	4.00
2.89	YES	L0011859	0	0.31440E-06	443230.1	3772945.8	351.7	3.11	4.00

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2.89	YES	L0011860	0	0.31440E-06	443221.5	3772945.9	351.8	3.11	4.00
2.89	YES	L0011861	0	0.31440E-06	443212.9	3772945.9	351.9	3.11	4.00
2.89	YES	L0011862	0	0.31440E-06	443204.3	3772945.9	351.9	3.11	4.00
2.89	YES	L0011863	0	0.31440E-06	443195.7	3772946.0	352.1	3.11	4.00
2.89	YES	L0011864	0	0.31440E-06	443187.1	3772946.0	352.3	3.11	4.00
2.89	YES	L0011865	0	0.31440E-06	443178.5	3772946.0	352.4	3.11	4.00
2.89	YES	L0011866	0	0.31440E-06	443169.9	3772946.1	352.6	3.11	4.00
2.89	YES	L0011867	0	0.31440E-06	443161.3	3772946.1	352.7	3.11	4.00
2.89	YES	L0011868	0	0.31440E-06	443152.7	3772946.1	352.8	3.11	4.00
2.89	YES	L0011869	0	0.31440E-06	443144.1	3772946.2	352.9	3.11	4.00
2.89	YES	L0011870	0	0.31440E-06	443135.5	3772946.2	353.0	3.11	4.00
2.89	YES	L0011871	0	0.31440E-06	443126.9	3772946.3	353.1	3.11	4.00
2.89	YES	L0011872	0	0.31440E-06	443118.3	3772946.3	353.2	3.11	4.00
2.89	YES	L0011873	0	0.31440E-06	443109.7	3772946.3	353.4	3.11	4.00
2.89	YES	L0011874	0	0.31440E-06	443101.1	3772946.4	353.5	3.11	4.00
2.89	YES	L0011875	0	0.31440E-06	443092.5	3772946.4	353.7	3.11	4.00
2.89	YES	L0011876	0	0.31440E-06	443083.9	3772946.4	353.8	3.11	4.00
2.89	YES	L0011877	0	0.31440E-06	443075.3	3772946.5	354.0	3.11	4.00
2.89	YES	L0011878	0	0.31440E-06	443066.7	3772946.5	354.1	3.11	4.00
2.89	YES	L0011879	0	0.31440E-06	443058.1	3772946.5	354.3	3.11	4.00
2.89	YES	L0011880	0	0.31440E-06	443049.5	3772946.6	354.4	3.11	4.00
2.89	YES	L0011881	0	0.31440E-06	443040.9	3772946.6	354.5	3.11	4.00
2.89	YES	L0011882	0	0.31440E-06	443032.3	3772946.6	354.6	3.11	4.00
2.89	YES	L0011883	0	0.31440E-06	443023.7	3772946.7	354.8	3.11	4.00



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2.89	YES							
L0011898		0	0.31440E-06	442894.7	3772947.2	356.5	3.11	4.00
2.89	YES							
L0011899		0	0.31440E-06	442886.1	3772947.3	356.7	3.11	4.00
2.89	YES							
L0011900		0	0.31440E-06	442877.5	3772947.3	356.8	3.11	4.00
2.89	YES							
L0011901		0	0.31440E-06	442868.9	3772947.3	356.9	3.11	4.00
2.89	YES							
L0011902		0	0.31440E-06	442860.3	3772947.4	356.9	3.11	4.00
2.89	YES							
L0011903		0	0.31440E-06	442851.7	3772947.4	357.0	3.11	4.00
2.89	YES							
L0011904		0	0.31440E-06	442843.1	3772947.4	357.1	3.11	4.00
2.89	YES							
L0011905		0	0.31440E-06	442834.5	3772947.5	357.2	3.11	4.00
2.89	YES							
L0011906		0	0.31440E-06	442825.9	3772947.5	357.2	3.11	4.00
2.89	YES							
L0011907		0	0.31440E-06	442817.3	3772947.6	357.3	3.11	4.00
2.89	YES							
L0011908		0	0.31440E-06	442808.7	3772947.6	357.5	3.11	4.00
2.89	YES							
L0011909		0	0.31440E-06	442800.1	3772947.6	357.6	3.11	4.00
2.89	YES							
L0011910		0	0.31440E-06	442791.5	3772947.7	357.7	3.11	4.00
2.89	YES							
L0011911		0	0.31440E-06	442782.9	3772947.7	357.9	3.11	4.00
2.89	YES							
L0011912		0	0.31440E-06	442774.3	3772947.7	358.0	3.11	4.00
2.89	YES							
L0011913		0	0.31440E-06	442765.7	3772947.8	358.1	3.11	4.00
2.89	YES							
L0011914		0	0.31440E-06	442757.1	3772947.8	358.3	3.11	4.00
2.89	YES							
L0011915		0	0.31440E-06	442748.5	3772947.8	358.4	3.11	4.00
2.89	YES							
L0011916		0	0.31440E-06	442739.9	3772947.9	358.5	3.11	4.00
2.89	YES							
L0011917		0	0.31440E-06	442731.3	3772947.9	358.7	3.11	4.00
2.89	YES							
L0011918		0	0.31440E-06	442722.7	3772947.9	358.8	3.11	4.00
2.89	YES							
L0011919		0	0.31440E-06	442714.1	3772948.0	358.9	3.11	4.00
2.89	YES							
L0011920		0	0.31440E-06	442705.5	3772948.0	358.9	3.11	4.00
2.89	YES							
L0011921		0	0.31440E-06	442696.9	3772948.1	359.0	3.11	4.00

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2.89	YES	L0011922	0	0.31440E-06	442688.3	3772948.1	359.0	3.11	4.00
2.89	YES	L0011923	0	0.31440E-06	442679.7	3772948.1	359.1	3.11	4.00
2.89	YES	L0011924	0	0.31440E-06	442671.1	3772948.2	359.2	3.11	4.00
2.89	YES	L0011925	0	0.31440E-06	442662.5	3772948.2	359.3	3.11	4.00
2.89	YES	L0011926	0	0.31440E-06	442653.9	3772948.2	359.4	3.11	4.00
2.89	YES	L0011927	0	0.31440E-06	442645.3	3772948.3	359.5	3.11	4.00
2.89	YES	L0011928	0	0.31440E-06	442636.7	3772948.3	359.6	3.11	4.00
2.89	YES	L0011929	0	0.31440E-06	442628.1	3772948.3	359.8	3.11	4.00
2.89	YES	L0011930	0	0.31440E-06	442619.5	3772948.4	359.9	3.11	4.00

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\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	ELEV.	HEIGHT	SY
ID	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					
L0011931		0	0.31440E-06	442610.9	3772948.4	359.9	3.11	4.00
2.89	YES	L0011932	0	0.31440E-06	442602.3	3772948.5	360.0	4.00
2.89	YES	L0011933	0	0.31440E-06	442593.7	3772948.5	360.0	4.00
2.89	YES	L0011934	0	0.31440E-06	442585.1	3772948.5	360.0	4.00
2.89	YES	L0011935	0	0.31440E-06	442576.5	3772948.6	360.1	4.00

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2.89	YES							
L0011936		0	0.31440E-06	442567.9	3772948.6	360.1	3.11	4.00
2.89	YES							
L0011937		0	0.31440E-06	442559.3	3772948.6	360.2	3.11	4.00
2.89	YES							
L0011938		0	0.31440E-06	442550.7	3772948.7	360.3	3.11	4.00
2.89	YES							
L0011939		0	0.31440E-06	442542.1	3772948.7	360.5	3.11	4.00
2.89	YES							
L0011940		0	0.31440E-06	442533.5	3772948.7	360.6	3.11	4.00
2.89	YES							
L0011941		0	0.31440E-06	442524.9	3772948.8	360.7	3.11	4.00
2.89	YES							
L0011942		0	0.31440E-06	442516.3	3772948.8	360.8	3.11	4.00
2.89	YES							
L0011943		0	0.31440E-06	442507.7	3772948.9	360.9	3.11	4.00
2.89	YES							
L0011944		0	0.31440E-06	442499.1	3772948.9	360.9	3.11	4.00
2.89	YES							
L0011945		0	0.31440E-06	442490.5	3772948.9	360.9	3.11	4.00
2.89	YES							
L0011946		0	0.61960E-06	442836.6	3772802.9	353.7	3.11	4.00
2.89	YES							
L0011947		0	0.61960E-06	442845.2	3772802.9	353.6	3.11	4.00
2.89	YES							
L0011948		0	0.61960E-06	442853.8	3772802.9	353.4	3.11	4.00
2.89	YES							
L0011949		0	0.61960E-06	442862.4	3772802.9	353.2	3.11	4.00
2.89	YES							
L0011950		0	0.61960E-06	442869.2	3772804.7	353.2	3.11	4.00
2.89	YES							
L0011951		0	0.61960E-06	442869.5	3772813.3	353.4	3.11	4.00
2.89	YES							
L0011952		0	0.61960E-06	442869.9	3772821.9	353.6	3.11	4.00
2.89	YES							
L0011953		0	0.61960E-06	442872.3	3772828.3	353.8	3.11	4.00
2.89	YES							
L0011954		0	0.61960E-06	442880.9	3772828.0	353.6	3.11	4.00
2.89	YES							
L0011955		0	0.61960E-06	442889.5	3772827.8	353.5	3.11	4.00
2.89	YES							
L0011956		0	0.61960E-06	442898.1	3772827.6	353.4	3.11	4.00
2.89	YES							
L0011957		0	0.61960E-06	442906.7	3772827.3	353.3	3.11	4.00
2.89	YES							
L0011958		0	0.61960E-06	442915.3	3772827.1	353.2	3.11	4.00
2.89	YES							
L0011959		0	0.61960E-06	442923.9	3772826.9	353.1	3.11	4.00



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2.89	YES							
L0011960		0	0.61960E-06	442932.5	3772826.6	353.1	3.11	4.00
2.89	YES							
L0011961		0	0.61960E-06	442941.1	3772826.4	353.0	3.11	4.00
2.89	YES							
L0011962		0	0.61960E-06	442949.7	3772826.1	353.0	3.11	4.00
2.89	YES							
L0011963		0	0.61960E-06	442958.3	3772825.9	352.9	3.11	4.00
2.89	YES							
L0011964		0	0.61960E-06	442966.9	3772825.7	352.8	3.11	4.00
2.89	YES							
L0011965		0	0.61960E-06	442975.5	3772825.4	352.7	3.11	4.00
2.89	YES							
L0011966		0	0.61960E-06	442984.1	3772825.2	352.6	3.11	4.00
2.89	YES							
L0011967		0	0.61960E-06	442992.6	3772824.9	352.5	3.11	4.00
2.89	YES							
L0011968		0	0.61960E-06	443001.2	3772824.7	352.4	3.11	4.00
2.89	YES							
L0011969		0	0.61960E-06	443009.8	3772824.5	352.0	3.11	4.00
2.89	YES							
L0011970		0	0.61960E-06	443018.1	3772823.9	351.7	3.11	4.00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								(METERS)

L0011971		0	0.61960E-06	443018.2	3772815.3	351.5	3.11	4.00
2.89	YES							
L0011972		0	0.61960E-06	443018.2	3772806.7	351.3	3.11	4.00
2.89	YES							
L0011973		0	0.61960E-06	443018.3	3772798.1	351.1	3.11	4.00

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2.89	YES							
L0011974		0	0.61960E-06	443018.3	3772789.5	351.0	3.11	4.00
2.89	YES							
L0011975		0	0.61960E-06	443018.4	3772780.9	350.8	3.11	4.00
2.89	YES							
L0011976		0	0.61960E-06	443018.4	3772772.3	350.6	3.11	4.00
2.89	YES							
L0011977		0	0.61960E-06	443018.5	3772763.7	350.5	3.11	4.00
2.89	YES							
L0011978		0	0.61960E-06	443018.5	3772755.1	350.3	3.11	4.00
2.89	YES							
L0011979		0	0.61960E-06	443018.6	3772746.5	350.0	3.11	4.00
2.89	YES							
L0011980		0	0.61960E-06	443018.6	3772737.9	349.7	3.11	4.00
2.89	YES							
L0011981		0	0.61960E-06	443018.7	3772729.3	349.3	3.11	4.00
2.89	YES							
L0011982		0	0.61960E-06	443018.7	3772720.7	349.0	3.11	4.00
2.89	YES							
L0011983		0	0.61960E-06	443018.8	3772712.1	348.9	3.11	4.00
2.89	YES							
L0011984		0	0.61960E-06	443018.8	3772703.5	348.7	3.11	4.00
2.89	YES							
L0011985		0	0.61960E-06	443018.9	3772694.9	348.6	3.11	4.00
2.89	YES							
L0011986		0	0.61960E-06	443018.9	3772686.3	348.5	3.11	4.00
2.89	YES							
L0011987		0	0.61960E-06	443019.0	3772677.7	348.5	3.11	4.00
2.89	YES							
L0011988		0	0.61960E-06	443019.0	3772669.1	348.5	3.11	4.00
2.89	YES							
L0011989		0	0.61960E-06	443020.3	3772661.8	348.4	3.11	4.00
2.89	YES							
L0011990		0	0.61960E-06	443028.9	3772661.9	348.3	3.11	4.00
2.89	YES							
L0011991		0	0.61960E-06	443037.5	3772662.1	348.2	3.11	4.00
2.89	YES							
L0011992		0	0.61960E-06	443046.1	3772662.2	348.0	3.11	4.00
2.89	YES							
L0011993		0	0.61960E-06	443054.7	3772662.3	347.8	3.11	4.00
2.89	YES							
L0011994		0	0.61960E-06	443059.5	3772665.7	347.7	3.11	4.00
2.89	YES							
L0011995		0	0.61960E-06	443058.3	3772674.2	347.8	3.11	4.00
2.89	YES							
L0011996		0	0.61960E-06	443057.0	3772682.8	347.8	3.11	4.00
2.89	YES							
L0011997		0	0.61960E-06	443055.9	3772691.3	347.9	3.11	4.00

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2.89	YES	L0011998	0	0.61960E-06	443056.2	3772699.9	348.1	3.11	4.00
2.89	YES	L0011999	0	0.61960E-06	443056.6	3772708.5	348.2	3.11	4.00
2.89	YES	L0012000	0	0.61960E-06	443056.9	3772717.1	348.3	3.11	4.00
2.89	YES	L0012001	0	0.61960E-06	443057.2	3772725.6	348.5	3.11	4.00
2.89	YES	L0012002	0	0.61960E-06	443060.2	3772720.6	348.3	3.11	4.00
2.89	YES	L0012003	0	0.61960E-06	443068.8	3772720.5	348.2	3.11	4.00
2.89	YES	L0012004	0	0.61960E-06	443077.4	3772720.5	348.1	3.11	4.00
2.89	YES	L0012005	0	0.61960E-06	443086.0	3772720.5	348.0	3.11	4.00
2.89	YES	L0012006	0	0.61960E-06	443094.6	3772720.4	348.0	3.11	4.00
2.89	YES	L0012007	0	0.61960E-06	443103.2	3772720.4	348.0	3.11	4.00
2.89	YES	L0012008	0	0.61960E-06	443111.8	3772720.4	348.0	3.11	4.00
2.89	YES	L0012009	0	0.61960E-06	443120.4	3772720.3	348.0	3.11	4.00
2.89	YES	L0012010	0	0.61960E-06	443129.0	3772720.3	348.0	3.11	4.00

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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	ELEV.	HEIGHT	SY
SZ	ID	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					
L0012011		0	0.61960E-06	443137.6	3772720.3	348.1	3.11	4.00

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2.89	YES							
L0012012		0	0.61960E-06	443146.2	3772720.2	348.1	3.11	4.00
2.89	YES							
L0012013		0	0.61960E-06	443154.8	3772720.2	348.1	3.11	4.00
2.89	YES							
L0012014		0	0.61960E-06	443163.4	3772720.2	348.1	3.11	4.00
2.89	YES							
L0012015		0	0.61960E-06	443172.0	3772720.1	348.1	3.11	4.00
2.89	YES							
L0012016		0	0.61960E-06	443180.6	3772720.1	348.1	3.11	4.00
2.89	YES							
L0012017		0	0.61960E-06	443189.2	3772720.1	348.0	3.11	4.00
2.89	YES							
L0012018		0	0.61960E-06	443197.8	3772720.0	348.0	3.11	4.00
2.89	YES							
L0012019		0	0.61960E-06	443206.4	3772720.0	347.9	3.11	4.00
2.89	YES							
L0012020		0	0.61960E-06	443215.0	3772720.0	347.8	3.11	4.00
2.89	YES							
L0012021		0	0.61960E-06	443217.1	3772713.5	347.6	3.11	4.00
2.89	YES							
L0012022		0	0.61960E-06	443217.0	3772704.9	347.4	3.11	4.00
2.89	YES							
L0012023		0	0.61960E-06	443216.8	3772696.3	347.3	3.11	4.00
2.89	YES							
L0012024		0	0.61960E-06	443216.7	3772687.7	347.1	3.11	4.00
2.89	YES							
L0012025		0	0.61960E-06	443216.6	3772679.1	347.1	3.11	4.00
2.89	YES							
L0012026		0	0.61960E-06	443216.5	3772670.5	346.9	3.11	4.00
2.89	YES							
L0012027		0	0.61960E-06	443216.3	3772661.9	346.9	3.11	4.00
2.89	YES							
L0012028		0	0.61960E-06	443222.1	3772659.4	346.7	3.11	4.00
2.89	YES							
L0012029		0	0.61960E-06	443230.7	3772659.7	346.5	3.11	4.00
2.89	YES							
L0012030		0	0.61960E-06	443239.3	3772660.0	346.3	3.11	4.00
2.89	YES							
L0012031		0	0.61960E-06	443242.6	3772665.4	346.3	3.11	4.00
2.89	YES							
L0012032		0	0.61960E-06	443242.6	3772674.0	346.4	3.11	4.00
2.89	YES							
L0012033		0	0.61960E-06	443242.6	3772682.6	346.5	3.11	4.00
2.89	YES							
L0012034		0	0.61960E-06	443242.5	3772691.2	346.7	3.11	4.00
2.89	YES							
L0012035		0	0.61960E-06	443242.5	3772699.8	346.8	3.11	4.00



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L0012051	0	0.61960E-06	443241.9	3772837.4	349.4	3.11	4.00
2.89 YES							
L0012052	0	0.61960E-06	443241.8	3772846.0	349.6	3.11	4.00
2.89 YES							
L0012053	0	0.61960E-06	443241.8	3772854.6	349.8	3.11	4.00
2.89 YES							
L0012054	0	0.61960E-06	443241.8	3772863.2	350.0	3.11	4.00
2.89 YES							
L0012055	0	0.61960E-06	443241.7	3772871.8	350.2	3.11	4.00
2.89 YES							
L0012056	0	0.61960E-06	443241.7	3772880.4	350.3	3.11	4.00
2.89 YES							
L0012057	0	0.61960E-06	443241.7	3772889.0	350.5	3.11	4.00
2.89 YES							
L0012058	0	0.61960E-06	443241.6	3772897.6	350.6	3.11	4.00
2.89 YES							
L0012059	0	0.61960E-06	443241.6	3772906.2	350.8	3.11	4.00
2.89 YES							
L0012060	0	0.61960E-06	443241.5	3772914.8	350.9	3.11	4.00
2.89 YES							
L0012061	0	0.61960E-06	443241.5	3772923.4	351.1	3.11	4.00
2.89 YES							
L0012062	0	0.61960E-06	443241.5	3772932.0	351.3	3.11	4.00
2.89 YES							
L0012063	0	0.61960E-06	443249.3	3772932.5	351.2	3.11	4.00
2.89 YES							
L0012064	0	0.61960E-06	443251.2	3772926.0	351.0	3.11	4.00
2.89 YES							
L0012065	0	0.61960E-06	443250.9	3772917.4	350.9	3.11	4.00
2.89 YES							
L0012066	0	0.61960E-06	443250.6	3772908.8	350.7	3.11	4.00
2.89 YES							
L0012067	0	0.61960E-06	443250.4	3772900.2	350.5	3.11	4.00
2.89 YES							
L0012068	0	0.61960E-06	443250.1	3772891.6	350.4	3.11	4.00
2.89 YES							
L0012069	0	0.61960E-06	443249.8	3772883.0	350.2	3.11	4.00
2.89 YES							
L0012070	0	0.61960E-06	443253.8	3772878.6	350.0	3.11	4.00
2.89 YES							
L0012071	0	0.61960E-06	443262.4	3772878.6	349.9	3.11	4.00
2.89 YES							
L0012072	0	0.61960E-06	443271.0	3772878.6	349.8	3.11	4.00
2.89 YES							
L0012073	0	0.61960E-06	443279.6	3772878.6	349.7	3.11	4.00

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2.89	YES							
L0012074		0	0.61960E-06	443288.2	3772878.6	349.6	3.11	4.00
2.89	YES							
L0012075		0	0.61960E-06	443296.8	3772878.6	349.4	3.11	4.00
2.89	YES							
L0012076		0	0.61960E-06	443305.4	3772878.6	349.3	3.11	4.00
2.89	YES							
L0012077		0	0.61960E-06	443314.0	3772878.6	349.2	3.11	4.00
2.89	YES							
L0012078		0	0.61960E-06	443322.6	3772878.6	349.1	3.11	4.00
2.89	YES							
L0012079		0	0.61960E-06	443331.2	3772878.6	349.0	3.11	4.00
2.89	YES							
L0012080		0	0.61960E-06	443339.8	3772878.6	348.8	3.11	4.00
2.89	YES							
L0012081		0	0.61960E-06	443348.4	3772878.6	348.6	3.11	4.00
2.89	YES							
L0012082		0	0.61960E-06	443357.0	3772878.6	348.5	3.11	4.00
2.89	YES							
L0012083		0	0.61960E-06	443365.6	3772878.6	348.3	3.11	4.00
2.89	YES							
L0012084		0	0.61960E-06	443374.2	3772878.6	348.1	3.11	4.00
2.89	YES							
L0012085		0	0.61960E-06	443382.8	3772878.6	347.9	3.11	4.00
2.89	YES							
L0012086		0	0.61960E-06	443391.4	3772878.6	347.8	3.11	4.00
2.89	YES							
L0012087		0	0.61960E-06	443400.0	3772878.6	347.7	3.11	4.00
2.89	YES							
L0012088		0	0.61960E-06	443408.6	3772878.6	347.6	3.11	4.00
2.89	YES							
L0012089		0	0.61960E-06	443417.2	3772878.6	347.6	3.11	4.00
2.89	YES							
L0012090		0	0.61960E-06	443425.8	3772878.6	347.5	3.11	4.00

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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER EMISSION RATE	EMISSION RATE	BASE	RELEASE	INIT.
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SOURCE SZ	SOURCE ID (METERS)	PART. SCALAR CATS.	(GRAMS/SEC) VARY BY	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	SY (METERS)
	L0012091	0	0.61960E-06	443434.4	3772878.6	347.5	3.11	4.00
2.89	YES							
	L0012092	0	0.61960E-06	443443.0	3772878.6	347.4	3.11	4.00
2.89	YES							
	L0012093	0	0.61960E-06	443451.6	3772878.6	347.3	3.11	4.00
2.89	YES							
	L0012094	0	0.61960E-06	443460.2	3772878.6	347.2	3.11	4.00
2.89	YES							
	L0012095	0	0.61960E-06	443468.8	3772878.6	347.1	3.11	4.00
2.89	YES							
	L0012096	0	0.61960E-06	443477.4	3772878.6	347.0	3.11	4.00
2.89	YES							
	L0012097	0	0.61960E-06	443486.0	3772878.6	346.9	3.11	4.00
2.89	YES							
	L0012098	0	0.61960E-06	443494.6	3772878.6	346.7	3.11	4.00
2.89	YES							
	L0012099	0	0.61960E-06	443499.9	3772872.1	346.5	3.11	4.00
2.89	YES							
	L0012100	0	0.61960E-06	443505.0	3772865.2	346.3	3.11	4.00
2.89	YES							
	L0012101	0	0.61960E-06	443510.2	3772858.2	346.2	3.11	4.00
2.89	YES							
	L0012102	0	0.61960E-06	443515.3	3772851.3	346.0	3.11	4.00
2.89	YES							
	L0012103	0	0.61960E-06	443520.4	3772844.4	345.8	3.11	4.00
2.89	YES							
	L0012104	0	0.61960E-06	443525.5	3772837.5	345.6	3.11	4.00
2.89	YES							
	L0012105	0	0.61960E-06	443530.6	3772830.6	345.4	3.11	4.00
2.89	YES							
	L0012106	0	0.61960E-06	443535.7	3772823.6	345.3	3.11	4.00
2.89	YES							
	L0012107	0	0.61960E-06	443540.8	3772816.7	345.1	3.11	4.00
2.89	YES							
	L0012108	0	0.61960E-06	443545.9	3772809.8	344.9	3.11	4.00
2.89	YES							
	L0012109	0	0.61960E-06	443551.0	3772802.9	344.6	3.11	4.00
2.89	YES							
	L0012110	0	0.61960E-06	443556.1	3772796.0	344.5	3.11	4.00
2.89	YES							
	L0012111	0	0.61960E-06	443561.3	3772789.1	344.4	3.11	4.00



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2.89	YES							
L0012112		0	0.61960E-06	443566.4	3772782.1	344.3	3.11	4.00
2.89	YES							
L0012113		0	0.61960E-06	443571.5	3772775.2	344.0	3.11	4.00
2.89	YES							
L0012114		0	0.61960E-06	443576.6	3772768.3	343.8	3.11	4.00
2.89	YES							
L0012115		0	0.61960E-06	443581.7	3772761.4	343.7	3.11	4.00
2.89	YES							
L0012116		0	0.61960E-06	443582.9	3772753.1	343.8	3.11	4.00
2.89	YES							
L0012117		0	0.61960E-06	443583.2	3772744.5	343.7	3.11	4.00
2.89	YES							
L0012118		0	0.61960E-06	443583.6	3772735.9	343.6	3.11	4.00
2.89	YES							
L0012119		0	0.61960E-06	443583.9	3772727.3	343.4	3.11	4.00
2.89	YES							
L0012120		0	0.61960E-06	443584.3	3772718.7	343.3	3.11	4.00
2.89	YES							
L0012121		0	0.61960E-06	443584.6	3772710.1	343.1	3.11	4.00
2.89	YES							
L0012122		0	0.61960E-06	443585.0	3772701.5	343.0	3.11	4.00
2.89	YES							
L0012123		0	0.61960E-06	443585.3	3772692.9	342.9	3.11	4.00
2.89	YES							
L0012124		0	0.61960E-06	443585.7	3772684.4	342.8	3.11	4.00
2.89	YES							
L0012125		0	0.61960E-06	443586.0	3772675.8	342.8	3.11	4.00
2.89	YES							
L0012126		0	0.61960E-06	443586.4	3772667.2	342.7	3.11	4.00
2.89	YES							
L0012127		0	0.61960E-06	443586.7	3772658.6	342.7	3.11	4.00
2.89	YES							
L0012128		0	0.61960E-06	443587.1	3772650.0	342.6	3.11	4.00
2.89	YES							
L0012129		0	0.61960E-06	443587.4	3772641.4	342.5	3.11	4.00
2.89	YES							
L0012130		0	0.61960E-06	443585.1	3772635.4	342.4	3.11	4.00

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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

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\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0012131		0	0.61960E-06	443576.5	3772635.3	342.5	3.11	4.00
2.89	YES							
L0012132		0	0.61960E-06	443567.9	3772635.2	342.5	3.11	4.00
2.89	YES							
L0012133		0	0.61960E-06	443559.3	3772635.2	342.5	3.11	4.00
2.89	YES							
L0012134		0	0.61960E-06	443550.7	3772635.1	342.6	3.11	4.00
2.89	YES							
L0012135		0	0.61960E-06	443542.1	3772635.0	342.6	3.11	4.00
2.89	YES							
L0012136		0	0.61960E-06	443533.5	3772634.9	342.6	3.11	4.00
2.89	YES							
L0012137		0	0.61960E-06	443524.9	3772634.8	342.7	3.11	4.00
2.89	YES							
L0012138		0	0.61960E-06	443516.3	3772634.7	342.8	3.11	4.00
2.89	YES							
L0012139		0	0.61960E-06	443507.7	3772634.7	342.9	3.11	4.00
2.89	YES							
L0012140		0	0.61960E-06	443499.1	3772634.6	343.0	3.11	4.00
2.89	YES							
L0012141		0	0.61960E-06	443490.5	3772634.5	343.1	3.11	4.00
2.89	YES							
L0012142		0	0.61960E-06	443481.9	3772634.4	343.2	3.11	4.00
2.89	YES							
L0012143		0	0.61960E-06	443473.3	3772634.3	343.2	3.11	4.00
2.89	YES							
L0012144		0	0.61960E-06	443464.7	3772634.2	343.3	3.11	4.00
2.89	YES							
L0012145		0	0.61960E-06	443456.1	3772634.2	343.3	3.11	4.00
2.89	YES							
L0012146		0	0.61960E-06	443447.5	3772634.1	343.4	3.11	4.00
2.89	YES							
L0012147		0	0.61960E-06	443438.9	3772634.0	343.5	3.11	4.00
2.89	YES							
L0012148		0	0.61960E-06	443430.3	3772633.9	343.6	3.11	4.00
2.89	YES							
L0012149		0	0.61960E-06	443421.7	3772633.8	343.8	3.11	4.00



\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE		X	Y	HEIGHT	SY
ID	SCALAR	PART.	(GRAMS/SEC)		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	CATS.	VARY	BY					
L0012171	0	0.61960E-06	443232.5	3772632.3	345.8	3.11	4.00	
2.89	YES							
L0012172	0	0.61960E-06	443223.9	3772632.2	346.0	3.11	4.00	
2.89	YES							
L0012173	0	0.61960E-06	443215.3	3772632.2	346.3	3.11	4.00	
2.89	YES							
L0012174	0	0.61960E-06	443206.7	3772632.2	346.6	3.11	4.00	
2.89	YES							
L0012175	0	0.61960E-06	443198.1	3772632.2	346.9	3.11	4.00	
2.89	YES							
L0012176	0	0.61960E-06	443189.5	3772632.2	347.1	3.11	4.00	
2.89	YES							
L0012177	0	0.61960E-06	443180.9	3772632.1	347.3	3.11	4.00	
2.89	YES							
L0012178	0	0.61960E-06	443172.3	3772632.1	347.4	3.11	4.00	
2.89	YES							
L0012179	0	0.61960E-06	443163.7	3772632.1	347.5	3.11	4.00	
2.89	YES							
L0012180	0	0.61960E-06	443155.1	3772632.1	347.5	3.11	4.00	
2.89	YES							
L0012181	0	0.61960E-06	443146.5	3772632.0	347.5	3.11	4.00	
2.89	YES							
L0012182	0	0.61960E-06	443137.9	3772632.0	347.5	3.11	4.00	
2.89	YES							
L0012183	0	0.61960E-06	443129.3	3772632.0	347.4	3.11	4.00	
2.89	YES							
L0012184	0	0.61960E-06	443120.7	3772632.0	347.3	3.11	4.00	
2.89	YES							
L0012185	0	0.61960E-06	443112.1	3772632.0	347.1	3.11	4.00	
2.89	YES							
L0012186	0	0.61960E-06	443103.5	3772631.9	347.0	3.11	4.00	
2.89	YES							
L0012187	0	0.61960E-06	443094.9	3772631.9	346.9	3.11	4.00	

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2.89	YES							
L0012188		0	0.61960E-06	443086.3	3772631.9	346.9	3.11	4.00
2.89	YES							
L0012189		0	0.61960E-06	443077.7	3772631.9	346.9	3.11	4.00
2.89	YES							
L0012190		0	0.61960E-06	443069.1	3772631.9	347.1	3.11	4.00
2.89	YES							
L0012191		0	0.61960E-06	443060.5	3772631.8	347.4	3.11	4.00
2.89	YES							
L0012192		0	0.61960E-06	443051.9	3772631.8	347.6	3.11	4.00
2.89	YES							
L0012193		0	0.61960E-06	443043.3	3772631.8	347.8	3.11	4.00
2.89	YES							
L0012194		0	0.61960E-06	443034.7	3772631.8	348.0	3.11	4.00
2.89	YES							
L0012195		0	0.61960E-06	443026.1	3772631.7	348.1	3.11	4.00
2.89	YES							
L0012196		0	0.61960E-06	443017.5	3772631.7	348.2	3.11	4.00
2.89	YES							
L0012197		0	0.61960E-06	443008.9	3772631.7	348.3	3.11	4.00
2.89	YES							
L0012198		0	0.61960E-06	443000.3	3772631.7	348.3	3.11	4.00
2.89	YES							
L0012199		0	0.61960E-06	442991.7	3772631.7	348.4	3.11	4.00
2.89	YES							
L0012200		0	0.61960E-06	442983.1	3772631.6	348.5	3.11	4.00
2.89	YES							
L0012201		0	0.61960E-06	442974.5	3772631.6	348.5	3.11	4.00
2.89	YES							
L0012202		0	0.61960E-06	442965.9	3772631.6	348.6	3.11	4.00
2.89	YES							
L0012203		0	0.61960E-06	442957.3	3772631.6	348.7	3.11	4.00
2.89	YES							
L0012204		0	0.61960E-06	442948.7	3772631.6	348.9	3.11	4.00
2.89	YES							
L0012205		0	0.61960E-06	442940.1	3772631.5	349.0	3.11	4.00
2.89	YES							
L0012206		0	0.61960E-06	442931.5	3772631.5	349.1	3.11	4.00
2.89	YES							
L0012207		0	0.61960E-06	442922.9	3772631.5	349.2	3.11	4.00
2.89	YES							
L0012208		0	0.61960E-06	442914.3	3772631.5	349.3	3.11	4.00
2.89	YES							
L0012209		0	0.61960E-06	442905.7	3772631.4	349.4	3.11	4.00
2.89	YES							
L0012210		0	0.61960E-06	442897.1	3772631.4	349.5	3.11	4.00

2.89 YES  
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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
ID	SCALAR	VARY			(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY						
L0012211	0	0.61960E-06	442888.5	3772631.4	349.6	3.11	4.00		
2.89	YES								
L0012212	0	0.61960E-06	442879.9	3772631.4	349.7	3.11	4.00		
2.89	YES								
L0012213	0	0.61960E-06	442871.3	3772631.4	349.9	3.11	4.00		
2.89	YES								
L0012214	0	0.61960E-06	442862.7	3772631.3	350.0	3.11	4.00		
2.89	YES								
L0012215	0	0.61960E-06	442855.9	3772633.1	350.1	3.11	4.00		
2.89	YES								
L0012216	0	0.61960E-06	442856.4	3772641.6	350.3	3.11	4.00		
2.89	YES								
L0012217	0	0.61960E-06	442856.9	3772650.2	350.4	3.11	4.00		
2.89	YES								
L0012218	0	0.61960E-06	442857.4	3772658.8	350.6	3.11	4.00		
2.89	YES								
L0012219	0	0.61960E-06	442857.3	3772666.8	350.7	3.11	4.00		
2.89	YES								
L0012220	0	0.61960E-06	442848.7	3772666.1	350.8	3.11	4.00		
2.89	YES								
L0012221	0	0.61960E-06	442840.1	3772665.4	350.9	3.11	4.00		
2.89	YES								
L0012222	0	0.47920E-07	442988.7	3772783.2	351.3	3.11	4.00		
2.89	YES								
L0012223	0	0.47920E-07	442988.6	3772774.6	351.1	3.11	4.00		
2.89	YES								
L0012224	0	0.47920E-07	442988.4	3772766.0	350.9	3.11	4.00		
2.89	YES								
L0012225	0	0.47920E-07	442988.2	3772757.4	350.7	3.11	4.00		

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2.89	YES							
L0012226		0	0.47920E-07	442988.1	3772748.8	350.4	3.11	4.00
2.89	YES							
L0012227		0	0.47920E-07	442987.9	3772740.2	350.1	3.11	4.00
2.89	YES							
L0012228		0	0.47920E-07	442987.7	3772731.6	349.8	3.11	4.00
2.89	YES							
L0012229		0	0.47920E-07	442987.6	3772723.0	349.5	3.11	4.00
2.89	YES							
L0012230		0	0.47920E-07	442987.4	3772714.4	349.3	3.11	4.00
2.89	YES							
L0012231		0	0.47920E-07	442987.3	3772705.8	349.1	3.11	4.00
2.89	YES							
L0012232		0	0.47920E-07	442987.1	3772697.2	349.0	3.11	4.00
2.89	YES							
L0012233		0	0.47920E-07	442986.9	3772688.6	348.8	3.11	4.00
2.89	YES							
L0012234		0	0.47920E-07	442986.8	3772680.0	348.8	3.11	4.00
2.89	YES							
L0012235		0	0.24080E-07	443087.8	3772653.4	347.1	3.11	4.00
2.89	YES							
L0012236		0	0.24080E-07	443096.4	3772653.5	347.1	3.11	4.00
2.89	YES							
L0012237		0	0.24080E-07	443105.0	3772653.7	347.2	3.11	4.00
2.89	YES							
L0012238		0	0.24080E-07	443113.6	3772653.9	347.3	3.11	4.00
2.89	YES							
L0012239		0	0.24080E-07	443122.2	3772654.1	347.5	3.11	4.00
2.89	YES							
L0012240		0	0.24080E-07	443130.8	3772654.2	347.6	3.11	4.00
2.89	YES							
L0012241		0	0.24080E-07	443139.4	3772654.4	347.6	3.11	4.00
2.89	YES							
L0012242		0	0.24080E-07	443148.0	3772654.6	347.6	3.11	4.00
2.89	YES							
L0012243		0	0.24080E-07	443156.6	3772654.8	347.6	3.11	4.00
2.89	YES							
L0012244		0	0.24080E-07	443165.2	3772654.9	347.5	3.11	4.00
2.89	YES							
L0012245		0	0.24080E-07	443173.8	3772655.1	347.5	3.11	4.00
2.89	YES							
L0012246		0	0.24080E-07	443182.4	3772655.3	347.4	3.11	4.00
2.89	YES							
L0012247		0	0.52500E-07	443306.1	3772854.0	348.9	3.11	4.00
2.89	YES							
L0012248		0	0.52500E-07	443314.7	3772854.1	348.8	3.11	4.00
2.89	YES							
L0012249		0	0.52500E-07	443323.3	3772854.1	348.7	3.11	4.00

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2.89 YES  
 L0012250 0 0.52500E-07 443331.9 3772854.2 348.6 3.11 4.00

2.89 YES

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\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE	BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE		ELEV.	HEIGHT	SY
ID	SOURCE	SCALAR	(GRAMS/SEC)	X	Y	(METERS)	(METERS)
(METERS)		CATS.	VARY	(METERS)	(METERS)	(METERS)	(METERS)
		BY					

L0012251	0	0.52500E-07	443340.5	3772854.2	348.4	3.11	4.00
2.89 YES							
L0012252	0	0.52500E-07	443349.1	3772854.3	348.2	3.11	4.00
2.89 YES							
L0012253	0	0.52500E-07	443357.7	3772854.3	348.1	3.11	4.00
2.89 YES							
L0012254	0	0.52500E-07	443366.3	3772854.4	347.9	3.11	4.00
2.89 YES							
L0012255	0	0.52500E-07	443374.9	3772854.4	347.7	3.11	4.00
2.89 YES							
L0012256	0	0.52500E-07	443383.5	3772854.5	347.5	3.11	4.00
2.89 YES							
L0012257	0	0.52500E-07	443392.1	3772854.5	347.4	3.11	4.00
2.89 YES							
L0012258	0	0.52500E-07	443400.7	3772854.6	347.3	3.11	4.00
2.89 YES							
L0012259	0	0.52500E-07	443409.3	3772854.6	347.2	3.11	4.00
2.89 YES							
L0012260	0	0.52500E-07	443417.9	3772854.7	347.1	3.11	4.00
2.89 YES							
L0012261	0	0.52500E-07	443426.5	3772854.7	347.1	3.11	4.00
2.89 YES							
L0012262	0	0.52500E-07	443435.1	3772854.8	347.0	3.11	4.00
2.89 YES							
L0012263	0	0.52500E-07	443443.7	3772854.8	347.0	3.11	4.00



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2.89	YES							
L0012264		0	0.52500E-07	443452.3	3772854.9	346.9	3.11	4.00
2.89	YES							
L0012265		0	0.52500E-07	443460.9	3772854.9	346.9	3.11	4.00
2.89	YES							
L0012266		0	0.52500E-07	443469.5	3772855.0	346.8	3.11	4.00
2.89	YES							
L0012267		0	0.51300E-07	443311.2	3772672.9	345.4	3.11	4.00
2.89	YES							
L0012268		0	0.51300E-07	443319.8	3772672.8	345.3	3.11	4.00
2.89	YES							
L0012269		0	0.51300E-07	443328.4	3772672.8	345.2	3.11	4.00
2.89	YES							
L0012270		0	0.51300E-07	443337.0	3772672.7	345.2	3.11	4.00
2.89	YES							
L0012271		0	0.51300E-07	443345.6	3772672.7	345.2	3.11	4.00
2.89	YES							
L0012272		0	0.51300E-07	443354.2	3772672.7	345.2	3.11	4.00
2.89	YES							
L0012273		0	0.51300E-07	443362.8	3772672.6	345.2	3.11	4.00
2.89	YES							
L0012274		0	0.51300E-07	443371.4	3772672.6	345.1	3.11	4.00
2.89	YES							
L0012275		0	0.51300E-07	443380.0	3772672.5	345.1	3.11	4.00
2.89	YES							
L0012276		0	0.51300E-07	443388.6	3772672.5	344.9	3.11	4.00
2.89	YES							
L0012277		0	0.51300E-07	443397.2	3772672.4	344.8	3.11	4.00
2.89	YES							
L0012278		0	0.51300E-07	443405.8	3772672.4	344.6	3.11	4.00
2.89	YES							
L0012279		0	0.51300E-07	443414.4	3772672.3	344.2	3.11	4.00
2.89	YES							
L0012280		0	0.51300E-07	443423.0	3772672.3	343.8	3.11	4.00
2.89	YES							
L0012281		0	0.51300E-07	443431.6	3772672.3	343.4	3.11	4.00
2.89	YES							
L0012282		0	0.51300E-07	443440.2	3772672.2	343.2	3.11	4.00
2.89	YES							
L0012283		0	0.51300E-07	443448.8	3772672.2	343.1	3.11	4.00
2.89	YES							
L0012284		0	0.51300E-07	443457.4	3772672.1	343.1	3.11	4.00
2.89	YES							
L0012285		0	0.51300E-07	443466.0	3772672.1	343.1	3.11	4.00
2.89	YES							
L0012286		0	0.51300E-07	443474.6	3772672.0	343.1	3.11	4.00
2.89	YES							
L0012287		0	0.51300E-07	443483.2	3772672.0	343.1	3.11	4.00

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2.89 YES  
 L0012288 0 0.51300E-07 443491.8 3772671.9 343.0 3.11 4.00  
 2.89 YES  
 L0012289 0 0.51300E-07 443500.4 3772671.9 343.0 3.11 4.00  
 2.89 YES  
 L0011473 0 0.87590E-06 443628.5 3772941.8 347.3 3.11 4.00  
 2.89 YES  
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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY	X	Y	(METERS)	(METERS)	(METERS)
ID		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								
L0011474		0	0.87590E-06	443628.6	3772933.2	347.0	3.11	4.00
2.89	YES							
L0011475		0	0.87590E-06	443628.7	3772924.6	346.7	3.11	4.00
2.89	YES							
L0011476		0	0.87590E-06	443628.8	3772916.0	346.5	3.11	4.00
2.89	YES							
L0011477		0	0.87590E-06	443628.9	3772907.4	346.2	3.11	4.00
2.89	YES							
L0011478		0	0.87590E-06	443629.0	3772898.8	346.0	3.11	4.00
2.89	YES							
L0011479		0	0.87590E-06	443629.1	3772890.2	345.8	3.11	4.00
2.89	YES							
L0011480		0	0.87590E-06	443629.2	3772881.6	345.6	3.11	4.00
2.89	YES							
L0011481		0	0.87590E-06	443629.3	3772873.0	345.4	3.11	4.00
2.89	YES							
L0011482		0	0.87590E-06	443629.4	3772864.4	345.3	3.11	4.00
2.89	YES							
L0011483		0	0.87590E-06	443629.6	3772855.8	345.1	3.11	4.00
2.89	YES							
L0011484		0	0.87590E-06	443629.7	3772847.2	345.0	3.11	4.00

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2.89	YES							
L0011485		0	0.87590E-06	443629.8	3772838.6	344.9	3.11	4.00
2.89	YES							
L0011486		0	0.87590E-06	443629.9	3772830.0	344.8	3.11	4.00
2.89	YES							
L0011487		0	0.87590E-06	443630.0	3772821.4	344.7	3.11	4.00
2.89	YES							
L0011488		0	0.87590E-06	443630.1	3772812.8	344.6	3.11	4.00
2.89	YES							
L0011489		0	0.87590E-06	443630.2	3772804.2	344.4	3.11	4.00
2.89	YES							
L0011490		0	0.87590E-06	443630.3	3772795.6	344.2	3.11	4.00
2.89	YES							
L0011491		0	0.87590E-06	443630.4	3772787.0	344.0	3.11	4.00
2.89	YES							
L0011492		0	0.87590E-06	443630.5	3772778.4	343.8	3.11	4.00
2.89	YES							
L0011493		0	0.87590E-06	443630.6	3772769.8	343.7	3.11	4.00
2.89	YES							
L0011494		0	0.87590E-06	443630.8	3772761.2	343.6	3.11	4.00
2.89	YES							
L0011495		0	0.87590E-06	443630.9	3772752.6	343.6	3.11	4.00
2.89	YES							
L0011496		0	0.87590E-06	443631.0	3772744.0	343.5	3.11	4.00
2.89	YES							
L0011497		0	0.87590E-06	443631.1	3772735.4	343.5	3.11	4.00
2.89	YES							
L0011498		0	0.87590E-06	443631.2	3772726.8	343.5	3.11	4.00
2.89	YES							
L0011499		0	0.87590E-06	443631.3	3772718.2	343.5	3.11	4.00
2.89	YES							
L0011500		0	0.87590E-06	443631.4	3772709.6	343.5	3.11	4.00
2.89	YES							
L0011501		0	0.87590E-06	443631.5	3772701.0	343.5	3.11	4.00

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\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

SRCGROUP ID

SOURCE IDs

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L0011536 , L0011537 , L0011538 ,

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, L0011545 , L0011546 ,

L0011552      L0011547 , L0011548 , L0011549 , L0011550 , L0011551 ,
, L0011553 , L0011554 ,

L0011560      L0011555 , L0011556 , L0011557 , L0011558 , L0011559 ,
, L0011561 , L0011562 ,

L0011568      L0011563 , L0011564 , L0011565 , L0011566 , L0011567 ,
, L0011569 , L0011570 ,

L0011576      L0011571 , L0011572 , L0011573 , L0011574 , L0011575 ,
, L0011577 , L0011578 ,

L0011584      L0011579 , L0011580 , L0011581 , L0011582 , L0011583 ,
, L0011585 , L0011586 ,

L0011592      L0011587 , L0011588 , L0011589 , L0011590 , L0011591 ,
, L0011593 , L0011594 ,

L0011600      L0011595 , L0011596 , L0011597 , L0011598 , L0011599 ,
, L0011601 , L0011602 ,

L0011608      L0011603 , L0011604 , L0011605 , L0011606 , L0011607 ,
, L0011609 , L0011610 ,

L0011616      L0011611 , L0011612 , L0011613 , L0011614 , L0011615 ,
, L0011617 , L0011618 ,

L0011624      L0011619 , L0011620 , L0011621 , L0011622 , L0011623 ,
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L0011632      L0011627 , L0011628 , L0011629 , L0011630 , L0011631 ,
, L0011633 , L0011634 ,

L0011640      L0011635 , L0011636 , L0011637 , L0011638 , L0011639 ,
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L0011648      L0011643 , L0011644 , L0011645 , L0011646 , L0011647 ,
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L0011656 L0011651 , L0011652 , L0011653 , L0011654 , L0011655 ,  
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L0011664 L0011659 , L0011660 , L0011661 , L0011662 , L0011663 ,  
, L0011665 , L0011666 ,

L0011672 L0011667 , L0011668 , L0011669 , L0011670 , L0011671 ,  
, L0011673 , L0011674 ,

L0011680 L0011675 , L0011676 , L0011677 , L0011678 , L0011679 ,  
, L0011681 , L0011682 ,

L0011688 L0011683 , L0011684 , L0011685 , L0011686 , L0011687 ,  
, L0011689 , L0011690 ,

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\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

SRCGROUP ID

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SOURCE IDs

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L0011696 L0011691 , L0011692 , L0011693 , L0011694 , L0011695 ,  
, L0011697 , L0011698 ,

L0011704 L0011699 , L0011700 , L0011701 , L0011702 , L0011703 ,  
, L0011705 , L0011706 ,

L0011712 L0011707 , L0011708 , L0011709 , L0011710 , L0011711 ,  
, L0011713 , L0011714 ,

L0011720 L0011715 , L0011716 , L0011717 , L0011718 , L0011719 ,  
, L0011721 , L0011722 ,

L0011728 L0011723 , L0011724 , L0011725 , L0011726 , L0011727 ,  
, L0011729 , L0011730 ,

L0011736 L0011731 , L0011732 , L0011733 , L0011734 , L0011735 ,  
, L0011737 , L0011738 ,

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L0011744 , L0011739 , L0011740 , L0011741 , L0011742 , L0011743 ,  
 , L0011745 , L0011746 , ,

L0011752 , L0011747 , L0011748 , L0011749 , L0011750 , L0011751 ,  
 , L0011753 , L0011754 , ,

L0011760 , L0011755 , L0011756 , L0011757 , L0011758 , L0011759 ,  
 , L0011761 , L0011762 , ,

L0011768 , L0011763 , L0011764 , L0011765 , L0011766 , L0011767 ,  
 , L0011769 , L0011770 , ,

L0011776 , L0011771 , L0011772 , L0011773 , L0011774 , L0011775 ,  
 , L0011777 , L0011778 , ,

L0011784 , L0011779 , L0011780 , L0011781 , L0011782 , L0011783 ,  
 , L0011785 , L0011786 , ,

L0011792 , L0011787 , L0011788 , L0011789 , L0011790 , L0011791 ,  
 , L0011793 , L0011794 , ,

L0011800 , L0011795 , L0011796 , L0011797 , L0011798 , L0011799 ,  
 , L0011801 , L0011802 , ,

L0011808 , L0011803 , L0011804 , L0011805 , L0011806 , L0011807 ,  
 , L0011809 , L0011810 , ,

L0011816 , L0011811 , L0011812 , L0011813 , L0011814 , L0011815 ,  
 , L0011817 , L0011818 , ,

L0011824 , L0011819 , L0011820 , L0011821 , L0011822 , L0011823 ,  
 , L0011825 , L0011826 , ,

L0011832 , L0011827 , L0011828 , L0011829 , L0011830 , L0011831 ,  
 , L0011833 , L0011834 , ,

L0011840 , L0011835 , L0011836 , L0011837 , L0011838 , L0011839 ,  
 , L0011841 , L0011842 , ,

L0011848 , L0011843 , L0011844 , L0011845 , L0011846 , L0011847 ,  
 , L0011849 , L0011850 , ,

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\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

SRCGROUP ID	SOURCE IDs					
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	, L0011857	, L0011858	,			
L0011864	L0011859	, L0011860	, L0011861	, L0011862	, L0011863	,
	, L0011865	, L0011866	,			
L0011872	L0011867	, L0011868	, L0011869	, L0011870	, L0011871	,
	, L0011873	, L0011874	,			
L0011880	L0011875	, L0011876	, L0011877	, L0011878	, L0011879	,
	, L0011881	, L0011882	,			
L0011888	L0011883	, L0011884	, L0011885	, L0011886	, L0011887	,
	, L0011889	, L0011890	,			
L0011896	L0011891	, L0011892	, L0011893	, L0011894	, L0011895	,
	, L0011897	, L0011898	,			
L0011904	L0011899	, L0011900	, L0011901	, L0011902	, L0011903	,
	, L0011905	, L0011906	,			
L0011912	L0011907	, L0011908	, L0011909	, L0011910	, L0011911	,
	, L0011913	, L0011914	,			
L0011920	L0011915	, L0011916	, L0011917	, L0011918	, L0011919	,
	, L0011921	, L0011922	,			
L0011928	L0011923	, L0011924	, L0011925	, L0011926	, L0011927	,
	, L0011929	, L0011930	,			
L0011936	L0011931	, L0011932	, L0011933	, L0011934	, L0011935	,
	, L0011937	, L0011938	,			
L0011944	L0011939	, L0011940	, L0011941	, L0011942	, L0011943	,
	, L0011945	, L0011946	,			
L0011952	L0011947	, L0011948	, L0011949	, L0011950	, L0011951	,
	, L0011953	, L0011954	,			

9th\_and\_Vineyard.ADO

L0011960 , L0011955 , L0011956 , L0011957 , L0011958 , L0011959 ,  
 , L0011961 , L0011962 , ,

L0011968 , L0011963 , L0011964 , L0011965 , L0011966 , L0011967 ,  
 , L0011969 , L0011970 , ,

L0011976 , L0011971 , L0011972 , L0011973 , L0011974 , L0011975 ,  
 , L0011977 , L0011978 , ,

L0011984 , L0011979 , L0011980 , L0011981 , L0011982 , L0011983 ,  
 , L0011985 , L0011986 , ,

L0011992 , L0011987 , L0011988 , L0011989 , L0011990 , L0011991 ,  
 , L0011993 , L0011994 , ,

L0012000 , L0011995 , L0011996 , L0011997 , L0011998 , L0011999 ,  
 , L0012001 , L0012002 , ,

L0012008 , L0012003 , L0012004 , L0012005 , L0012006 , L0012007 ,  
 , L0012009 , L0012010 , ,

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

SRCGROUP ID	SOURCE IDs
-----	-----
L0012016 , L0012011 , L0012012 , L0012013 , L0012014 , L0012015 , , L0012017 , L0012018 , ,	
L0012024 , L0012019 , L0012020 , L0012021 , L0012022 , L0012023 , , L0012025 , L0012026 , ,	
L0012032 , L0012027 , L0012028 , L0012029 , L0012030 , L0012031 , , L0012033 , L0012034 , ,	
L0012040 , L0012035 , L0012036 , L0012037 , L0012038 , L0012039 , , L0012041 , L0012042 , ,	



9th\_and\_Vineyard.ADO

L0012048      L0012043 , L0012044 , L0012045 , L0012046 , L0012047 ,  
                  , L0012049 , L0012050 , ,  
  
L0012056      L0012051 , L0012052 , L0012053 , L0012054 , L0012055 ,  
                  , L0012057 , L0012058 , ,  
  
L0012064      L0012059 , L0012060 , L0012061 , L0012062 , L0012063 ,  
                  , L0012065 , L0012066 , ,  
  
L0012072      L0012067 , L0012068 , L0012069 , L0012070 , L0012071 ,  
                  , L0012073 , L0012074 , ,  
  
L0012080      L0012075 , L0012076 , L0012077 , L0012078 , L0012079 ,  
                  , L0012081 , L0012082 , ,  
  
L0012088      L0012083 , L0012084 , L0012085 , L0012086 , L0012087 ,  
                  , L0012089 , L0012090 , ,  
  
L0012096      L0012091 , L0012092 , L0012093 , L0012094 , L0012095 ,  
                  , L0012097 , L0012098 , ,  
  
L0012104      L0012099 , L0012100 , L0012101 , L0012102 , L0012103 ,  
                  , L0012105 , L0012106 , ,  
  
L0012112      L0012107 , L0012108 , L0012109 , L0012110 , L0012111 ,  
                  , L0012113 , L0012114 , ,  
  
L0012120      L0012115 , L0012116 , L0012117 , L0012118 , L0012119 ,  
                  , L0012121 , L0012122 , ,  
  
L0012128      L0012123 , L0012124 , L0012125 , L0012126 , L0012127 ,  
                  , L0012129 , L0012130 , ,  
  
L0012136      L0012131 , L0012132 , L0012133 , L0012134 , L0012135 ,  
                  , L0012137 , L0012138 , ,  
  
L0012144      L0012139 , L0012140 , L0012141 , L0012142 , L0012143 ,  
                  , L0012145 , L0012146 , ,  
  
L0012152      L0012147 , L0012148 , L0012149 , L0012150 , L0012151 ,  
                  , L0012153 , L0012154 , ,  
  
L0012160      L0012155 , L0012156 , L0012157 , L0012158 , L0012159 ,  
                  , L0012161 , L0012162 , ,  
  
L0012168      L0012163 , L0012164 , L0012165 , L0012166 , L0012167 ,  
                  , L0012169 , L0012170 , ,

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

SRCGROUP ID	SOURCE IDs
-----	-----
L0012176	L0012171 , L0012172 , L0012173 , L0012174 , L0012175 , , L0012177 , L0012178 ,
L0012184	L0012179 , L0012180 , L0012181 , L0012182 , L0012183 , , L0012185 , L0012186 ,
L0012192	L0012187 , L0012188 , L0012189 , L0012190 , L0012191 , , L0012193 , L0012194 ,
L0012200	L0012195 , L0012196 , L0012197 , L0012198 , L0012199 , , L0012201 , L0012202 ,
L0012208	L0012203 , L0012204 , L0012205 , L0012206 , L0012207 , , L0012209 , L0012210 ,
L0012216	L0012211 , L0012212 , L0012213 , L0012214 , L0012215 , , L0012217 , L0012218 ,
L0012224	L0012219 , L0012220 , L0012221 , L0012222 , L0012223 , , L0012225 , L0012226 ,
L0012232	L0012227 , L0012228 , L0012229 , L0012230 , L0012231 , , L0012233 , L0012234 ,
L0012240	L0012235 , L0012236 , L0012237 , L0012238 , L0012239 , , L0012241 , L0012242 ,
L0012248	L0012243 , L0012244 , L0012245 , L0012246 , L0012247 , , L0012249 , L0012250 ,
L0012256	L0012251 , L0012252 , L0012253 , L0012254 , L0012255 , , L0012257 , L0012258 ,

9th\_and\_Vineyard.ADO

L0012264 , L0012259 , L0012260 , L0012261 , L0012262 , L0012263 ,  
 , L0012265 , L0012266 , ,

L0012272 , L0012267 , L0012268 , L0012269 , L0012270 , L0012271 ,  
 , L0012273 , L0012274 , ,

L0012280 , L0012275 , L0012276 , L0012277 , L0012278 , L0012279 ,  
 , L0012281 , L0012282 , ,

L0012288 , L0012283 , L0012284 , L0012285 , L0012286 , L0012287 ,  
 , L0012289 , L0011473 , ,

L0011479 , L0011474 , L0011475 , L0011476 , L0011477 , L0011478 ,  
 , L0011480 , L0011481 , ,

L0011487 , L0011482 , L0011483 , L0011484 , L0011485 , L0011486 ,  
 , L0011488 , L0011489 , ,

L0011495 , L0011490 , L0011491 , L0011492 , L0011493 , L0011494 ,  
 , L0011496 , L0011497 , ,

L0011498 , L0011499 , L0011500 , L0011501 ,

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINED AS URBAN SOURCES

\*\*\*

URBAN ID	URBAN POP	SOURCE IDs			
-----	-----	-----	-----	-----	-----
L0011535	2035210.	L0011531	, L0011532	, L0011533	, L0011534
L0011538	, L0011536	, L0011537	, ,		
L0011544	L0011539	, L0011540	, L0011541	, L0011542	, L0011543
	, L0011545	, L0011546	, ,		
L0011552	L0011547	, L0011548	, L0011549	, L0011550	, L0011551
	, L0011553	, L0011554	, ,		

9th\_and\_Vineyard.ADO

L0011560 L0011555 , L0011556 , L0011557 , L0011558 , L0011559 ,  
 , L0011561 , L0011562 , ,

L0011568 L0011563 , L0011564 , L0011565 , L0011566 , L0011567 ,  
 , L0011569 , L0011570 , ,

L0011576 L0011571 , L0011572 , L0011573 , L0011574 , L0011575 ,  
 , L0011577 , L0011578 , ,

L0011584 L0011579 , L0011580 , L0011581 , L0011582 , L0011583 ,  
 , L0011585 , L0011586 , ,

L0011592 L0011587 , L0011588 , L0011589 , L0011590 , L0011591 ,  
 , L0011593 , L0011594 , ,

L0011600 L0011595 , L0011596 , L0011597 , L0011598 , L0011599 ,  
 , L0011601 , L0011602 , ,

L0011608 L0011603 , L0011604 , L0011605 , L0011606 , L0011607 ,  
 , L0011609 , L0011610 , ,

L0011616 L0011611 , L0011612 , L0011613 , L0011614 , L0011615 ,  
 , L0011617 , L0011618 , ,

L0011624 L0011619 , L0011620 , L0011621 , L0011622 , L0011623 ,  
 , L0011625 , L0011626 , ,

L0011632 L0011627 , L0011628 , L0011629 , L0011630 , L0011631 ,  
 , L0011633 , L0011634 , ,

L0011640 L0011635 , L0011636 , L0011637 , L0011638 , L0011639 ,  
 , L0011641 , L0011642 , ,

L0011648 L0011643 , L0011644 , L0011645 , L0011646 , L0011647 ,  
 , L0011649 , L0011650 , ,

L0011656 L0011651 , L0011652 , L0011653 , L0011654 , L0011655 ,  
 , L0011657 , L0011658 , ,

L0011664 L0011659 , L0011660 , L0011661 , L0011662 , L0011663 ,  
 , L0011665 , L0011666 , ,

L0011672 L0011667 , L0011668 , L0011669 , L0011670 , L0011671 ,  
 , L0011673 , L0011674 , ,

L0011680 L0011675 , L0011676 , L0011677 , L0011678 , L0011679 ,  
 , L0011681 , L0011682 , ,

9th\_and\_Vineyard.ADO

L0011683 , L0011684 , L0011685 , L0011686 , L0011687 ,  
 L0011688 , L0011689 , L0011690 ,  
 \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
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 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINED AS URBAN SOURCES

\*\*\*

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0011696	L0011691 , L0011697	L0011692 , L0011693 , L0011694 , L0011695 , L0011698
L0011704	L0011699 , L0011705	L0011700 , L0011701 , L0011702 , L0011703 , L0011706
L0011712	L0011707 , L0011713	L0011708 , L0011709 , L0011710 , L0011711 , L0011714
L0011720	L0011715 , L0011721	L0011716 , L0011717 , L0011718 , L0011719 , L0011722
L0011728	L0011723 , L0011729	L0011724 , L0011725 , L0011726 , L0011727 , L0011730
L0011736	L0011731 , L0011737	L0011732 , L0011733 , L0011734 , L0011735 , L0011738
L0011744	L0011739 , L0011745	L0011740 , L0011741 , L0011742 , L0011743 , L0011746
L0011752	L0011747 , L0011753	L0011748 , L0011749 , L0011750 , L0011751 , L0011754
L0011760	L0011755 , L0011761	L0011756 , L0011757 , L0011758 , L0011759 , L0011762
L0011768	L0011763 , L0011769	L0011764 , L0011765 , L0011766 , L0011767 , L0011770

9th\_and\_Vineyard.ADO

L0011776 , L0011771 , L0011772 , L0011773 , L0011774 , L0011775 ,  
 , L0011777 , L0011778 , ,

L0011784 , L0011779 , L0011780 , L0011781 , L0011782 , L0011783 ,  
 , L0011785 , L0011786 , ,

L0011792 , L0011787 , L0011788 , L0011789 , L0011790 , L0011791 ,  
 , L0011793 , L0011794 , ,

L0011800 , L0011795 , L0011796 , L0011797 , L0011798 , L0011799 ,  
 , L0011801 , L0011802 , ,

L0011808 , L0011803 , L0011804 , L0011805 , L0011806 , L0011807 ,  
 , L0011809 , L0011810 , ,

L0011816 , L0011811 , L0011812 , L0011813 , L0011814 , L0011815 ,  
 , L0011817 , L0011818 , ,

L0011824 , L0011819 , L0011820 , L0011821 , L0011822 , L0011823 ,  
 , L0011825 , L0011826 , ,

L0011832 , L0011827 , L0011828 , L0011829 , L0011830 , L0011831 ,  
 , L0011833 , L0011834 , ,

L0011840 , L0011835 , L0011836 , L0011837 , L0011838 , L0011839 ,  
 , L0011841 , L0011842 , ,

L0011848 , L0011843 , L0011844 , L0011845 , L0011846 , L0011847 ,  
 , L0011849 , L0011850 , ,

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
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 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINED AS URBAN SOURCES

\*\*\*

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----

L0011856 , L0011851 , L0011852 , L0011853 , L0011854 , L0011855 ,  
 , L0011857 , L0011858 , ,

9th\_and\_Vineyard.ADO

L0011864 L0011859 , L0011860 , L0011861 , L0011862 , L0011863 ,  
 , L0011865 , L0011866 , ,

L0011872 L0011867 , L0011868 , L0011869 , L0011870 , L0011871 ,  
 , L0011873 , L0011874 , ,

L0011880 L0011875 , L0011876 , L0011877 , L0011878 , L0011879 ,  
 , L0011881 , L0011882 , ,

L0011888 L0011883 , L0011884 , L0011885 , L0011886 , L0011887 ,  
 , L0011889 , L0011890 , ,

L0011896 L0011891 , L0011892 , L0011893 , L0011894 , L0011895 ,  
 , L0011897 , L0011898 , ,

L0011904 L0011899 , L0011900 , L0011901 , L0011902 , L0011903 ,  
 , L0011905 , L0011906 , ,

L0011912 L0011907 , L0011908 , L0011909 , L0011910 , L0011911 ,  
 , L0011913 , L0011914 , ,

L0011920 L0011915 , L0011916 , L0011917 , L0011918 , L0011919 ,  
 , L0011921 , L0011922 , ,

L0011928 L0011923 , L0011924 , L0011925 , L0011926 , L0011927 ,  
 , L0011929 , L0011930 , ,

L0011936 L0011931 , L0011932 , L0011933 , L0011934 , L0011935 ,  
 , L0011937 , L0011938 , ,

L0011944 L0011939 , L0011940 , L0011941 , L0011942 , L0011943 ,  
 , L0011945 , L0011946 , ,

L0011952 L0011947 , L0011948 , L0011949 , L0011950 , L0011951 ,  
 , L0011953 , L0011954 , ,

L0011960 L0011955 , L0011956 , L0011957 , L0011958 , L0011959 ,  
 , L0011961 , L0011962 , ,

L0011968 L0011963 , L0011964 , L0011965 , L0011966 , L0011967 ,  
 , L0011969 , L0011970 , ,

L0011976 L0011971 , L0011972 , L0011973 , L0011974 , L0011975 ,  
 , L0011977 , L0011978 , ,

L0011984 L0011979 , L0011980 , L0011981 , L0011982 , L0011983 ,  
 , L0011985 , L0011986 , ,

9th\_and\_Vineyard.ADO

L0011992 , L0011987 , L0011988 , L0011989 , L0011990 , L0011991 ,  
L0011993 , L0011994 ,

L0012000 , L0011995 , L0011996 , L0011997 , L0011998 , L0011999 ,  
L0012001 , L0012002 ,

L0012008 , L0012003 , L0012004 , L0012005 , L0012006 , L0012007 ,  
L0012009 , L0012010 ,

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINED AS URBAN SOURCES

\*\*\*

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0012016	L0012011 , L0012012 , L0012013 , L0012014 , L0012015 , L0012017 , L0012018 ,	
L0012024	L0012019 , L0012020 , L0012021 , L0012022 , L0012023 , L0012025 , L0012026 ,	
L0012032	L0012027 , L0012028 , L0012029 , L0012030 , L0012031 , L0012033 , L0012034 ,	
L0012040	L0012035 , L0012036 , L0012037 , L0012038 , L0012039 , L0012041 , L0012042 ,	
L0012048	L0012043 , L0012044 , L0012045 , L0012046 , L0012047 , L0012049 , L0012050 ,	
L0012056	L0012051 , L0012052 , L0012053 , L0012054 , L0012055 , L0012057 , L0012058 ,	
L0012064	L0012059 , L0012060 , L0012061 , L0012062 , L0012063 , L0012065 , L0012066 ,	
L0012072	L0012067 , L0012068 , L0012069 , L0012070 , L0012071 , L0012073 , L0012074 ,	



9th\_and\_Vineyard.ADO

L0012080 , L0012075 , L0012076 , L0012077 , L0012078 , L0012079 ,  
 , L0012081 , L0012082 , ,

L0012088 , L0012083 , L0012084 , L0012085 , L0012086 , L0012087 ,  
 , L0012089 , L0012090 , ,

L0012096 , L0012091 , L0012092 , L0012093 , L0012094 , L0012095 ,  
 , L0012097 , L0012098 , ,

L0012104 , L0012099 , L0012100 , L0012101 , L0012102 , L0012103 ,  
 , L0012105 , L0012106 , ,

L0012112 , L0012107 , L0012108 , L0012109 , L0012110 , L0012111 ,  
 , L0012113 , L0012114 , ,

L0012120 , L0012115 , L0012116 , L0012117 , L0012118 , L0012119 ,  
 , L0012121 , L0012122 , ,

L0012128 , L0012123 , L0012124 , L0012125 , L0012126 , L0012127 ,  
 , L0012129 , L0012130 , ,

L0012136 , L0012131 , L0012132 , L0012133 , L0012134 , L0012135 ,  
 , L0012137 , L0012138 , ,

L0012144 , L0012139 , L0012140 , L0012141 , L0012142 , L0012143 ,  
 , L0012145 , L0012146 , ,

L0012152 , L0012147 , L0012148 , L0012149 , L0012150 , L0012151 ,  
 , L0012153 , L0012154 , ,

L0012160 , L0012155 , L0012156 , L0012157 , L0012158 , L0012159 ,  
 , L0012161 , L0012162 , ,

L0012168 , L0012163 , L0012164 , L0012165 , L0012166 , L0012167 ,  
 , L0012169 , L0012170 , ,

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINED AS URBAN SOURCES

\*\*\*

URBAN ID URBAN POP

SOURCE IDs

9th\_and\_Vineyard.ADO

```

-----
L0012176      L0012171      , L0012172      , L0012173      , L0012174      , L0012175      ,
              , L0012177      , L0012178      ,
L0012184      L0012179      , L0012180      , L0012181      , L0012182      , L0012183      ,
              , L0012185      , L0012186      ,
L0012192      L0012187      , L0012188      , L0012189      , L0012190      , L0012191      ,
              , L0012193      , L0012194      ,
L0012200      L0012195      , L0012196      , L0012197      , L0012198      , L0012199      ,
              , L0012201      , L0012202      ,
L0012208      L0012203      , L0012204      , L0012205      , L0012206      , L0012207      ,
              , L0012209      , L0012210      ,
L0012216      L0012211      , L0012212      , L0012213      , L0012214      , L0012215      ,
              , L0012217      , L0012218      ,
L0012224      L0012219      , L0012220      , L0012221      , L0012222      , L0012223      ,
              , L0012225      , L0012226      ,
L0012232      L0012227      , L0012228      , L0012229      , L0012230      , L0012231      ,
              , L0012233      , L0012234      ,
L0012240      L0012235      , L0012236      , L0012237      , L0012238      , L0012239      ,
              , L0012241      , L0012242      ,
L0012248      L0012243      , L0012244      , L0012245      , L0012246      , L0012247      ,
              , L0012249      , L0012250      ,
L0012256      L0012251      , L0012252      , L0012253      , L0012254      , L0012255      ,
              , L0012257      , L0012258      ,
L0012264      L0012259      , L0012260      , L0012261      , L0012262      , L0012263      ,
              , L0012265      , L0012266      ,
L0012272      L0012267      , L0012268      , L0012269      , L0012270      , L0012271      ,
              , L0012273      , L0012274      ,
L0012280      L0012275      , L0012276      , L0012277      , L0012278      , L0012279      ,
              , L0012281      , L0012282      ,
L0012288      L0012283      , L0012284      , L0012285      , L0012286      , L0012287      ,
              , L0012289      , L0011473      ,
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9th\_and\_Vineyard.ADO

L0011479 , L0011474 , L0011475 , L0011476 , L0011477 , L0011478 ,  
 , L0011480 , L0011481 , ,

L0011487 , L0011482 , L0011483 , L0011484 , L0011485 , L0011486 ,  
 , L0011488 , L0011489 , ,

L0011495 , L0011490 , L0011491 , L0011492 , L0011493 , L0011494 ,  
 , L0011496 , L0011497 , ,

L0011498 , L0011499 , L0011500 , L0011501 ,  
 ↑ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* GRIDDED RECEPTOR NETWORK SUMMARY \*\*\*

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\*\* X-COORDINATES OF GRID \*\*\*  
(METERS)

442487.9, 442537.9, 442587.9, 442637.9, 442687.9, 442737.9, 442787.9,

\*\*\* Y-COORDINATES OF GRID \*\*\*  
(METERS)

3772625.4, 3772675.4, 3772725.4, 3772775.4, 3772825.4, 3772875.4, 3772925.4,  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)
442487.94	442537.94
442587.94	442637.94
442687.94	442737.94
442787.94	442787.94

9th\_and\_Vineyard.ADO

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-----
-----
3772925.41 |      360.80      360.40      359.50      359.40      358.90
358.00      357.10
3772875.41 |      360.00      358.80      358.40      358.00      357.40
356.80      356.10
3772825.41 |      358.00      357.10      357.30      356.30      356.30
355.70      355.10
3772775.41 |      356.40      355.60      355.50      354.80      355.00
354.50      354.00
3772725.41 |      355.20      355.00      354.60      354.30      354.00
353.10      352.60
3772675.41 |      353.70      353.30      352.80      352.50      352.30
351.90      351.60
3772625.41 |      353.30      352.80      352.20      352.00      351.60
351.30      351.00

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↑ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART \*\*\*

\* HILL HEIGHT SCALES IN METERS \*

```

      Y-COORD |
      (METERS) |      442487.94      442537.94      442587.94      442637.94      442687.94
442737.94      442787.94

```

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-----
-----
3772925.41 |      360.80      360.40      359.50      359.40      358.90
358.00      357.10
3772875.41 |      360.00      358.80      358.40      358.00      357.40
356.80      356.10
3772825.41 |      358.00      357.10      357.30      356.30      356.30
355.70      355.10
3772775.41 |      356.40      355.60      355.50      354.80      355.00
354.50      354.00
3772725.41 |      355.20      355.00      354.60      354.30      354.00
353.10      352.60
3772675.41 |      353.70      353.30      352.80      352.50      352.30
351.90      351.60

```

9th\_and\_Vineyard.ADO

3772625.41 | 353.30 352.80 352.20 352.00 351.60  
351.30 351.00

\*\*\* AERMOD - VERSION 19191 \*\*\* Operations  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* GRIDDED RECEPTOR NETWORK SUMMARY \*\*\*

\*\*\* NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\*\* X-COORDINATES OF GRID \*\*\*  
(METERS)

442558.5, 442608.5, 442658.5, 442708.5, 442758.5, 442808.5,

\*\*\* Y-COORDINATES OF GRID \*\*\*  
(METERS)

3772974.4, 3773024.4, 3773074.4, 3773124.4, 3773174.4, 3773224.4,

\*\*\* AERMOD - VERSION 19191 \*\*\* Operations  
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\*\*\* AERMET - VERSION 16216 \*\*\*  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

Y-COORD | X-COORD (METERS)  
(METERS) | 442558.53 442608.53 442658.53 442708.53 442758.53  
442808.53

3773224.40 | 367.20 366.80 365.70 365.40 364.80  
364.00  
3773174.40 | 365.90 365.60 364.80 364.10 363.50  
362.80  
3773124.40 | 364.40 364.40 363.60 362.60 361.90

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361.50					
3773074.40		363.20	363.10	362.60	361.50 361.10
360.50					
3773024.40		361.90	361.90	361.50	360.50 360.60
359.70					
3772974.40		360.80	360.80	360.00	359.80 359.40
358.40					

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
 \*\*\* 09/17/20  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 12:32:25

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART \*\*\*

\* HILL HEIGHT SCALES IN METERS \*

Y-COORD (METERS)				X-COORD (METERS)	
442808.53		442558.53	442608.53	442658.53	442708.53 442758.53

-----

3773224.40		367.20	366.80	365.70	365.40 364.80
364.00					
3773174.40		365.90	365.60	364.80	364.10 363.50
362.80					
3773124.40		364.40	364.40	363.60	362.60 361.90
361.50					
3773074.40		363.20	363.10	362.60	361.50 361.10
360.50					
3773024.40		361.90	361.90	361.50	360.50 360.60
359.70					
3772974.40		360.80	360.80	360.00	359.80 359.40
358.40					

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
 \*\*\* 09/17/20  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* GRIDDED RECEPTOR NETWORK SUMMARY \*\*\*

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\*\*\* NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\*\* X-COORDINATES OF GRID \*\*\*  
(METERS)

442855.2, 442905.2, 442955.2, 443005.2,

\*\*\* Y-COORDINATES OF GRID \*\*\*  
(METERS)

3772855.9, 3772905.9, 3772955.9, 3773005.9, 3773055.9,

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
\*\*\* 09/17/20

\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

Y-COORD (METERS)	442855.23	442905.23	442955.23	443005.23
---------------------	-----------	-----------	-----------	-----------

3773055.87	359.40	358.40	357.60	357.20
3773005.87	358.80	358.00	357.30	356.70
3772955.87	357.20	356.70	356.10	355.50
3772905.87	356.10	355.50	355.00	354.00
3772855.87	354.80	354.10	353.80	353.00

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
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\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART \*\*\*

\* HILL HEIGHT SCALES IN METERS \*

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Y-COORD (METERS)				X-COORD (METERS)
	442855.23	442905.23	442955.23	443005.23

-----

3773055.87	359.40	358.40	357.60	357.20
3773005.87	358.80	358.00	357.30	356.70
3772955.87	357.20	356.70	356.10	355.50
3772905.87	356.10	355.50	355.00	354.00
3772855.87	354.80	354.10	353.80	353.00

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
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\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* GRIDDED RECEPTOR NETWORK SUMMARY \*\*\*

\*\*\* NETWORK ID: UCART4 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\*\* X-COORDINATES OF GRID \*\*\*  
(METERS)

443162.6, 443212.6, 443262.6,

\*\*\* Y-COORDINATES OF GRID \*\*\*  
(METERS)

3772971.4, 3773021.4, 3773071.4, 3773121.4, 3773171.4, 3773221.4, 3773271.4,

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* NETWORK ID: UCART4 ; NETWORK TYPE:

GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

Y-COORD (METERS)				X-COORD (METERS)
	443162.61	443212.61	443262.61	

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-----  
3773271.39 | 358.50 357.80 356.90  
3773221.39 | 357.70 357.20 356.00  
3773171.39 | 357.10 356.20 355.20  
3773121.39 | 356.10 355.30 354.60  
3773071.39 | 355.10 354.50 354.00  
3773021.39 | 354.00 353.30 352.70  
3772971.39 | 353.20 352.40 351.90

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
\*\*\* 09/17/20  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* NETWORK ID: UCART4 ; NETWORK TYPE:

GRIDCART \*\*\*

\* HILL HEIGHT SCALES IN METERS \*

Y-COORD | X-COORD (METERS)  
(METERS) | 443162.61 443212.61 443262.61  
-----

-----  
3773271.39 | 358.50 357.80 356.90  
3773221.39 | 357.70 357.20 356.00  
3773171.39 | 357.10 356.20 355.20  
3773121.39 | 356.10 355.30 354.60  
3773071.39 | 355.10 354.50 354.00  
3773021.39 | 354.00 353.30 352.70  
3772971.39 | 353.20 352.40 351.90

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
\*\*\* 09/17/20  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* GRIDDED RECEPTOR NETWORK SUMMARY \*\*\*

\*\*\* NETWORK ID: UCART5 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\*\* X-COORDINATES OF GRID \*\*\*

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(METERS)

442565.9, 442615.9, 442665.9, 442715.9, 442765.9, 442815.9, 442865.9,  
442915.9, 442965.9, 443015.9,  
443065.9, 443115.9, 443165.9, 443215.9, 443265.9, 443315.9, 443365.9,  
443415.9, 443465.9, 443515.9,  
443565.9,

\*\*\* Y-COORDINATES OF GRID \*\*\*  
(METERS)

3772206.4, 3772256.4, 3772306.4, 3772356.4, 3772406.4, 3772456.4, 3772506.4,

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
\*\*\* 09/17/20

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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

\*\*\* NETWORK ID: UCART5 ; NETWORK TYPE:

GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)				
	442565.93	442615.93	442665.93	442715.93	442765.93
442815.93	442865.93	442915.93	442965.93		

3772506.37	350.00	349.00	348.80	348.40	347.80
347.30	347.30	347.00	346.20		
3772456.37	349.60	348.40	348.10	347.30	346.70
346.10	346.20	345.90	345.10		
3772406.37	348.90	348.00	347.20	346.20	346.10
345.20	345.20	344.80	344.20		
3772356.37	348.30	347.60	346.80	345.60	345.30
344.40	344.30	343.80	343.20		
3772306.37	347.50	346.90	346.30	345.10	344.60
343.70	343.60	342.70	342.40		
3772256.37	346.30	346.10	345.60	344.50	344.20
343.10	342.80	341.40	340.90		
3772206.37	345.80	345.30	344.80	343.90	343.50
342.70	342.30	340.60	340.00		

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
\*\*\* 09/17/20

\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* NETWORK ID: UCART5 ; NETWORK TYPE:

GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)				
	443015.93	443065.93	443115.93	443165.93	443215.93
443265.93	443315.93	443365.93	443415.93		

3772506.37	345.40	344.80	344.30	343.70	343.20
343.00	342.50	341.90	341.40		
3772456.37	344.60	343.70	343.40	343.10	342.40
341.80	341.20	340.30	339.90		
3772406.37	343.80	343.00	342.50	342.00	341.50
340.80	340.20	339.30	338.90		
3772356.37	342.70	342.10	341.40	340.90	340.60
339.90	339.30	338.60	338.20		
3772306.37	341.90	341.20	340.60	339.60	339.50
338.90	338.30	337.60	337.40		
3772256.37	340.50	339.50	339.30	338.50	338.30
337.50	337.40	336.80	336.90		
3772206.37	339.60	339.00	338.60	337.90	337.70
337.00	337.30	336.60	336.60		

\*\*\* AERMOD - VERSION 19191 \*\*\* Operations 09/17/20

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* NETWORK ID: UCART5 ; NETWORK TYPE:

GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)		
	443465.93	443515.93	443565.93

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3772506.37	341.00	340.40	340.20
3772456.37	339.70	339.10	339.30
3772406.37	338.80	338.30	338.50
3772356.37	338.20	337.70	337.80
3772306.37	337.10	336.80	336.70
3772256.37	336.00	335.70	335.50
3772206.37	335.60	335.40	334.80

^ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
 \*\*\* 09/17/20  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* NETWORK ID: UCART5 ; NETWORK TYPE:

GRIDCART \*\*\*

\* HILL HEIGHT SCALES IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)				
	442565.93	442615.93	442665.93	442715.93	442765.93
442815.93	442865.93	442915.93	442965.93		

3772506.37	350.00	349.00	348.80	348.40	347.80
347.30	347.30	347.00	346.20		
3772456.37	349.60	348.40	348.10	347.30	346.70
346.10	346.20	345.90	345.10		
3772406.37	348.90	348.00	347.20	346.20	346.10
345.20	345.20	344.80	344.20		
3772356.37	348.30	347.60	346.80	345.60	345.30
344.40	344.30	343.80	343.20		
3772306.37	347.50	346.90	346.30	345.10	344.60
343.70	343.60	342.70	342.40		
3772256.37	346.30	346.10	345.60	344.50	344.20
343.10	342.80	341.40	340.90		
3772206.37	345.80	345.30	344.80	343.90	343.50
342.70	342.30	340.60	340.00		

^ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

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\*\*\* NETWORK ID: UCART5 ; NETWORK TYPE:

GRIDCART \*\*\*

\* HILL HEIGHT SCALES IN METERS \*

Y-COORD (METERS)	443015.93	443065.93	443115.93	443165.93	443215.93
443265.93	443315.93	443365.93	443415.93		

3772506.37	345.40	344.80	344.30	343.70	343.20
343.00	342.50	341.90	341.40		
3772456.37	344.60	343.70	343.40	343.10	342.40
341.80	341.20	340.30	339.90		
3772406.37	343.80	343.00	342.50	342.00	341.50
340.80	340.20	339.30	338.90		
3772356.37	342.70	342.10	341.40	340.90	340.60
339.90	339.30	338.60	338.20		
3772306.37	341.90	341.20	340.60	339.60	339.50
338.90	338.30	337.60	337.40		
3772256.37	340.50	339.50	339.30	338.50	338.30
337.50	337.40	336.80	336.90		
3772206.37	339.60	339.00	338.60	337.90	337.70
337.00	337.30	336.60	336.60		

\*\*\* AERMOD - VERSION 19191 \*\*\* Operations 09/17/20

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* NETWORK ID: UCART5 ; NETWORK TYPE:

GRIDCART \*\*\*

\* HILL HEIGHT SCALES IN METERS \*

Y-COORD (METERS)	443465.93	443515.93	443565.93
------------------	-----------	-----------	-----------

3772506.37	341.00	340.40	340.20
3772456.37	339.70	339.10	339.30
3772406.37	338.80	338.30	338.50
3772356.37	338.20	337.70	337.80
3772306.37	337.10	336.80	336.70

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3772256.37 | 336.00 335.70 335.50  
3772206.37 | 335.60 335.40 334.80

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* GRIDDED RECEPTOR NETWORK SUMMARY \*\*\*

\*\*\* NETWORK ID: UCART6 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\*\* X-COORDINATES OF GRID \*\*\*  
(METERS)

443311.9, 443361.9, 443411.9, 443461.9, 443511.9, 443561.9,

\*\*\* Y-COORDINATES OF GRID \*\*\*  
(METERS)

3771261.0, 3771311.0, 3771361.0, 3771411.0, 3771461.0, 3771511.0, 3771561.0,  
3771611.0, 3771661.0, 3771711.0,  
3771761.0, 3771811.0, 3771861.0, 3771911.0, 3771961.0, 3772011.0, 3772061.0,  
3772111.0,

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* NETWORK ID: UCART6 ; NETWORK TYPE:

GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

Y-COORD | X-COORD (METERS)  
(METERS) | 443311.88 443361.88 443411.88 443461.88 443511.88  
443561.88

-----  
-----  
3772111.00 | 335.40 334.60 334.10 334.00 333.90  
333.40

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3772061.00	334.90	333.70	333.30	333.30	334.00
333.40					
3772011.00	334.00	333.30	333.00	333.10	334.20
333.00					
3771961.00	333.00	332.70	332.30	332.10	332.50
332.30					
3771911.00	332.40	331.80	331.40	331.00	330.90
330.60					
3771861.00	331.80	331.20	330.80	330.30	329.80
329.50					
3771811.00	331.40	330.90	330.30	329.50	329.00
328.70					
3771761.00	330.90	330.40	329.50	328.80	328.20
328.00					
3771711.00	330.00	329.30	328.90	328.10	327.80
327.30					
3771661.00	329.60	328.60	328.50	327.50	327.10
326.20					
3771611.00	328.60	327.60	327.30	326.60	326.60
325.80					
3771561.00	327.50	326.90	326.60	326.10	325.90
325.60					
3771511.00	327.10	326.70	326.30	325.90	325.40
325.00					
3771461.00	326.10	326.00	325.30	325.20	324.30
324.10					
3771411.00	325.40	325.20	324.70	324.60	323.90
323.50					
3771361.00	324.50	324.20	323.90	323.70	323.40
323.00					
3771311.00	323.70	323.40	323.30	323.10	323.00
322.70					
3771261.00	322.90	322.60	322.30	322.20	322.30
321.90					

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

\*\*\* NETWORK ID: UCART6 ; NETWORK TYPE:

GRIDCART \*\*\*

\* HILL HEIGHT SCALES IN METERS \*

Y-COORD |

X-COORD (METERS)

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(METERS) | 443311.88 443361.88 443411.88 443461.88 443511.88  
 443561.88

-----

3772111.00	335.40	334.60	334.10	334.00	333.90
333.40					
3772061.00	334.90	333.70	333.30	333.30	334.00
333.40					
3772011.00	334.00	333.30	333.00	333.10	334.20
333.00					
3771961.00	333.00	332.70	332.30	332.10	332.50
332.30					
3771911.00	332.40	331.80	331.40	331.00	330.90
330.60					
3771861.00	331.80	331.20	330.80	330.30	329.80
329.50					
3771811.00	331.40	330.90	330.30	329.50	329.00
328.70					
3771761.00	330.90	330.40	329.50	328.80	328.20
328.00					
3771711.00	330.00	329.30	328.90	328.10	327.80
327.30					
3771661.00	329.60	328.60	328.50	327.50	327.10
326.20					
3771611.00	328.60	327.60	327.30	326.60	326.60
325.80					
3771561.00	327.50	326.90	326.60	326.10	325.90
325.60					
3771511.00	327.10	326.70	326.30	325.90	325.40
325.00					
3771461.00	326.10	326.00	325.30	325.20	324.30
324.10					
3771411.00	325.40	325.20	324.70	324.60	323.90
323.50					
3771361.00	324.50	324.20	323.90	323.70	323.40
323.00					
3771311.00	323.70	323.40	323.30	323.10	323.00
322.70					
3771261.00	322.90	322.60	322.30	322.20	322.30
321.90					

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*



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\*\*\* GRIDDED RECEPTOR NETWORK SUMMARY \*\*\*

\*\*\* NETWORK ID: UCART7 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\*\* X-COORDINATES OF GRID \*\*\*  
(METERS)

443658.2, 443708.2, 443758.2, 443808.2, 443858.2, 443908.2,

\*\*\* Y-COORDINATES OF GRID \*\*\*  
(METERS)

3771503.9, 3771553.9, 3771603.9, 3771653.9, 3771703.9, 3771753.9, 3771803.9,  
3771853.9, 3771903.9, 3771953.9,  
3772003.9, 3772053.9, 3772103.9, 3772153.9, 3772203.9, 3772253.9, 3772303.9,  
3772353.9, 3772403.9, 3772453.9,  
3772503.9,

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
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\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

\*\*\* NETWORK ID: UCART7 ; NETWORK TYPE:

GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

Y-COORD (METERS)	443658.23	443708.23	443758.23	443808.23	443858.23
443908.23					
3772503.89	339.40	338.80	338.90	338.90	335.80
336.90					
3772453.89	338.10	337.90	337.70	338.30	337.30
334.80					
3772403.89	337.30	336.60	336.40	337.00	336.40
335.90					
3772353.89	336.70	336.10	335.60	335.60	335.00
335.00					
3772303.89	335.80	335.30	334.90	334.70	334.40
334.00					

9th\_and\_Vineyard.ADO

3772253.89	335.40	335.10	334.80	334.20	334.00
333.20					
3772203.89	334.90	334.70	334.00	333.30	333.00
332.40					
3772153.89	334.30	333.80	333.70	332.40	331.90
331.60					
3772103.89	332.60	331.80	331.70	331.20	330.80
330.50					
3772053.89	330.60	330.00	330.50	330.40	330.10
329.70					
3772003.89	330.10	329.30	329.70	329.60	329.60
329.10					
3771953.89	329.40	329.00	328.90	328.70	328.50
328.10					
3771903.89	329.30	328.70	328.20	327.70	327.50
327.10					
3771853.89	328.90	328.20	327.60	327.00	326.80
326.60					
3771803.89	327.40	327.00	326.70	326.40	326.10
325.70					
3771753.89	327.10	326.70	326.50	325.90	325.70
325.30					
3771703.89	326.20	325.70	325.40	325.30	325.00
324.80					
3771653.89	325.70	325.20	325.00	324.50	324.10
324.00					
3771603.89	324.90	324.20	324.00	323.70	323.40
323.10					
3771553.89	324.80	323.80	323.20	323.40	323.00
322.40					
3771503.89	324.30	323.10	322.30	322.10	321.40
320.90					

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* NETWORK ID: UCART7 ; NETWORK TYPE:

GRIDCART \*\*\*

\* HILL HEIGHT SCALES IN METERS \*

Y-COORD				X-COORD (METERS)	
(METERS)	443658.23	443708.23	443758.23	443808.23	443858.23
443908.23					

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3772503.89	339.40	338.80	338.90	338.90	335.80
336.90					
3772453.89	338.10	337.90	337.70	338.30	337.30
334.80					
3772403.89	337.30	336.60	336.40	337.00	336.40
335.90					
3772353.89	336.70	336.10	335.60	335.60	335.00
335.00					
3772303.89	335.80	335.30	334.90	334.70	334.40
334.00					
3772253.89	335.40	335.10	334.80	334.20	334.00
333.20					
3772203.89	334.90	334.70	334.00	333.30	333.00
332.40					
3772153.89	334.30	333.80	333.70	332.40	331.90
331.60					
3772103.89	332.60	331.80	331.70	331.20	330.80
330.50					
3772053.89	330.60	330.00	330.50	330.40	330.10
329.70					
3772003.89	330.10	329.30	329.70	329.60	329.60
329.10					
3771953.89	329.40	329.00	328.90	328.70	328.50
328.10					
3771903.89	329.30	328.70	328.20	327.70	327.50
327.10					
3771853.89	328.90	328.20	327.60	327.00	326.80
326.60					
3771803.89	327.40	327.00	326.70	326.40	326.10
325.70					
3771753.89	327.10	326.70	326.50	325.90	325.70
325.30					
3771703.89	326.20	325.70	325.40	325.30	325.00
324.80					
3771653.89	325.70	325.20	325.00	324.50	324.10
324.00					
3771603.89	324.90	324.20	324.00	323.70	323.40
323.10					
3771553.89	324.80	323.80	323.20	323.40	323.00
322.40					
3771503.89	324.30	323.10	322.30	322.10	321.40
320.90					

▲ \*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* Operations  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT  
BE PERFORMED \*  
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR  
FASTAREA/FASTALL

DISTANCE	SOURCE	- - RECEPTOR LOCATION - -
(METERS)	ID	XR (METERS) YR (METERS)
0.60	L0011885	443005.2 3772955.9
0.30	L0011891	442955.2 3772955.9
0.30	L0011897	442905.2 3772955.9
0.58	L0011903	442855.2 3772955.9

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* METEOROLOGICAL DAYS SELECTED FOR  
PROCESSING \*\*\*  
(1=YES; 0=NO)

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1

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1 1
1 1
1 1
1 1
1 1

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

\*\*\* UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED
CATEGORIES \*\*\*
(METERS/SEC)

1.54, 3.09, 5.14, 8.23,

10.80,

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA \*\*\*

Surface file: \\orafp01\CA\_ORA\ORA\_AQN\095894015 - 9th and Vineyard Rancho
Cucamonga\5 HRA\5.1 Met Version: 16216
Profile file: \\orafp01\CA\_ORA\ORA\_AQN\095894015 - 9th and Vineyard Rancho
Cucamonga\5 HRA\5.1
Surface format: FREE
Profile format: FREE

Surface station no.: 3102 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2012 Year: 2012

Table with meteorological data headers: YR MO DY JDY HR, H0, U\*, W\*, DT/DZ, ZICNV, ZIMCH, M-O LEN, Z0, BOWEN. Includes values like 12 01 01, 1 01, -21.0, 0.218, -9.000, -999.245, 52.4, 0.34, 1.15.

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12 01 01	1 02	-21.0	0.218	-9.000	-9.000	-999.	245.	52.4	0.34	1.15
1.00	1.80	347.	9.1	284.2	5.5					
12 01 01	1 03	-25.9	0.270	-9.000	-9.000	-999.	336.	79.9	0.34	1.15
1.00	2.20	340.	9.1	284.2	5.5					
12 01 01	1 04	-20.9	0.218	-9.000	-9.000	-999.	246.	52.4	0.34	1.15
1.00	1.80	337.	9.1	285.4	5.5					
12 01 01	1 05	-5.4	0.105	-9.000	-9.000	-999.	89.	18.5	0.34	1.15
1.00	0.90	344.	9.1	284.9	5.5					
12 01 01	1 06	-11.5	0.154	-9.000	-9.000	-999.	145.	27.6	0.34	1.15
1.00	1.30	17.	9.1	283.1	5.5					
12 01 01	1 07	-11.5	0.154	-9.000	-9.000	-999.	145.	27.6	0.34	1.15
1.00	1.30	326.	9.1	282.0	5.5					
12 01 01	1 08	-10.1	0.156	-9.000	-9.000	-999.	147.	32.6	0.34	1.15
0.53	1.30	337.	9.1	284.9	5.5					
12 01 01	1 09	42.1	0.096	0.369	0.015	42.	72.	-1.8	0.34	1.15
0.31	0.40	347.	9.1	291.4	5.5					
12 01 01	1 10	102.2	0.280	0.715	0.005	125.	356.	-18.8	0.34	1.15
0.24	1.80	320.	9.1	296.4	5.5					
12 01 01	1 11	143.5	0.233	1.110	0.005	333.	271.	-7.7	0.34	1.15
0.21	1.30	185.	9.1	297.5	5.5					
12 01 01	1 12	162.2	0.188	1.407	0.005	600.	196.	-3.6	0.34	1.15
0.20	0.90	199.	9.1	298.1	5.5					
12 01 01	1 13	158.3	0.187	1.641	0.005	974.	195.	-3.6	0.34	1.15
0.20	0.90	152.	9.1	299.9	5.5					
12 01 01	1 14	131.9	0.288	1.687	0.005	1270.	370.	-15.7	0.34	1.15
0.22	1.80	107.	9.1	301.4	5.5					
12 01 01	1 15	84.3	0.106	1.511	0.005	1427.	119.	-1.2	0.34	1.15
0.25	0.40	107.	9.1	302.0	5.5					
12 01 01	1 16	32.1	0.154	1.105	0.005	1463.	146.	-10.0	0.34	1.15
0.34	0.90	124.	9.1	302.0	5.5					
12 01 01	1 17	-10.6	0.155	-9.000	-9.000	-999.	146.	30.5	0.34	1.15
0.62	1.30	138.	9.1	299.9	5.5					
12 01 01	1 18	-20.4	0.219	-9.000	-9.000	-999.	245.	52.5	0.34	1.15
1.00	1.80	353.	9.1	293.1	5.5					
12 01 01	1 19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.15
1.00	999.00	999.	-9.0	291.2	5.5					
12 01 01	1 20	-5.4	0.105	-9.000	-9.000	-999.	81.	18.6	0.34	1.15
1.00	0.90	308.	9.1	289.2	5.5					
12 01 01	1 21	-11.4	0.154	-9.000	-9.000	-999.	145.	27.9	0.34	1.15
1.00	1.30	339.	9.1	287.0	5.5					
12 01 01	1 22	-11.5	0.154	-9.000	-9.000	-999.	145.	27.8	0.34	1.15
1.00	1.30	339.	9.1	286.4	5.5					
12 01 01	1 23	-5.4	0.105	-9.000	-9.000	-999.	81.	18.5	0.34	1.15
1.00	0.90	336.	9.1	285.4	5.5					
12 01 01	1 24	-11.5	0.154	-9.000	-9.000	-999.	145.	27.7	0.34	1.15
1.00	1.30	338.	9.1	284.9	5.5					

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First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	5.5	0	-999.	-99.00	284.3	99.0	-99.00	-99.00
12	01	01	01	9.1	1	351.	1.80	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

^ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
 \*\*\* 09/17/20  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL \*\*\*

INCLUDING SOURCE(S): L0011531 , L0011532  
 , L0011533 , L0011534 , L0011535 ,  
 , L0011536 , L0011537 , L0011538 , L0011539 , L0011540  
 , L0011541 , L0011542 , L0011543 ,  
 , L0011544 , L0011545 , L0011546 , L0011547 , L0011548  
 , L0011549 , L0011550 , L0011551 ,  
 , L0011552 , L0011553 , L0011554 , L0011555 , L0011556  
 , L0011557 , L0011558 , . . . ,

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M<sup>3</sup>

Y-COORD (METERS)	X-COORD (METERS)	X-COORD (METERS)	X-COORD (METERS)	X-COORD (METERS)	X-COORD (METERS)
442737.94	442787.94	442487.94	442537.94	442587.94	442637.94

-----

3772925.41	0.00194	0.00294	0.00326	0.00348	0.00370
0.00395	0.00427				
3772875.41	0.00104	0.00133	0.00155	0.00175	0.00198
0.00229	0.00279				
3772825.41	0.00090	0.00108	0.00125	0.00146	0.00169
0.00208	0.00288				
3772775.41	0.00086	0.00102	0.00118	0.00140	0.00165
0.00206	0.00286				
3772725.41	0.00087	0.00101	0.00118	0.00138	0.00166
0.00210	0.00281				
3772675.41	0.00091	0.00107	0.00126	0.00147	0.00175

9th\_and\_Vineyard.ADO

0.00219 0.00308  
3772625.41 | 0.00097 0.00118 0.00140 0.00162 0.00189  
0.00229 0.00312

↑ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5  
YEARS FOR SOURCE GROUP: ALL \*\*\*

INCLUDING SOURCE(S): L0011531 , L0011532  
, L0011533 , L0011534 , L0011535 ,  
L0011536 , L0011537 , L0011538 , L0011539 , L0011540  
, L0011541 , L0011542 , L0011543 ,  
L0011544 , L0011545 , L0011546 , L0011547 , L0011548  
, L0011549 , L0011550 , L0011551 ,  
L0011552 , L0011553 , L0011554 , L0011555 , L0011556  
, L0011557 , L0011558 , . . . ,

\*\*\* NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

Y-COORD | X-COORD (METERS)  
(METERS) | 442558.53 442608.53 442658.53 442708.53 442758.53  
442808.53

-----  
-----

3773224.40 | 0.00040 0.00044 0.00049 0.00053 0.00057  
0.00062  
3773174.40 | 0.00048 0.00053 0.00060 0.00066 0.00071  
0.00077  
3773124.40 | 0.00062 0.00068 0.00076 0.00085 0.00093  
0.00100  
3773074.40 | 0.00082 0.00092 0.00101 0.00113 0.00122  
0.00132  
3773024.40 | 0.00123 0.00138 0.00151 0.00165 0.00175  
0.00189  
3772974.40 | 0.00288 0.00308 0.00324 0.00337 0.00351  
0.00373

↑ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
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\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 12:32:25

\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5  
YEARS FOR SOURCE GROUP: ALL \*\*\*

INCLUDING SOURCE(S): L0011531 , L0011532  
, L0011533 , L0011534 , L0011535 ,  
L0011536 , L0011537 , L0011538 , L0011539 , L0011540  
, L0011541 , L0011542 , L0011543 ,  
L0011544 , L0011545 , L0011546 , L0011547 , L0011548  
, L0011549 , L0011550 , L0011551 ,  
L0011552 , L0011553 , L0011554 , L0011555 , L0011556  
, L0011557 , L0011558 , . . . ,

\*\*\* NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

Y-COORD | X-COORD (METERS)  
(METERS) | 442855.23 442905.23 442955.23 443005.23

-----  
3773055.87 | 0.00160 0.00174 0.00186 0.00196  
3773005.87 | 0.00242 0.00260 0.00275 0.00287  
3772955.87 | 0.00598 0.00611 0.00626 0.00638  
3772905.87 | 0.00390 0.00439 0.00469 0.00484  
3772855.87 | 0.00498 0.00677 0.00704 0.00690

▲ \*\*\* AERMOD - VERSION 19191 \*\*\*  
\*\*\* Operations  
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\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 12:32:25

\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5  
YEARS FOR SOURCE GROUP: ALL \*\*\*

INCLUDING SOURCE(S): L0011531 , L0011532  
, L0011533 , L0011534 , L0011535 ,  
L0011536 , L0011537 , L0011538 , L0011539 , L0011540  
, L0011541 , L0011542 , L0011543 ,  
L0011544 , L0011545 , L0011546 , L0011547 , L0011548

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 , L0011549 , L0011550 , L0011551 ,  
 , L0011552 , L0011553 , L0011554 , L0011555 , L0011556  
 , L0011557 , L0011558 , . . . ,

\*\*\* NETWORK ID: UCART4 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

Y-COORD (METERS)	X-COORD (METERS)		
	443162.61	443212.61	443262.61

3773271.39	0.00084	0.00088	0.00091
3773221.39	0.00103	0.00106	0.00111
3773171.39	0.00126	0.00133	0.00139
3773121.39	0.00162	0.00171	0.00177
3773071.39	0.00216	0.00229	0.00237
3773021.39	0.00310	0.00337	0.00354
3772971.39	0.00553	0.00643	0.00703

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5  
 YEARS FOR SOURCE GROUP: ALL \*\*\*

INCLUDING SOURCE(S): L0011531 , L0011532  
 , L0011533 , L0011534 , L0011535 ,  
 , L0011536 , L0011537 , L0011538 , L0011539 , L0011540  
 , L0011541 , L0011542 , L0011543 ,  
 , L0011544 , L0011545 , L0011546 , L0011547 , L0011548  
 , L0011549 , L0011550 , L0011551 ,  
 , L0011552 , L0011553 , L0011554 , L0011555 , L0011556  
 , L0011557 , L0011558 , . . . ,

\*\*\* NETWORK ID: UCART5 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

Y-COORD	X-COORD (METERS)		
---------	------------------	--	--

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(METERS) | 442565.93 442615.93 442665.93 442715.93 442765.93  
442815.93 442865.93 442915.93 442965.93

-----  
-----

3772506.37 | 0.00190 0.00210 0.00229 0.00250 0.00273  
0.00302 0.00333 0.00362 0.00386  
3772456.37 | 0.00116 0.00132 0.00146 0.00161 0.00178  
0.00196 0.00216 0.00234 0.00250  
3772406.37 | 0.00094 0.00105 0.00117 0.00128 0.00141  
0.00154 0.00167 0.00180 0.00191  
3772356.37 | 0.00082 0.00091 0.00100 0.00109 0.00118  
0.00128 0.00138 0.00148 0.00156  
3772306.37 | 0.00074 0.00081 0.00088 0.00095 0.00103  
0.00110 0.00118 0.00125 0.00132  
3772256.37 | 0.00067 0.00073 0.00078 0.00085 0.00091  
0.00097 0.00103 0.00109 0.00115  
3772206.37 | 0.00062 0.00066 0.00071 0.00076 0.00081  
0.00086 0.00092 0.00097 0.00102

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5  
YEARS FOR SOURCE GROUP: ALL \*\*\*

INCLUDING SOURCE(S): L0011531 , L0011532  
, L0011533 , L0011534 , L0011535 ,  
L0011536 , L0011537 , L0011538 , L0011539 , L0011540  
, L0011541 , L0011542 , L0011543 ,  
L0011544 , L0011545 , L0011546 , L0011547 , L0011548  
, L0011549 , L0011550 , L0011551 ,  
L0011552 , L0011553 , L0011554 , L0011555 , L0011556  
, L0011557 , L0011558 , . . . ,

\*\*\* NETWORK ID: UCART5 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

Y-COORD | X-COORD (METERS)  
(METERS) | 443015.93 443065.93 443115.93 443165.93 443215.93  
443265.93 443315.93 443365.93 443415.93

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9th\_and\_Vineyard.ADO

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3772506.37 |      0.00406      0.00419      0.00428      0.00433      0.00435
0.00434    |      0.00430      0.00426      0.00427
3772456.37 |      0.00263      0.00274      0.00281      0.00287      0.00289
0.00290    |      0.00291      0.00292      0.00296
3772406.37 |      0.00202      0.00210      0.00216      0.00221      0.00225
0.00227    |      0.00230      0.00234      0.00241
3772356.37 |      0.00164      0.00171      0.00176      0.00181      0.00185
0.00189    |      0.00193      0.00198      0.00207
3772306.37 |      0.00139      0.00144      0.00149      0.00154      0.00158
0.00162    |      0.00167      0.00174      0.00184
3772256.37 |      0.00120      0.00125      0.00130      0.00134      0.00139
0.00143    |      0.00149      0.00156      0.00167
3772206.37 |      0.00106      0.00111      0.00115      0.00119      0.00124
0.00129    |      0.00134      0.00143      0.00154

```

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^ *** AERMOD - VERSION 19191 *** *** Operations
      ***                09/17/20
*** AERMET - VERSION 16216 *** ***
      ***                12:32:25

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

```

      *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
YEARS FOR SOURCE GROUP: ALL ***
      INCLUDING SOURCE(S): L0011531 , L0011532
, L0011533 , L0011534 , L0011535 ,
      L0011536 , L0011537 , L0011538 , L0011539 , L0011540
, L0011541 , L0011542 , L0011543 ,
      L0011544 , L0011545 , L0011546 , L0011547 , L0011548
, L0011549 , L0011550 , L0011551 ,
      L0011552 , L0011553 , L0011554 , L0011555 , L0011556
, L0011557 , L0011558 , . . . ,

```

\*\*\* NETWORK ID: UCART5 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

```

Y-COORD | X-COORD (METERS)
(METERS) |      443465.93      443515.93      443565.93
-----

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3772506.37 |      0.00433      0.00451      0.00508
3772456.37 |      0.00306      0.00329      0.00400

```

9th\_and\_Vineyard.ADO

3772406.37	0.00253	0.00281	0.00360
3772356.37	0.00222	0.00253	0.00337
3772306.37	0.00201	0.00235	0.00323
3772256.37	0.00186	0.00221	0.00313
3772206.37	0.00174	0.00211	0.00305

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
 \*\*\* 09/17/20  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5  
 YEARS FOR SOURCE GROUP: ALL \*\*\*

INCLUDING SOURCE(S): L0011531 , L0011532  
 , L0011533 , L0011534 , L0011535 ,  
 , L0011541 , L0011542 , L0011537 , L0011538 , L0011539 , L0011540  
 , L0011549 , L0011544 , L0011545 , L0011546 , L0011547 , L0011548  
 , L0011557 , L0011552 , L0011553 , L0011554 , L0011555 , L0011556  
 , L0011558 , . . . ,

\*\*\* NETWORK ID: UCART6 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

Y-COORD (METERS)	443311.88	443361.88	443411.88	443461.88	443511.88
443561.88					

3772111.00	0.00115	0.00124	0.00137	0.00156	0.00193
0.00283					
3772061.00	0.00107	0.00117	0.00130	0.00150	0.00186
0.00278					
3772011.00	0.00101	0.00110	0.00124	0.00144	0.00180
0.00274					
3771961.00	0.00096	0.00105	0.00119	0.00140	0.00178
0.00272					
3771911.00	0.00091	0.00101	0.00115	0.00136	0.00176
0.00273					
3771861.00	0.00087	0.00097	0.00111	0.00133	0.00173
0.00273					

9th\_and\_Vineyard.ADO

3771811.00   0.00272	0.00083	0.00093	0.00107	0.00129	0.00170
3771761.00   0.00271	0.00079	0.00089	0.00103	0.00126	0.00167
3771711.00   0.00270	0.00076	0.00086	0.00100	0.00123	0.00164
3771661.00   0.00268	0.00073	0.00082	0.00096	0.00119	0.00160
3771611.00   0.00266	0.00069	0.00079	0.00092	0.00114	0.00156
3771561.00   0.00262	0.00066	0.00075	0.00088	0.00109	0.00151
3771511.00   0.00255	0.00062	0.00070	0.00082	0.00103	0.00143
3771461.00   0.00242	0.00058	0.00065	0.00076	0.00095	0.00132
3771411.00   0.00211	0.00054	0.00060	0.00069	0.00085	0.00116
3771361.00   0.00144	0.00050	0.00055	0.00062	0.00073	0.00094
3771311.00   0.00088	0.00046	0.00049	0.00055	0.00062	0.00073
3771261.00   0.00063	0.00042	0.00045	0.00048	0.00053	0.00058

↑ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5  
YEARS FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): L0011531 , L0011532  
, L0011533 , L0011534 , L0011535 ,  
L0011536 , L0011537 , L0011538 , L0011539 , L0011540  
, L0011541 , L0011542 , L0011543 ,  
L0011544 , L0011545 , L0011546 , L0011547 , L0011548  
, L0011549 , L0011550 , L0011551 ,  
L0011552 , L0011553 , L0011554 , L0011555 , L0011556  
, L0011557 , L0011558 , . . . ,

GRIDCART \*\*\* \*\*\* NETWORK ID: UCART7 ; NETWORK TYPE:

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3  
\*\*

9th\_and\_Vineyard.ADO

Y-COORD (METERS)				X-COORD (METERS)	
443908.23	443658.23	443708.23	443758.23	443808.23	443858.23
3772503.89	0.00594	0.00325	0.00235	0.00185	0.00153
0.00129					
3772453.89	0.00548	0.00303	0.00221	0.00176	0.00146
0.00124					
3772403.89	0.00518	0.00286	0.00210	0.00168	0.00140
0.00120					
3772353.89	0.00496	0.00272	0.00200	0.00160	0.00134
0.00115					
3772303.89	0.00476	0.00261	0.00192	0.00154	0.00129
0.00111					
3772253.89	0.00461	0.00252	0.00184	0.00148	0.00125
0.00108					
3772203.89	0.00447	0.00244	0.00178	0.00143	0.00121
0.00104					
3772153.89	0.00435	0.00237	0.00173	0.00139	0.00117
0.00101					
3772103.89	0.00422	0.00231	0.00168	0.00135	0.00113
0.00098					
3772053.89	0.00409	0.00225	0.00164	0.00131	0.00110
0.00095					
3772003.89	0.00400	0.00220	0.00160	0.00128	0.00107
0.00093					
3771953.89	0.00391	0.00215	0.00156	0.00124	0.00104
0.00090					
3771903.89	0.00384	0.00211	0.00152	0.00121	0.00101
0.00087					
3771853.89	0.00375	0.00206	0.00148	0.00118	0.00098
0.00085					
3771803.89	0.00365	0.00201	0.00144	0.00114	0.00095
0.00082					
3771753.89	0.00358	0.00197	0.00141	0.00111	0.00092
0.00079					
3771703.89	0.00348	0.00191	0.00136	0.00107	0.00089
0.00076					
3771653.89	0.00339	0.00186	0.00132	0.00103	0.00085
0.00073					
3771603.89	0.00329	0.00179	0.00126	0.00098	0.00081
0.00069					
3771553.89	0.00318	0.00172	0.00120	0.00093	0.00077
0.00066					
3771503.89	0.00303	0.00161	0.00112	0.00087	0.00071

9th\_and\_Vineyard.ADO

0.00061

\*\*\* AERMOD - VERSION 19191 \*\*\* Operations
\*\*\* 09/17/20
\*\*\* AERMET - VERSION 16216 \*\*\*
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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL
INCLUDING SOURCE(S): L0011531 , L0011532
, L0011533 , L0011534 , L0011535 ,
L0011536 , L0011537 , L0011538 , L0011539 , L0011540
, L0011541 , L0011542 , L0011543 ,
L0011544 , L0011545 , L0011546 , L0011547 , L0011548
, L0011549 , L0011550 , L0011551 ,
L0011552 , L0011553 , L0011554 , L0011555 , L0011556
, L0011557 , L0011558 , . . . ,

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

Y-COORD | X-COORD (METERS)
(METERS) | 442487.94 442537.94 442587.94
442637.94 442687.94

3772925.4 | 0.00683 (15060905) 0.00825 (13112717) 0.00854
(15030618) 0.00911 (15030618) 0.00950 (15030618)
3772875.4 | 0.00576 (15060905) 0.00617 (15060905) 0.00651
(15060905) 0.00673 (15060905) 0.00703 (15030618)
3772825.4 | 0.00501 (16122321) 0.00521 (16122321) 0.00575
(15060905) 0.00603 (15060905) 0.00662 (15060905)
3772775.4 | 0.00461 (16010324) 0.00472 (16010324) 0.00513
(16010324) 0.00533 (16122321) 0.00606 (16122321)
3772725.4 | 0.00426 (13030804) 0.00456 (13030804) 0.00482
(13030804) 0.00518 (13030804) 0.00563 (13030804)
3772675.4 | 0.00370 (13030804) 0.00379 (13030804) 0.00371
(13030804) 0.00398 (12100207) 0.00469 (12100207)
3772625.4 | 0.00355 (14121203) 0.00351 (14121203) 0.00373
(12100207) 0.00427 (12100207) 0.00498 (13020917)

\*\*\* AERMOD - VERSION 19191 \*\*\* Operations
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION  
VALUES FOR SOURCE GROUP: ALL \*\*\*

INCLUDING SOURCE(S): L0011531 , L0011532  
, L0011533 , L0011534 , L0011535 ,  
L0011536 , L0011537 , L0011538 , L0011539 , L0011540  
, L0011541 , L0011542 , L0011543 ,  
L0011544 , L0011545 , L0011546 , L0011547 , L0011548  
, L0011549 , L0011550 , L0011551 ,  
L0011552 , L0011553 , L0011554 , L0011555 , L0011556  
, L0011557 , L0011558 , . . . ,

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

Y-COORD | X-COORD (METERS)  
(METERS) | 442737.94 442787.94

-----  
-----  
3772925.4 | 0.01008 (12100207) 0.01087 (12100207)  
3772875.4 | 0.00749 (15030618) 0.00804 (15030618)  
3772825.4 | 0.00710 (15060905) 0.00815 (15030618)  
3772775.4 | 0.00673 (15060905) 0.00784 (15060905)  
3772725.4 | 0.00568 (12100207) 0.00737 (12100207)  
3772675.4 | 0.00576 (12100207) 0.00791 (12100207)  
3772625.4 | 0.00631 (13020917) 0.00898 (12121616)

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
\*\*\* 09/17/20

\*\*\* AERMET - VERSION 16216 \*\*\*  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION  
VALUES FOR SOURCE GROUP: ALL \*\*\*

INCLUDING SOURCE(S): L0011531 , L0011532  
, L0011533 , L0011534 , L0011535 ,  
L0011536 , L0011537 , L0011538 , L0011539 , L0011540

9th\_and\_Vineyard.ADO

, L0011541 , L0011542 , L0011543 ,  
L0011544 , L0011545 , L0011546 , L0011547 , L0011548  
, L0011549 , L0011550 , L0011551 ,  
L0011552 , L0011553 , L0011554 , L0011555 , L0011556  
, L0011557 , L0011558 , . . . ,

\*\*\* NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

Y-COORD | X-COORD (METERS)  
(METERS) | 442558.53 442608.53 442658.53  
442708.53 442758.53

-----  
-----  
3773224.4 | 0.00504 (14041804) 0.00509 (12010117) 0.00518  
(12010117) 0.00525 (12010117) 0.00522 (15012818)  
3773174.4 | 0.00534 (14080304) 0.00536 (14080304) 0.00543  
(15090919) 0.00551 (15090919) 0.00549 (15090919)  
3773124.4 | 0.00546 (12040221) 0.00571 (13112617) 0.00578  
(13112617) 0.00584 (15090919) 0.00587 (15090919)  
3773074.4 | 0.00570 (12040221) 0.00599 (12040221) 0.00615  
(13112617) 0.00613 (13112617) 0.00629 (15090919)  
3773024.4 | 0.00621 (15060921) 0.00656 (15060921) 0.00674  
(12040221) 0.00682 (13112617) 0.00708 (13112617)  
3772974.4 | 0.00822 (15060921) 0.00877 (15060921) 0.00890  
(15060921) 0.00914 (15060921) 0.00931 (14080304)

^ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
\*\*\* 09/17/20  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION  
VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): L0011531 , L0011532  
, L0011533 , L0011534 , L0011535 ,  
L0011536 , L0011537 , L0011538 , L0011539 , L0011540  
, L0011541 , L0011542 , L0011543 ,  
L0011544 , L0011545 , L0011546 , L0011547 , L0011548  
, L0011549 , L0011550 , L0011551 ,  
L0011552 , L0011553 , L0011554 , L0011555 , L0011556  
, L0011557 , L0011558 , . . . ,

9th\_and\_Vineyard.ADO

\*\*\* NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

Y-COORD | X-COORD (METERS)
(METERS) | 442808.53

3773224.4 | 0.00517 (15012818)
3773174.4 | 0.00542 (15090919)
3773124.4 | 0.00586 (15090919)
3773074.4 | 0.00630 (15090919)
3773024.4 | 0.00723 (15090919)
3772974.4 | 0.00957 (12100207)

\*\*\* AERMOD - VERSION 19191 \*\*\* Operations
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\*\*\* AERMET - VERSION 16216 \*\*\*
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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

VALUES FOR SOURCE GROUP: ALL \*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
INCLUDING SOURCE(S): L0011531 , L0011532
, L0011533 , L0011534 , L0011535 ,
L0011536 , L0011537 , L0011538 , L0011539 , L0011540
, L0011541 , L0011542 , L0011543 ,
L0011544 , L0011545 , L0011546 , L0011547 , L0011548
, L0011549 , L0011550 , L0011551 ,
L0011552 , L0011553 , L0011554 , L0011555 , L0011556
, L0011557 , L0011558 , . . . ,

\*\*\* NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

Y-COORD | X-COORD (METERS)
(METERS) | 442855.23 442905.23 442955.23
443005.23

9th\_and\_Vineyard.ADO

3773055.9	0.00647 (15090919)	0.00636 (15090919)	0.00635
(15090919)	0.00652 (15090919)		
3773005.9	0.00781 (15090919)	0.00770 (15090919)	0.00761
(12010117)	0.00781 (12100207)		
3772955.9	0.01481 (12100207)	0.01514 (12100207)	0.01545
(12100207)	0.01571 (12100207)		
3772905.9	0.01024 (12100207)	0.01137 (12100207)	0.01203
(12100207)	0.01224 (12100207)		
3772855.9	0.01272 (12100207)	0.01651 (12100207)	0.01709
(12100207)	0.01662 (12100207)		

^ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
 \*\*\* 09/17/20  
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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION  
 \*\*\*  
 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0011531 , L0011532  
 , L0011533 , L0011534 , L0011535 ,  
 , L0011541 , L0011542 , L0011543 , L0011538 , L0011539 , L0011540  
 , L0011549 , L0011544 , L0011545 , L0011546 , L0011547 , L0011548  
 , L0011557 , L0011550 , L0011551 ,  
 , L0011552 , L0011553 , L0011554 , L0011555 , L0011556  
 , L0011558 , . . . ,

\*\*\* NETWORK ID: UCART4 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

Y-COORD			X-COORD (METERS)
(METERS)	443162.61	443212.61	443262.61

3773271.4	0.00505 (15112704)	0.00502 (12022501)	0.00496
(15112620)			
3773221.4	0.00537 (15112704)	0.00533 (12022501)	0.00515
(12022501)			
3773171.4	0.00576 (15112704)	0.00558 (15112704)	0.00539
(15112704)			
3773121.4	0.00606 (13072106)	0.00581 (13072106)	0.00580

9th\_and\_Vineyard.ADO

(13072106)  
 3773071.4 | 0.00628 (15090919) 0.00630 (15090919) 0.00641  
 (12100207)  
 3773021.4 | 0.00812 (12100207) 0.00869 (12100207) 0.00900  
 (12100207)  
 3772971.4 | 0.01352 (12100207) 0.01552 (12100207) 0.01725  
 (14120316)

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
 \*\*\* 09/17/20  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION  
 \*\*\*  
 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0011531 , L0011532  
 , L0011533 , L0011534 , L0011535 ,  
 , L0011541 , L0011542 , L0011543 , L0011536 , L0011537 , L0011538 , L0011539 , L0011540  
 , L0011549 , L0011550 , L0011551 , L0011544 , L0011545 , L0011546 , L0011547 , L0011548  
 , L0011557 , L0011558 , L0011552 , L0011553 , L0011554 , L0011555 , L0011556  
 , . . . ,

\*\*\* NETWORK ID: UCART5 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M<sup>3</sup>

\*\*

Y-COORD				X-COORD (METERS)
(METERS)		442565.93	442615.93	442665.93
		442715.93	442765.93	

3772506.4 | 0.00555 (12121616) 0.00602 (12121616) 0.00655  
 (12121616) 0.00708 (12121616) 0.00752 (12121616)  
 3772456.4 | 0.00388 (12121616) 0.00418 (12121616) 0.00446  
 (12121616) 0.00467 (12121616) 0.00518 (14113016)  
 3772406.4 | 0.00312 (12121616) 0.00327 (12121616) 0.00338  
 (12121616) 0.00355 (14113016) 0.00446 (14113016)  
 3772356.4 | 0.00254 (12121616) 0.00259 (12121616) 0.00269  
 (12100207) 0.00330 (14113016) 0.00402 (14113016)  
 3772306.4 | 0.00206 (12121616) 0.00219 (12100207) 0.00252  
 (14113016) 0.00312 (14113016) 0.00370 (14113016)

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3772256.4	0.00184 (12100207)	0.00199 (12100207)	0.00246
(14113016)	0.00297 (14113016)	0.00343 (14113016)	
3772206.4	0.00170 (12100207)	0.00197 (14113016)	0.00240
(14113016)	0.00283 (14113016)	0.00320 (14113016)	

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION  
 \*\*\*  
 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0011531 , L0011532  
 , L0011533 , L0011534 , L0011535 ,  
 L0011536 , L0011537 , L0011538 , L0011539 , L0011540  
 , L0011541 , L0011542 , L0011543 ,  
 L0011544 , L0011545 , L0011546 , L0011547 , L0011548  
 , L0011549 , L0011550 , L0011551 ,  
 L0011552 , L0011553 , L0011554 , L0011555 , L0011556  
 , L0011557 , L0011558 , . . . ,

\*\*\* NETWORK ID: UCART5 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

Y-COORD			X-COORD (METERS)
(METERS)	442815.93	442865.93	442915.93
	442965.93	443015.93	

3772506.4	0.00883 (14113016)	0.00998 (14113016)	0.01111
(14113016)	0.01221 (14113016)	0.01224 (14113016)	
3772456.4	0.00629 (14113016)	0.00716 (14113016)	0.00797
(14113016)	0.00849 (14113016)	0.00850 (14113016)	
3772406.4	0.00527 (14113016)	0.00595 (14113016)	0.00649
(14113016)	0.00676 (14113016)	0.00678 (14113016)	
3772356.4	0.00465 (14113016)	0.00516 (14113016)	0.00551
(14113016)	0.00566 (14113016)	0.00565 (14113016)	
3772306.4	0.00419 (14113016)	0.00456 (14113016)	0.00479
(14113016)	0.00487 (14113016)	0.00482 (14113016)	
3772256.4	0.00381 (14113016)	0.00408 (14113016)	0.00422
(14113016)	0.00424 (14113016)	0.00415 (14113016)	
3772206.4	0.00349 (14113016)	0.00368 (14113016)	0.00376

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(14113016) 0.00373 (14113016) 0.00362 (14113016)

\*\*\* AERMOD - VERSION 19191 \*\*\* Operations  
09/17/20

\*\*\* AERMET - VERSION 16216 \*\*\*  
12:32:25

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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION  
VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): L0011531 , L0011532  
, L0011533 , L0011534 , L0011535 ,  
L0011536 , L0011537 , L0011538 , L0011539 , L0011540  
, L0011541 , L0011542 , L0011543 ,  
L0011544 , L0011545 , L0011546 , L0011547 , L0011548  
, L0011549 , L0011550 , L0011551 ,  
L0011552 , L0011553 , L0011554 , L0011555 , L0011556  
, L0011557 , L0011558 , . . .

\*\*\* NETWORK ID: UCART5 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

Y-COORD | X-COORD (METERS)  
(METERS) | 443065.93 443115.93 443165.93  
443215.93 443265.93

-----  
3772506.4 | 0.01195 (14113016) 0.01234 (14113016) 0.01221  
(14113016) 0.01133 (16012717) 0.01172 (16012717)  
3772456.4 | 0.00847 (14113016) 0.00851 (14113016) 0.00799  
(14113016) 0.00779 (16012717) 0.00805 (16012717)  
3772406.4 | 0.00674 (14113016) 0.00655 (14113016) 0.00599  
(14113016) 0.00612 (16012717) 0.00628 (16012717)  
3772356.4 | 0.00554 (14113016) 0.00525 (14113016) 0.00494  
(16012717) 0.00508 (16012717) 0.00516 (16012717)  
3772306.4 | 0.00465 (14113016) 0.00435 (14113016) 0.00425  
(16012717) 0.00434 (16012717) 0.00439 (16012717)  
3772256.4 | 0.00396 (14113016) 0.00370 (14113016) 0.00372  
(16012717) 0.00379 (16012717) 0.00385 (12100207)  
3772206.4 | 0.00343 (14113016) 0.00321 (14113016) 0.00329  
(16012717) 0.00336 (16012717) 0.00347 (12100207)

\*\*\* AERMOD - VERSION 19191 \*\*\* Operations  
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\*\*\* AERMET - VERSION 16216 \*\*\*  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION  
VALUES FOR SOURCE GROUP: ALL \*\*\*

INCLUDING SOURCE(S): L0011531 , L0011532  
, L0011533 , L0011534 , L0011535 ,  
L0011536 , L0011537 , L0011538 , L0011539 , L0011540  
, L0011541 , L0011542 , L0011543 ,  
L0011544 , L0011545 , L0011546 , L0011547 , L0011548  
, L0011549 , L0011550 , L0011551 ,  
L0011552 , L0011553 , L0011554 , L0011555 , L0011556  
, L0011557 , L0011558 , . . . ,

\*\*\* NETWORK ID: UCART5 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

Y-COORD | X-COORD (METERS)  
(METERS) | 443315.93 443365.93 443415.93  
443465.93 443515.93

-----  
3772506.4 | 0.01076 (12100207) 0.01066 (12100207) 0.01066  
(12100207) 0.01093 (14113016) 0.01130 (14113016)  
3772456.4 | 0.00754 (12100207) 0.00756 (12100207) 0.00765  
(12100207) 0.00788 (12100207) 0.00842 (12100207)  
3772406.4 | 0.00606 (12100207) 0.00614 (12100207) 0.00630  
(12100207) 0.00661 (12100207) 0.00726 (12100207)  
3772356.4 | 0.00513 (12100207) 0.00526 (12100207) 0.00547  
(12100207) 0.00583 (12100207) 0.00657 (12100207)  
3772306.4 | 0.00448 (12100207) 0.00464 (12100207) 0.00489  
(12100207) 0.00530 (12100207) 0.00609 (12100207)  
3772256.4 | 0.00399 (12100207) 0.00418 (12100207) 0.00445  
(12100207) 0.00490 (12100207) 0.00574 (12100207)  
3772206.4 | 0.00363 (12100207) 0.00383 (12100207) 0.00412  
(12100207) 0.00459 (12100207) 0.00547 (12100207)

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
\*\*\* 09/17/20

\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 12:32:25



\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION  
 VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0011531 , L0011532  
 , L0011533 , L0011534 , L0011535 ,  
 , L0011541 , L0011536 , L0011537 , L0011538 , L0011539 , L0011540  
 , L0011549 , L0011542 , L0011543 ,  
 , L0011544 , L0011545 , L0011546 , L0011547 , L0011548  
 , L0011557 , L0011550 , L0011551 ,  
 , L0011552 , L0011553 , L0011554 , L0011555 , L0011556  
 , L0011558 , . . . ,

\*\*\* NETWORK ID: UCART5 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

Y-COORD | X-COORD (METERS)  
 (METERS) | 443565.93

-----  
 3772506.4 | 0.01249 (12100207)  
 3772456.4 | 0.01003 (12100207)  
 3772406.4 | 0.00907 (12100207)  
 3772356.4 | 0.00851 (12100207)  
 3772306.4 | 0.00813 (12100207)  
 3772256.4 | 0.00785 (12100207)  
 3772206.4 | 0.00765 (12100207)

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
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\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION  
 VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0011531 , L0011532  
 , L0011533 , L0011534 , L0011535 ,  
 , L0011541 , L0011536 , L0011537 , L0011538 , L0011539 , L0011540  
 , L0011549 , L0011542 , L0011543 ,  
 , L0011544 , L0011545 , L0011546 , L0011547 , L0011548  
 , L0011557 , L0011550 , L0011551 ,

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, L0011557 , L0011552 , L0011558 , L0011553 , . . . , L0011554 , L0011555 , L0011556

\*\*\* NETWORK ID: UCART6 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

Y-COORD			X-COORD (METERS)
(METERS)	443311.88	443361.88	443411.88
	443461.88	443511.88	

-----			
-----			
3772111.0	0.00309 (12100207)	0.00331 (12100207)	0.00362
(12100207)	0.00411 (12100207)	0.00499 (12100207)	
3772061.0	0.00289 (12100207)	0.00312 (12100207)	0.00344
(12100207)	0.00394 (12100207)	0.00484 (12100207)	
3772011.0	0.00272 (12100207)	0.00295 (12100207)	0.00328
(12100207)	0.00379 (12100207)	0.00471 (12100207)	
3771961.0	0.00257 (12100207)	0.00281 (12100207)	0.00314
(12100207)	0.00367 (12100207)	0.00460 (12100207)	
3771911.0	0.00244 (12100207)	0.00268 (12100207)	0.00302
(12100207)	0.00355 (12100207)	0.00450 (12100207)	
3771861.0	0.00232 (12100207)	0.00257 (12100207)	0.00291
(12100207)	0.00345 (12100207)	0.00441 (12100207)	
3771811.0	0.00222 (12100207)	0.00246 (12100207)	0.00281
(12100207)	0.00335 (12100207)	0.00432 (12100207)	
3771761.0	0.00212 (12100207)	0.00236 (12100207)	0.00271
(12100207)	0.00325 (12100207)	0.00424 (12100207)	
3771711.0	0.00202 (12100207)	0.00226 (12100207)	0.00261
(12100207)	0.00315 (12100207)	0.00415 (12100207)	
3771661.0	0.00192 (12100207)	0.00216 (12100207)	0.00251
(12100207)	0.00305 (12100207)	0.00405 (12100207)	
3771611.0	0.00183 (12100207)	0.00206 (12100207)	0.00240
(12100207)	0.00294 (12100207)	0.00394 (12100207)	
3771561.0	0.00173 (12100207)	0.00195 (12100207)	0.00227
(12100207)	0.00280 (12100207)	0.00380 (12100207)	
3771511.0	0.00163 (12100207)	0.00183 (12100207)	0.00214
(12100207)	0.00264 (12100207)	0.00361 (12100207)	
3771461.0	0.00152 (12100207)	0.00171 (12100207)	0.00198
(12100207)	0.00243 (12100207)	0.00356 (14113016)	
3771411.0	0.00141 (12100207)	0.00157 (12100207)	0.00183
(14113016)	0.00240 (14113016)	0.00352 (14113016)	
3771361.0	0.00130 (12100207)	0.00147 (14113016)	0.00182
(14113016)	0.00238 (14113016)	0.00345 (14113016)	
3771311.0	0.00124 (14113016)	0.00146 (14113016)	0.00180

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(14113016) 0.00235 (14113016) 0.00327 (14113016)
3771261.0 | 0.00122 (14113016) 0.00145 (14113016) 0.00178
(14113016) 0.00224 (14113016) 0.00273 (14113016)

\*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations
\*\*\* 09/17/20

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL \*\*\*
INCLUDING SOURCE(S): L0011531 , L0011532
, L0011533 , L0011534 , L0011535 ,
L0011536 , L0011537 , L0011538 , L0011539 , L0011540
, L0011541 , L0011542 , L0011543 ,
L0011544 , L0011545 , L0011546 , L0011547 , L0011548
, L0011549 , L0011550 , L0011551 ,
L0011552 , L0011553 , L0011554 , L0011555 , L0011556
, L0011557 , L0011558 , . . . ,

\*\*\* NETWORK ID: UCART6 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

Y-COORD | X-COORD (METERS)
(METERS) | 443561.88

3772111.0 | 0.00708 (12100207)
3772061.0 | 0.00698 (12100207)
3772011.0 | 0.00689 (12100207)
3771961.0 | 0.00683 (12100207)
3771911.0 | 0.00678 (12100207)
3771861.0 | 0.00673 (12100207)
3771811.0 | 0.00669 (12100207)
3771761.0 | 0.00665 (12100207)
3771711.0 | 0.00660 (12100207)
3771661.0 | 0.00655 (12100207)
3771611.0 | 0.00647 (12100207)
3771561.0 | 0.00648 (14113016)
3771511.0 | 0.00653 (14113016)
3771461.0 | 0.00659 (14113016)
3771411.0 | 0.00652 (14113016)

9th\_and\_Vineyard.ADO

3771361.0 | 0.00613 (14113016)
3771311.0 | 0.00436 (14113016)
3771261.0 | 0.00260 (14113016)

\*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations
\*\*\* 09/17/20
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL \*\*\*
INCLUDING SOURCE(S): L0011531 , L0011532
, L0011533 , L0011534 , L0011535 ,
, L0011541 , L0011542 , L0011543 ,
, L0011549 , L0011550 , L0011551 ,
, L0011557 , L0011558 , . . . ,

\*\*\* NETWORK ID: UCART7 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

Y-COORD | X-COORD (METERS)
(METERS) | 443658.23 443708.23 443758.23
443808.23 443858.23

3772503.9 | 0.01416 (16123116) 0.00872 (16123116) 0.00667
(16123116) 0.00547 (16123116) 0.00465 (16123116)
3772453.9 | 0.01290 (12100207) 0.00789 (16123116) 0.00617
(16123116) 0.00516 (16123116) 0.00445 (16123116)
3772403.9 | 0.01218 (12100207) 0.00693 (16123116) 0.00551
(16123116) 0.00470 (16123116) 0.00413 (16123116)
3772353.9 | 0.01163 (12100207) 0.00657 (12100207) 0.00490
(12100207) 0.00417 (16123116) 0.00372 (16123116)
3772303.9 | 0.01116 (12100207) 0.00629 (12100207) 0.00469
(12100207) 0.00384 (15012517) 0.00334 (15012517)
3772253.9 | 0.01079 (16012717) 0.00606 (12100207) 0.00452
(12100207) 0.00367 (12100207) 0.00316 (15012517)
3772203.9 | 0.01045 (16012717) 0.00586 (12100207) 0.00435
(12100207) 0.00354 (12100207) 0.00300 (12100207)

9th\_and\_Vineyard.ADO

3772153.9	0.01013 (16012717)	0.00568 (12100207)	0.00421
(12100207)	0.00342 (12100207)	0.00290 (12100207)	
3772103.9	0.00987 (16012717)	0.00550 (12100207)	0.00408
(12100207)	0.00331 (12100207)	0.00280 (12100207)	
3772053.9	0.00963 (16012717)	0.00534 (12100207)	0.00396
(12100207)	0.00321 (12100207)	0.00272 (12100207)	
3772003.9	0.00946 (16012717)	0.00521 (12100207)	0.00384
(12100207)	0.00311 (12100207)	0.00263 (12100207)	
3771953.9	0.00926 (16012717)	0.00508 (12100207)	0.00374
(12100207)	0.00302 (12100207)	0.00255 (12100207)	
3771903.9	0.00909 (16012717)	0.00497 (12100207)	0.00364
(12100207)	0.00293 (12100207)	0.00247 (12100207)	
3771853.9	0.00888 (16012717)	0.00485 (12100207)	0.00354
(12100207)	0.00284 (12100207)	0.00240 (12100207)	
3771803.9	0.00871 (16012717)	0.00472 (12100207)	0.00344
(12100207)	0.00276 (12100207)	0.00232 (12100207)	
3771753.9	0.00856 (16012717)	0.00461 (12100207)	0.00335
(12100207)	0.00267 (12100207)	0.00224 (12100207)	
3771703.9	0.00840 (16012717)	0.00448 (12100207)	0.00324
(12100207)	0.00258 (12100207)	0.00216 (12100207)	
3771653.9	0.00825 (16012717)	0.00434 (12100207)	0.00312
(12100207)	0.00248 (12100207)	0.00207 (12100207)	
3771603.9	0.00809 (16012717)	0.00418 (12100207)	0.00299
(12100207)	0.00237 (12100207)	0.00198 (12100207)	
3771553.9	0.00794 (16012717)	0.00399 (12100207)	0.00284
(12100207)	0.00224 (12100207)	0.00187 (12100207)	
3771503.9	0.00778 (16012717)	0.00389 (16012717)	0.00265
(12100207)	0.00210 (12100207)	0.00176 (12100207)	

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
 \*\*\* 09/17/20  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 12:32:25

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION  
 \*\*\*  
 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0011531 , L0011532  
 , L0011533 , L0011534 , L0011535 ,  
 , L0011541 , L0011542 , L0011543 , L0011538 , L0011539 , L0011540  
 , L0011549 , L0011544 , L0011545 , L0011546 , L0011547 , L0011548  
 , L0011557 , L0011550 , L0011551 ,  
 , L0011552 , L0011553 , L0011554 , L0011555 , L0011556  
 , L0011558 , . . . ,

\*\*\* NETWORK ID: UCART7 ; NETWORK TYPE:

9th\_and\_Vineyard.ADO

GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

Y-COORD | X-COORD (METERS)  
 (METERS) | 443908.23

-----  
 -----  
 3772503.9 | 0.00402 (16123116)  
 3772453.9 | 0.00390 (16123116)  
 3772403.9 | 0.00368 (16123116)  
 3772353.9 | 0.00338 (16123116)  
 3772303.9 | 0.00302 (16123116)  
 3772253.9 | 0.00282 (15012517)  
 3772203.9 | 0.00267 (15012517)  
 3772153.9 | 0.00252 (12100207)  
 3772103.9 | 0.00244 (12100207)  
 3772053.9 | 0.00236 (12100207)  
 3772003.9 | 0.00229 (12100207)  
 3771953.9 | 0.00222 (12100207)  
 3771903.9 | 0.00215 (12100207)  
 3771853.9 | 0.00208 (12100207)  
 3771803.9 | 0.00201 (12100207)  
 3771753.9 | 0.00194 (12100207)  
 3771703.9 | 0.00187 (12100207)  
 3771653.9 | 0.00179 (12100207)  
 3771603.9 | 0.00171 (12100207)  
 3771553.9 | 0.00162 (12100207)  
 3771503.9 | 0.00153 (12100207)

↑ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
 \*\*\* 09/17/20  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 12:32:25

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION  
 \*\*\*  
 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0011531 , L0011532  
 , L0011533 , L0011534 , L0011535 ,  
 , L0011541 , L0011542 , L0011543 , L0011538 , L0011539 , L0011540  
 , L0011549 , L0011544 , L0011545 , L0011546 , L0011547 , L0011548  
 , L0011552 , L0011550 , L0011551 , L0011554 , L0011555 , L0011556  
 , L0011553

9th\_and\_Vineyard.ADO

, L0011557 , L0011558 , . . . ,

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

Y-COORD			X-COORD (METERS)
(METERS)	442487.94	442537.94	442587.94
	442637.94	442687.94	

3772925.4	0.00338 (16121124)	0.00498 (16121124)	0.00548
(16121124)	0.00585 (16121124)	0.00620 (16121124)	
3772875.4	0.00198 (14121624)	0.00239 (16121124)	0.00275
(16121124)	0.00308 (16121124)	0.00345 (16121124)	
3772825.4	0.00175 (14121624)	0.00198 (14121624)	0.00226
(14121624)	0.00256 (16121124)	0.00297 (16121124)	
3772775.4	0.00166 (14121624)	0.00184 (14121624)	0.00210
(14121624)	0.00239 (16121124)	0.00282 (16121124)	
3772725.4	0.00160 (14121624)	0.00180 (14121624)	0.00204
(14121624)	0.00235 (16121124)	0.00278 (16121124)	
3772675.4	0.00154 (16121124)	0.00178 (16121124)	0.00206
(16121124)	0.00239 (12121624)	0.00284 (12121624)	
3772625.4	0.00162 (16121124)	0.00194 (16121124)	0.00225
(16121124)	0.00259 (12121624)	0.00302 (12121624)	

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
\*\*\* 09/17/20

\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 12:32:25

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION  
VALUES FOR SOURCE GROUP: ALL \*\*\*

INCLUDING SOURCE(S): L0011531 , L0011532

, L0011533	, L0011534	, L0011535	,			
	L0011536	, L0011537	, L0011538	, L0011539	, L0011540	
, L0011541	, L0011542	, L0011543	,			
	L0011544	, L0011545	, L0011546	, L0011547	, L0011548	
, L0011549	, L0011550	, L0011551	,			
	L0011552	, L0011553	, L0011554	, L0011555	, L0011556	
, L0011557	, L0011558	, . . .	,			

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE:

9th\_and\_Vineyard.ADO

GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

Y-COORD				X-COORD (METERS)
(METERS)		442737.94	442787.94	

3772925.4		0.00659 (16121124)	0.00709 (16121124)
3772875.4		0.00394 (16121124)	0.00471 (16121124)
3772825.4		0.00357 (16121124)	0.00480 (16121124)
3772775.4		0.00346 (16121124)	0.00469 (16121124)
3772725.4		0.00344 (12121624)	0.00450 (16121124)
3772675.4		0.00352 (12121624)	0.00488 (12121624)
3772625.4		0.00367 (12121624)	0.00498 (12121624)

^ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

VALUES FOR SOURCE GROUP: ALL \*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION  
\*\*\*

INCLUDING SOURCE(S): L0011531 , L0011532

, L0011533	, L0011534	, L0011535	,
	L0011536	, L0011537	, L0011538
, L0011541	, L0011542	, L0011543	,
	L0011544	, L0011545	, L0011546
, L0011549	, L0011550	, L0011551	,
	L0011552	, L0011553	, L0011554
, L0011557	, L0011558	, . . .	,

\*\*\* NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

Y-COORD				X-COORD (METERS)
(METERS)		442558.53	442608.53	442658.53
		442708.53	442758.53	



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3773224.4	0.00108c(12101124)	0.00115c(12101124)	0.00122
(16121124)	0.00130 (16121124)	0.00139 (16121124)	
3773174.4	0.00120 (15011124)	0.00129 (16121124)	0.00140
(16121124)	0.00150 (16121124)	0.00161 (16121124)	
3773124.4	0.00140 (15011124)	0.00151 (16121124)	0.00164
(16121124)	0.00178 (16121124)	0.00191 (16121124)	
3773074.4	0.00168 (15011124)	0.00185 (16121124)	0.00201
(16121124)	0.00219 (16121124)	0.00235 (16121124)	
3773024.4	0.00227 (16121124)	0.00252 (16121124)	0.00273
(16121124)	0.00294 (16121124)	0.00315 (16121124)	
3772974.4	0.00479 (16121124)	0.00510 (16121124)	0.00535
(16121124)	0.00559 (16121124)	0.00584 (16121124)	

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
 \*\*\* 09/17/20  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION  
 \*\*\*  
 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0011531 , L0011532  
 , L0011533 , L0011534 , L0011535 ,  
 , L0011541 , L0011536 , L0011537 , L0011538 , L0011539 , L0011540  
 , L0011549 , L0011542 , L0011543 ,  
 , L0011550 , L0011544 , L0011545 , L0011546 , L0011547 , L0011548  
 , L0011557 , L0011552 , L0011553 , L0011554 , L0011555 , L0011556  
 , L0011558 , . . . ,

\*\*\* NETWORK ID: UCART3 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

Y-COORD		X-COORD (METERS)
(METERS)	442808.53	

3773224.4	0.00147 (16121124)
3773174.4	0.00171 (16121124)
3773124.4	0.00204 (16121124)
3773074.4	0.00252 (16121124)
3773024.4	0.00338 (16121124)
3772974.4	0.00616 (16121124)

\*\*\* AERMOD - VERSION 19191 \*\*\* Operations
\*\*\* 09/17/20
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 12:32:25

\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL
INCLUDING SOURCE(S): L0011531 , L0011532
, L0011533 , L0011534 , L0011535 ,
L0011536 , L0011537 , L0011538 , L0011539 , L0011540
, L0011541 , L0011542 , L0011543 ,
L0011544 , L0011545 , L0011546 , L0011547 , L0011548
, L0011549 , L0011550 , L0011551 ,
L0011552 , L0011553 , L0011554 , L0011555 , L0011556
, L0011557 , L0011558 , . . .

\*\*\* NETWORK ID: UCART2 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

Y-COORD | X-COORD (METERS)
(METERS) | 442855.23 442905.23 442955.23
443005.23

Table with 4 columns: Y-COORD (METERS), CONC OF PM\_10, X-COORD (METERS), and another CONC OF PM\_10. Rows show data for various Y-coordinates (e.g., 3773055.9, 3773005.9, 3772955.9, 3772905.9, 3772855.9) and their corresponding concentrations and X-coordinates.

\*\*\* AERMOD - VERSION 19191 \*\*\* Operations
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\*\*\* 12:32:25

\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

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\*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION  
 VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0011531 , L0011532  
 , L0011533 , L0011534 , L0011535 ,  
 , L0011536 , L0011537 , L0011538 , L0011539 , L0011540  
 , L0011541 , L0011542 , L0011543 ,  
 , L0011544 , L0011545 , L0011546 , L0011547 , L0011548  
 , L0011549 , L0011550 , L0011551 ,  
 , L0011552 , L0011553 , L0011554 , L0011555 , L0011556  
 , L0011557 , L0011558 , . . . ,

\*\*\* NETWORK ID: UCART4 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M<sup>3</sup>

\*\*

Y-COORD				X-COORD (METERS)
(METERS)		443162.61	443212.61	443262.61

-----

3773271.4	0.00170 (16121124)	0.00173 (16121124)	0.00174
(16121124)			
3773221.4	0.00198 (16121124)	0.00202 (16121124)	0.00204
(16121124)			
3773171.4	0.00236 (16121124)	0.00241 (16121124)	0.00244
(16121124)			
3773121.4	0.00288 (16121124)	0.00296 (16121124)	0.00301
(16121124)			
3773071.4	0.00365 (16121124)	0.00380 (16121124)	0.00388
(16121124)			
3773021.4	0.00498 (16121124)	0.00535 (16121124)	0.00554
(16121124)			
3772971.4	0.00864 (16121124)	0.00996 (16121124)	0.01076
(16121124)			

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
 \*\*\* 09/17/20

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION  
 VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0011531 , L0011532

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```

, L0011533 , L0011534 , L0011535 ,
, L0011541 , L0011542 , L0011543 , L0011538 , L0011539 , L0011540
, L0011549 , L0011550 , L0011544 , L0011545 , L0011546 , L0011547 , L0011548
, L0011557 , L0011552 , L0011553 , L0011554 , L0011555 , L0011556
, L0011558 , . . . ,
    
```

\*\*\* NETWORK ID: UCART5 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

```

Y-COORD | X-COORD (METERS)
(METERS) | 442565.93 442615.93 442665.93
442715.93 442765.93
    
```

```

-----
3772506.4 | 0.00303 (16121124) 0.00334 (16121124) 0.00362
(16121124) 0.00393 (16121124) 0.00430 (16121124)
3772456.4 | 0.00190 (12121624) 0.00212 (12121624) 0.00233
(12121624) 0.00256 (16121124) 0.00282 (16121124)
3772406.4 | 0.00154 (12121624) 0.00170 (12121624) 0.00187
(15122224) 0.00206 (15122224) 0.00225 (15122224)
3772356.4 | 0.00134m(15020724) 0.00148 (15122224) 0.00162
(15122224) 0.00177 (15122224) 0.00192 (15122224)
3772306.4 | 0.00122 (15122224) 0.00133 (15122224) 0.00145
(15122224) 0.00156 (15122224) 0.00168 (15122224)
3772256.4 | 0.00112 (15122224) 0.00121 (15122224) 0.00131
(15122224) 0.00140 (15122224) 0.00149 (15122224)
3772206.4 | 0.00104 (15122224) 0.00112 (15122224) 0.00120
(15122224) 0.00127 (15122224) 0.00135 (15122224)
    
```

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

VALUES FOR SOURCE GROUP: ALL \*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION \*\*\*

```

INCLUDING SOURCE(S): L0011531 , L0011532
, L0011533 , L0011534 , L0011535 ,
, L0011541 , L0011542 , L0011543 , L0011538 , L0011539 , L0011540
    
```

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, L0011549 , L0011544 , L0011545 , L0011546 , L0011547 , L0011548
, L0011557 , L0011552 , L0011553 , L0011554 , L0011555 , L0011556

\*\*\* NETWORK ID: UCART5 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

Y-COORD | X-COORD (METERS)
(METERS) | 442815.93 442865.93 442915.93
442965.93 443015.93

Table with 4 columns: Y-COORD (METERS), CONC OF PM\_10, X-COORD (METERS), and another CONC OF PM\_10. Rows include values like 3772506.4, 0.00474, 442815.93, 0.00522, 442915.93, 0.00566.

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

VALUES FOR SOURCE GROUP: ALL \*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION
INCLUDING SOURCE(S): L0011531 , L0011532
, L0011533 , L0011534 , L0011535 ,
, L0011541 , L0011542 , L0011543 ,
, L0011549 , L0011550 , L0011551 ,
L0011552 , L0011553 , L0011554 , L0011555 , L0011556

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, L0011557 , L0011558 , . . . ,

\*\*\* NETWORK ID: UCART5 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

Y-COORD			X-COORD (METERS)
(METERS)	443065.93	443115.93	443165.93
	443215.93	443265.93	

3772506.4	0.00657 (16121124)	0.00671 (16121124)	0.00679
(16121124)	0.00682 (16121124)	0.00680 (16121124)	
3772456.4	0.00432 (16121124)	0.00445 (16121124)	0.00453
(16121124)	0.00457 (16121124)	0.00459 (16121124)	
3772406.4	0.00333 (16121124)	0.00343 (16121124)	0.00351
(16121124)	0.00357 (16121124)	0.00361 (16121124)	
3772356.4	0.00273 (16121124)	0.00282 (16121124)	0.00289
(16121124)	0.00295 (16121124)	0.00301 (16121124)	
3772306.4	0.00231 (16121124)	0.00239 (16121124)	0.00246
(16121124)	0.00253 (16121124)	0.00260 (16121124)	
3772256.4	0.00201 (16121124)	0.00208 (16121124)	0.00215
(16121124)	0.00222 (16121124)	0.00229 (16121124)	
3772206.4	0.00178 (16121124)	0.00185 (16121124)	0.00192
(16121124)	0.00199 (16121124)	0.00206 (16121124)	

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION  
VALUES FOR SOURCE GROUP: ALL \*\*\*

INCLUDING SOURCE(S): L0011531 , L0011532

, L0011533	, L0011534	, L0011535	,			
	L0011536	, L0011537	, L0011538	, L0011539	, L0011540	
, L0011541	, L0011542	, L0011543	,			
	L0011544	, L0011545	, L0011546	, L0011547	, L0011548	
, L0011549	, L0011550	, L0011551	,			
	L0011552	, L0011553	, L0011554	, L0011555	, L0011556	
, L0011557	, L0011558	, . . .	,			

\*\*\* NETWORK ID: UCART5 ; NETWORK TYPE:

9th\_and\_Vineyard.ADO

GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

Y-COORD			X-COORD (METERS)
(METERS)	443315.93	443365.93	443415.93
	443465.93	443515.93	

```

-----
3772506.4 | 0.00674 (16121124) 0.00668 (16121124) 0.00669
(16121124) 0.00678 (16121124) 0.00706 (16121124)
3772456.4 | 0.00460 (16121124) 0.00461 (16121124) 0.00467
(16121124) 0.00483 (16121124) 0.00518 (16121124)
3772406.4 | 0.00365 (16121124) 0.00371 (16121124) 0.00381
(16121124) 0.00401 (16121124) 0.00444 (16121124)
3772356.4 | 0.00307 (16121124) 0.00316 (16121124) 0.00329
(16121124) 0.00352 (16121124) 0.00400 (16121124)
3772306.4 | 0.00268 (16121124) 0.00278 (16121124) 0.00293
(16121124) 0.00319 (16121124) 0.00371 (16121124)
3772256.4 | 0.00238 (16121124) 0.00250 (16121124) 0.00267
(16121124) 0.00295 (16121124) 0.00349 (16121124)
3772206.4 | 0.00216 (16121124) 0.00228 (16121124) 0.00247
(16121124) 0.00276 (16121124) 0.00333 (16121124)

```

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

VALUES FOR SOURCE GROUP: ALL \*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION \*\*\*

```

INCLUDING SOURCE(S): L0011531 , L0011532
, L0011533 , L0011534 , L0011535 ,
, L0011541 , L0011542 , L0011543 , L0011538 , L0011539 , L0011540
, L0011549 , L0011544 , L0011545 , L0011546 , L0011547 , L0011548
, L0011557 , L0011550 , L0011551 ,
, L0011552 , L0011553 , L0011554 , L0011555 , L0011556
, L0011558 , . . . ,

```

\*\*\* NETWORK ID: UCART5 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

9th\_and\_Vineyard.ADO

\*\*

Y-COORD			X-COORD (METERS)
(METERS)		443565.93	

-----

3772506.4		0.00792 (16121124)
3772456.4		0.00626 (16121124)
3772406.4		0.00564 (16121124)
3772356.4		0.00528 (16121124)
3772306.4		0.00505 (16121124)
3772256.4		0.00489 (16121124)
3772206.4		0.00477 (16121124)

↑ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION  
 \*\*\*  
 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0011531 , L0011532  
 , L0011533 , L0011534 , L0011535 ,  
 , L0011536 , L0011537 , L0011538 , L0011539 , L0011540  
 , L0011541 , L0011542 , L0011543 ,  
 , L0011544 , L0011545 , L0011546 , L0011547 , L0011548  
 , L0011549 , L0011550 , L0011551 ,  
 , L0011552 , L0011553 , L0011554 , L0011555 , L0011556  
 , L0011557 , L0011558 , . . . ,

\*\*\* NETWORK ID: UCART6 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

Y-COORD			X-COORD (METERS)
(METERS)		443311.88	443361.88
		443461.88	443511.88

-----

3772111.0		0.00184 (16121124)	0.00198 (16121124)	0.00217
(16121124)		0.00248 (16121124)	0.00304 (16121124)	
3772061.0		0.00172 (16121124)	0.00186 (16121124)	0.00206



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(16121124)	0.00237 (16121124)	0.00295 (16121124)	
3772011.0	0.00162 (16121124)	0.00176 (16121124)	0.00197
(16121124)	0.00229 (16121124)	0.00287 (16121124)	
3771961.0	0.00153 (16121124)	0.00168 (16121124)	0.00188
(16121124)	0.00221 (16121124)	0.00281 (16121124)	
3771911.0	0.00145 (16121124)	0.00160 (16121124)	0.00181
(16121124)	0.00214 (16121124)	0.00275 (16121124)	
3771861.0	0.00139 (16121124)	0.00153m(15020724)	0.00175
(16121124)	0.00208 (16121124)	0.00270 (16121124)	
3771811.0	0.00132 (16121124)	0.00147m(15020724)	0.00169
(16121124)	0.00202 (16121124)	0.00265 (16121124)	
3771761.0	0.00126m(15020724)	0.00141m(15020724)	
0.00163m(15020724)	0.00197 (16121124)	0.00260 (16121124)	
3771711.0	0.00121m(15020724)	0.00136m(15020724)	
0.00157m(15020724)	0.00191 (16121124)	0.00255 (16121124)	
3771661.0	0.00116m(15020724)	0.00130m(15020724)	
0.00151m(15020724)	0.00185 (16121124)	0.00249 (16121124)	
3771611.0	0.00110m(15020724)	0.00124m(15020724)	
0.00145m(15020724)	0.00178 (16121124)	0.00242 (16121124)	
3771561.0	0.00104m(15020724)	0.00118m(15020724)	
0.00137m(15020724)	0.00170 (16121124)	0.00234 (16121124)	
3771511.0	0.00098m(15020724)	0.00111m(15020724)	
0.00129m(15020724)	0.00160 (16121124)	0.00222 (16121124)	
3771461.0	0.00092m(15020724)	0.00103m(15020724)	
0.00120m(15020724)	0.00148 (16121124)	0.00205 (16121124)	
3771411.0	0.00085m(15020724)	0.00095m(15020724)	
0.00109m(15020724)	0.00132 (16121124)	0.00179 (16121124)	
3771361.0	0.00079m(15020724)	0.00086m(15020724)	
0.00097m(15020724)	0.00114m(15020724)	0.00145 (16121124)	
3771311.0	0.00072m(15020724)	0.00078m(15020724)	
0.00086m(15020724)	0.00097m(15020724)	0.00113 (16121124)	
3771261.0	0.00066m(15020724)	0.00071m(15020724)	
0.00076m(15020724)	0.00083m(15020724)	0.00091m(15020724)	

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION  
 \*\*\*  
 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0011531 , L0011532  
 , L0011533 , L0011534 , L0011535 ,  
 , L0011536 , L0011537 , L0011538 , L0011539 , L0011540  
 , L0011541 , L0011542 , L0011543 ,  
 , L0011544 , L0011545 , L0011546 , L0011547 , L0011548

9th\_and\_Vineyard.ADO  
 , L0011549 , L0011550 , L0011551 ,  
 , L0011552 , L0011553 , L0011554 , L0011555 , L0011556  
 , L0011557 , L0011558 , . . . ,

\*\*\* NETWORK ID: UCART6 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

Y-COORD | X-COORD (METERS)  
 (METERS) | 443561.88

-----  
 3772111.0 | 0.00441 (16121124)  
 3772061.0 | 0.00435 (16121124)  
 3772011.0 | 0.00430 (16121124)  
 3771961.0 | 0.00426 (16121124)  
 3771911.0 | 0.00424 (16121124)  
 3771861.0 | 0.00422 (16121124)  
 3771811.0 | 0.00420 (16121124)  
 3771761.0 | 0.00419 (16121124)  
 3771711.0 | 0.00416 (16121124)  
 3771661.0 | 0.00414 (16121124)  
 3771611.0 | 0.00410 (16121124)  
 3771561.0 | 0.00404 (16121124)  
 3771511.0 | 0.00394 (16121124)  
 3771461.0 | 0.00373 (16121124)  
 3771411.0 | 0.00326 (16121124)  
 3771361.0 | 0.00223 (16121124)  
 3771311.0 | 0.00137 (16121124)  
 3771261.0 | 0.00099 (16121124)

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION  
 VALUES FOR SOURCE GROUP: ALL \*\*\*

INCLUDING SOURCE(S): L0011531 , L0011532  
 , L0011533 , L0011534 , L0011535 ,  
 , L0011536 , L0011537 , L0011538 , L0011539 , L0011540  
 , L0011541 , L0011542 , L0011543 ,  
 , L0011544 , L0011545 , L0011546 , L0011547 , L0011548

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, L0011549 , L0011550 , L0011551 ,  
L0011552 , L0011553 , L0011554 , L0011555 , L0011556  
, L0011557 , L0011558 , . . . ,

\*\*\* NETWORK ID: UCART7 ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

Y-COORD			X-COORD (METERS)
(METERS)	443658.23	443708.23	443758.23
	443808.23	443858.23	

3772503.9	0.00902 (16121124)	0.00489 (16121124)	0.00356
(16121124)	0.00282 (16121124)	0.00232 (16121124)	
3772453.9	0.00836 (16121124)	0.00457 (16121124)	0.00335
(16121124)	0.00268 (16121124)	0.00223 (16121124)	
3772403.9	0.00789 (16121124)	0.00430 (16121124)	0.00317
(16121124)	0.00255 (16121124)	0.00214 (16121124)	
3772353.9	0.00752 (16121124)	0.00409 (16121124)	0.00302
(16121124)	0.00243 (16121124)	0.00205 (16121124)	
3772303.9	0.00721 (16121124)	0.00391 (16121124)	0.00288
(16121124)	0.00233 (16121124)	0.00197 (16121124)	
3772253.9	0.00696 (16121124)	0.00377 (16121124)	0.00277
(16121124)	0.00224 (16121124)	0.00189 (16121124)	
3772203.9	0.00674 (16121124)	0.00364 (16121124)	0.00267
(16121124)	0.00216 (16121124)	0.00182 (16121124)	
3772153.9	0.00653 (16121124)	0.00353 (16121124)	0.00259
(16121124)	0.00209 (16121124)	0.00176 (16121124)	
3772103.9	0.00633 (16121124)	0.00343 (16121124)	0.00250
(16121124)	0.00202 (16121124)	0.00171 (16121124)	
3772053.9	0.00614 (16121124)	0.00333 (16121124)	0.00243
(16121124)	0.00196 (16121124)	0.00165 (16121124)	
3772003.9	0.00599 (16121124)	0.00325 (16121124)	0.00236
(16121124)	0.00190 (16121124)	0.00160 (16121124)	
3771953.9	0.00584 (16121124)	0.00317 (16121124)	0.00230
(16121124)	0.00184 (16121124)	0.00155 (16121124)	
3771903.9	0.00571 (16121124)	0.00310 (16121124)	0.00224
(16121124)	0.00179 (16121124)	0.00151 (16121124)	
3771853.9	0.00557 (16121124)	0.00303 (16121124)	0.00218
(16121124)	0.00174 (16121124)	0.00146 (16121124)	
3771803.9	0.00543 (16121124)	0.00295 (16121124)	0.00212
(16121124)	0.00169 (16121124)	0.00141 (16121124)	
3771753.9	0.00530 (16121124)	0.00288 (16121124)	0.00206
(16121124)	0.00164 (16121124)	0.00137 (16121124)	



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3772103.9 | 0.00148 (16121124)  
 3772053.9 | 0.00143 (16121124)  
 3772003.9 | 0.00139 (16121124)  
 3771953.9 | 0.00135 (16121124)  
 3771903.9 | 0.00130 (16121124)  
 3771853.9 | 0.00126 (16121124)  
 3771803.9 | 0.00122 (16121124)  
 3771753.9 | 0.00118 (16121124)  
 3771703.9 | 0.00114 (16121124)  
 3771653.9 | 0.00109 (16121124)  
 3771603.9 | 0.00104 (16121124)  
 3771553.9 | 0.00099 (16121124)  
 3771503.9 | 0.00093 (16121124)

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
 \*\*\* 09/17/20  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 12:32:25

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE SUMMARY OF MAXIMUM ANNUAL RESULTS

AVERAGED OVER 5 YEARS \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR,
ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID	

ALL	1ST HIGHEST VALUE IS	0.00704 AT (	442955.23, 3772855.87,
353.80,	353.80, 0.00)	GC UCART2	
	2ND HIGHEST VALUE IS	0.00703 AT (	443262.61, 3772971.39,
351.90,	351.90, 0.00)	GC UCART4	
	3RD HIGHEST VALUE IS	0.00690 AT (	443005.23, 3772855.87,
353.00,	353.00, 0.00)	GC UCART2	
	4TH HIGHEST VALUE IS	0.00677 AT (	442905.23, 3772855.87,
354.10,	354.10, 0.00)	GC UCART2	
	5TH HIGHEST VALUE IS	0.00643 AT (	443212.61, 3772971.39,
352.40,	352.40, 0.00)	GC UCART4	
	6TH HIGHEST VALUE IS	0.00638 AT (	443005.23, 3772955.87,
355.50,	355.50, 0.00)	GC UCART2	
	7TH HIGHEST VALUE IS	0.00626 AT (	442955.23, 3772955.87,

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356.10, 356.10, 0.00) GC UCART2  
 8TH HIGHEST VALUE IS 0.00611 AT ( 442905.23, 3772955.87,  
 356.70, 356.70, 0.00) GC UCART2  
 9TH HIGHEST VALUE IS 0.00598 AT ( 442855.23, 3772955.87,  
 357.20, 357.20, 0.00) GC UCART2  
 10TH HIGHEST VALUE IS 0.00594 AT ( 443658.23, 3772503.89,  
 339.40, 339.40, 0.00) GC UCART7

\*\*\* RECEPTOR TYPES: GC = GRIDCART  
 GP = GRIDPOLR  
 DC = DISCCART  
 DP = DISCPOLR

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
 \*\*\* 09/17/20  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 12:32:25

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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

\*\*\* THE SUMMARY OF HIGHEST 1-HR

RESULTS \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

GROUP ID (XR, YR, ZELEV, ZHILL, ZFLAG)	AVERAGE CONC OF TYPE	NETWORK GRID-ID	DATE (YYMMDDHH)	RECEPTOR
-----				

ALL HIGH 1ST HIGH VALUE IS 0.01725 ON 14120316: AT ( 443262.61,  
 3772971.39, 351.90, 351.90, 0.00) GC UCART4

\*\*\* RECEPTOR TYPES: GC = GRIDCART  
 GP = GRIDPOLR  
 DC = DISCCART  
 DP = DISCPOLR

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
 \*\*\* 09/17/20  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 12:32:25

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE SUMMARY OF HIGHEST 24-HR

RESULTS \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

GROUP ID (XR, YR, ZELEV, ZHILL, ZFLAG)	AVERAGE CONC OF TYPE	NETWORK GRID-ID	DATE (YYMMDDHH)	RECEPTOR
---	-------------------------	--------------------	--------------------	----------

ALL HIGH 1ST HIGH VALUE IS 0.01102 ON 16121124: AT ( 442955.23,  
 3772855.87, 353.80, 353.80, 0.00) GC UCART2

\*\*\* RECEPTOR TYPES: GC = GRIDCART  
 GP = GRIDPOLR  
 DC = DISCCART  
 DP = DISCPOLR

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* Operations  
 \*\*\* 09/17/20  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 12:32:25

\*\*\* MODELOPTs: RegDEFAULT 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 956 Informational Message(s)  
 A Total of 43848 Hours Were Processed  
 A Total of 49 Calm Hours Identified  
 A Total of 907 Missing Hours Identified ( 2.07 Percent)

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\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*  
\*\*\* NONE \*\*\*

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*

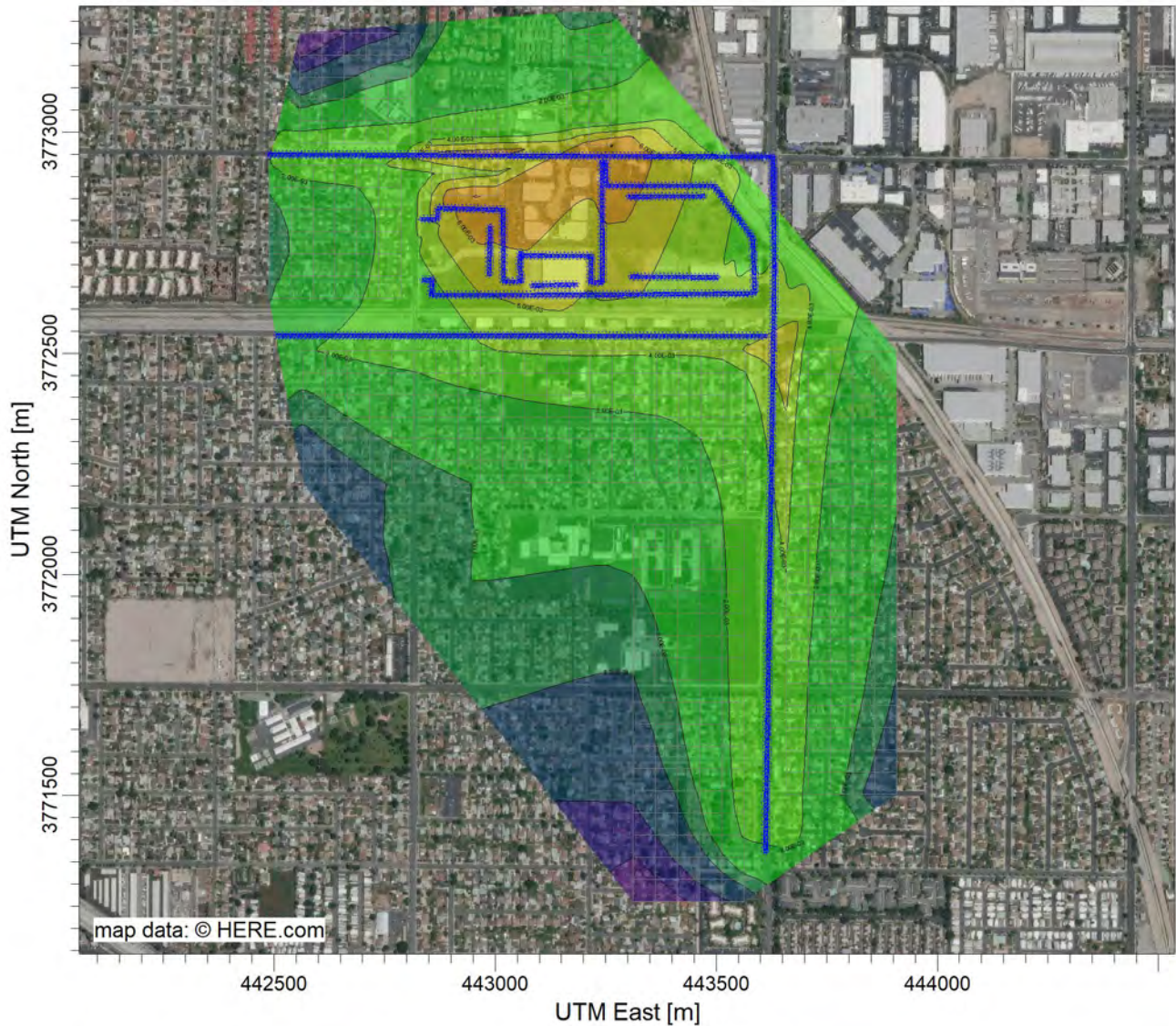
ME W186 1811 MEOPEN: THRESH\_1MIN 1-min ASOS wind speed threshold used  
0.50  
ME W187 1811 MEOPEN: ADJ\_U\* Option for Stable Low Winds used in AERMET

\*\*\*\*\*  
\*\*\* AERMOD Finishes Successfully \*\*\*  
\*\*\*\*\*



PROJECT TITLE:

**9th and Vineyard**



PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 5 YEARS FOR SOURCE GROUP: ALL

ug/m<sup>3</sup>

Max: 7.04E-03 [ug/m<sup>3</sup>] at (442955.23, 3772855.87)



COMMENTS:

SOURCES:

COMPANY NAME:

**9**

RECEPTORS:

MODELER:

**507**

OUTPUT TYPE:

SCALE:

1:15,587

**Concentration**



MAX:

DATE:

PROJECT NO.:

**7.04E-03 ug/m<sup>3</sup>**

**9/23/2020**

\*HARP - HRACalc v19044 9/17/2020 8:17:46 PM - Cancer Risk - Input File: D:\Work\9th and Vineyard\RAST\PM10\_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RI	WATER_RI	FISH_RISK
1			9901	DieselExhPM	0.00704	6.09E-06	30YrCancerHighEnd_Inh_FAH16to70	*	6.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2			107028	Acrolein	0	0.00E+00	30YrCancerHighEnd_Inh_FAH16to70	*	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00



\*HARP - HRACalc v19044 9/17/2020 8:17:46 PM - Acute Risk - Input File: D:\Work\9th and Vineyard\RAST\PM10\_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DEV	RESP	SKIN
1			9901	DieselExhPM	0	NonCancerAcute	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2			107028	Acrolein	0.01725	NonCancerAcute	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-03	0.00E+00

HARP2 - HRACalc (dated 19044) 9/17/2020 8:17:46 PM - Output Log

GLCs loaded successfully  
Pollutants loaded successfully  
\*\*\*\*\*

RISK SCENARIO SETTINGS

Receptor Type: Resident  
Scenario: All  
Calculation Method: HighEnd

\*\*\*\*\*  
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25  
Total Exposure Duration: 30

Exposure Duration Bin Distribution

3rd Trimester Bin: 0.25  
0<2 Years Bin: 2  
2<9 Years Bin: 0  
2<16 Years Bin: 14  
16<30 Years Bin: 14  
16 to 70 Years Bin: 0

\*\*\*\*\*  
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True  
Soil: False  
Dermal: False  
Mother's milk: False  
Water: False  
Fish: False  
Homegrown crops: False  
Beef: False  
Dairy: False  
Pig: False  
Chicken: False  
Egg: False

\*\*\*\*\*  
INHALATION

Daily breathing rate: LongTerm24HR

\*\*Worker Adjustment Factors\*\*  
Worker adjustment factors enabled: NO

\*\*Fraction at time at home\*\*  
3rd Trimester to 16 years: OFF  
16 years to 70 years: ON

\*\*\*\*\*  
TIER 2 SETTINGS  
Tier2 not used.

\*\*\*\*\*

Calculating cancer risk  
Cancer risk saved to: D:\Work\9th and Vineyard\RAST\PM10\_CancerRisk.csv  
Calculating chronic risk  
Chronic risk saved to: D:\Work\9th and Vineyard\RAST\PM10\_NCChronicRisk.csv  
Calculating acute risk  
Acute risk saved to: D:\Work\9th and Vineyard\RAST\PM10\_NCAcuteRisk.csv  
HRA ran successfully