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# **Kaiser Commerce Center**

## **AIR QUALITY IMPACT ANALYSIS**

### **COUNTY OF SAN BERNARDINO**

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## **LIST OF ABBREVIATED TERMS**

(1)	Reference
°F	Degrees Fahrenheit
µg/m <sup>3</sup>	Microgram per Cubic Meter
AQIA	Air Quality Impact Analysis
AQMP	Air Quality Management Plan
BBAQMD	Bay Area Air Quality Management District
BC	Black Carbon
CAA	Federal Clean Air Act
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
CALGreen	California Green Building Standards Code
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CCR	California Code of Regulations
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CO	Carbon Monoxide
COH	Coefficient of Haze
COHB	Carboxyhemoglobin
County	County of San Bernardino
CY	Cubic Yards
DPM	Diesel Particulate Matter
DRRP	Diesel Risk Reduction Plan
EC	Elemental Carbon
EIR	Environmental Impact Reports
EMFAC	Emission Factor model
EPA	Environmental Protection Agency
ETW	Equivalent Test Weight
GHG	Greenhouse Gas
g/L	Grams per Liter
GVWR	Gross Vehicle Weight Rating
HDT	Heavy Duty Trucks
HHDT	Heavy-Heavy Duty Trucks
HRA	Health Risk Assessment
HVLP	High Volume, Low Pressure
I-10	Interstate 10 Freeway

I-15	Interstate 15 Freeway
IR	Regional Industrial
lbs/gal	Pounds Per Gallon
LDA	Light Duty Automobiles
LHDT	Light Heavy-Duty Trucks
LST	Localized Significance Threshold
MATES	Multiple Air Toxics Exposure Study
LST METHODOLOGY	Final Localized Significance Threshold Methodology
MHDT	Medium Heavy-Duty Trucks
MM	Mitigation Measures
NAAQS	National Ambient Air Quality Standards
NO <sub>2</sub>	Nitrogen Dioxide
NO <sub>x</sub>	Nitrogen Oxides
O <sub>3</sub>	Ozone
OBD-II	On-Board Diagnostic
Pb	Lead
PM <sub>10</sub>	Particulate Matter 10 microns in diameter or less
PM <sub>2.5</sub>	Particulate Matter 2.5 microns in diameter or less
POLA	Port of Los Angeles
POLB	Port of Long Beach
PPM	Parts Per Million
Project	Kaiser Commerce Center
RECLAIM	Regional Clean Air Incentives Market
RFG-2	Reformulated Gasoline Regulation
ROG	Reactive Organic Gases
RTP/SCS	Regional Transportation Plan/ Sustainable Communities Strategy
SB	Senate Bill
SCAB	South Coast Air Basin
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SF	Square Feet
SIPs	State Implementation Plans
SO <sub>2</sub>	Sulfur Dioxide
SO <sub>4</sub>	Sulfates
SO <sub>x</sub>	Sulfur Oxides
SP	Specific Plan
SRA	Source Receptor Area

TAC	Toxic Air Contaminant
TDM	Transportation Demand Programs
TG	Trip Generation
TIA	Traffic Impact Analysis
TOG	Total Organic Gases
TRU	Transport Refrigeration Units
TSF	Thousand Square Feet
UFP	Ultra Fine Particles
UTRs	Utility Tractors
VMT	Vehicle Miles Traveled
VOC	Volatile Organic Compounds
VPH	Vehicles Per Hour

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## EXECUTIVE SUMMARY

The results of this *Kaiser Commerce Center Air Quality Impact Analysis* (AQIA) are summarized below based on the significance criteria in Section 3 of this report consistent with Appendix G of the California Environmental Quality Act (CEQA) Guidelines as implemented by the County of San Bernardino (1). Table ES-1 shows the findings of significance for each potential air quality impact under CEQA before and after any required mitigation measures (MMs) described below.

**TABLE ES-1: SUMMARY OF CEQA SIGNIFICANCE FINDINGS**

Analysis	Report Section	Significance Findings	
		Unmitigated	Mitigated
Regional Construction Emissions	3.4	<i>Less Than Significant</i>	<i>n/a</i>
Localized Construction Emissions	3.7	<i>Less Than Significant</i>	<i>n/a</i>
Regional Operational Emissions	3.5	<i>Less Than Significant</i>	<i>n/a</i>
Localized Operational Emissions	3.8	<i>Less Than Significant</i>	<i>n/a</i>
CO "Hot Spot" Analysis	3.9	<i>Less Than Significant</i>	<i>n/a</i>
Air Quality Management Plan	3.10	<i>Less Than Significant</i>	<i>n/a</i>
Sensitive Receptors	3.11	<i>Less Than Significant</i>	<i>n/a</i>
Odors	3.12	<i>Less Than Significant</i>	<i>n/a</i>
Cumulative Impacts	3.13	<i>Less Than Significant</i>	<i>n/a</i>

### ES.2 STANDARD REGULATORY REQUIREMENTS/BEST AVAILABLE CONTROL MEASURES

Measures listed below (or equivalent language) shall appear on all Project grading plans, construction specifications and bid documents, and the County shall ensure such language is incorporated prior to issuance of any development permits. South Coast Air Quality Management District (SCAQMD) Rules that are currently applicable during construction activity for this Project include but are not limited to Rule 403 (Fugitive Dust) (2) and Rule 1113 (Architectural Coatings) (3). It should be noted that these Best Available Control Measures (BACMs) are not mitigation as they are standard regulatory requirements. Credit for emissions reductions resulting from application of Rule 403 and Rule 1113 are reflected in the analysis presented here.

### **BACM AQ-1**

The contractor shall adhere to applicable measures contained in Table 1 of Rule 403 including, but not limited to (2):

- All clearing, grading, earth-moving, or excavation activities shall cease when winds exceed 25 mph per SCAQMD guidelines in order to limit fugitive dust emissions.
- The contractor shall ensure that all disturbed unpaved roads and disturbed areas within the Project are watered at least three (3) times daily during dry weather. Watering, with complete coverage of disturbed areas, shall occur at least three times a day, preferably in the mid-morning, afternoon, and after work is done for the day.
- The contractor shall ensure that traffic speeds on unpaved roads and Project site areas are limited to 15 miles per hour or less.

### **BACM AQ-2**

The following measures shall be incorporated into Project plans and specifications as implementation of SCAQMD Rule 1113 (3):

- Only “Low-Volatile Organic Compounds (VOC)” paints (no more than 50 gram/liter of VOC) consistent with SCAQMD Rule 1113 shall be used.

### **ES.3 CONSTRUCTION-SOURCE AND OPERATIONAL-SOURCE MMS**

The Project would not exceed any thresholds of significance for construction or operational-source emissions. As such, a less than significant impact would occur for Project-related construction and operational-source emissions and no mitigation is required.

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# **1 INTRODUCTION**

This report presents the results of the air quality impact analysis (AQIA) prepared by Urban Crossroads, Inc., for the proposed Kaiser Commerce Center (Project). The purpose of this AQIA is to evaluate the potential impacts to air quality associated with construction and operation of the Project and recommend measures to mitigate impacts considered potentially significant in comparison to thresholds established by the SCAQMD.

## **1.1 SITE LOCATION**

The proposed Kaiser Commerce Center Project is located on the south of San Bernardino Avenue, between Commerce Drive and Calabash Avenue in the unincorporated County of San Bernardino as shown on Exhibit 1-A. The Project site is located roughly 0.65 miles north of Interstate 10 (I-10) and 1.90 miles east of the Interstate 15 (I-15). Nearby industrial uses in the Project study area surround Project site to the north, east, and south; the Kaiser Commerce Center Specific Plan area surrounds the Project to the west.

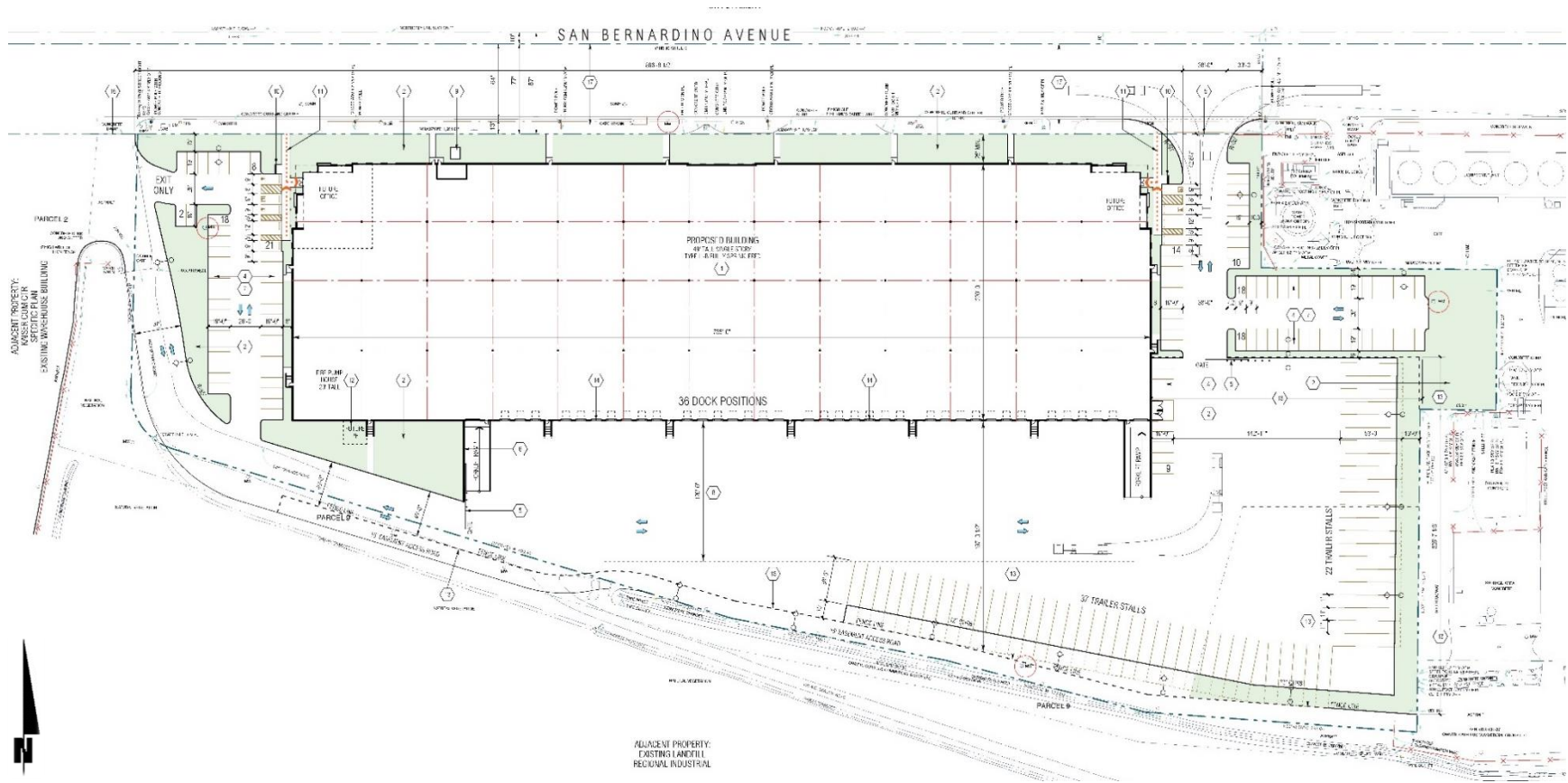
## **1.2 PROJECT DESCRIPTION**

It is our understanding that the Project is to consist of 132,259 square feet (sf) of warehousing use (80% of the overall square footage) and 33,065 sf of high-cube cold storage warehouse (20% of the overall square footage), totaling 165,324 sf of industrial use within a single building, as shown on Exhibit 1-B. At the time this air quality analysis was prepared, the future tenants of the proposed Project were unknown. This AQIA is intended to describe emission impacts associated with the expected typical 24-hour, seven days per week operational activities at the Project site.

EXHIBIT 1-A: LOCATION MAP



### EXHIBIT 1-B: SITE PLAN



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## 2 AIR QUALITY SETTING

### 2.1 SOUTH COAST AIR BASIN

The Project site is located in the South Coast Air Basin (SCAB) within the jurisdiction of SCAQMD (4). The SCAQMD was created by the 1977 Lewis-Presley Air Quality Management Act, which merged four county air pollution control bodies into one regional district. Under the Act, the SCAQMD is responsible for bringing air quality in areas under its jurisdiction into conformity with federal and state air quality standards. As previously stated, the Project site is located within the SCAB, a 6,745-square mile subregion of the SCAQMD, which includes portions of Los Angeles, Riverside, and San Bernardino Counties, and all of Orange County.

The SCAB is bounded by the Pacific Ocean to the west and the San Gabriel, San Bernardino, and San Jacinto Mountains to the north and east. The Los Angeles County portion of the Mojave Desert Air Basin is bounded by the San Gabriel Mountains to the south and west, the Los Angeles / Kern County border to the north, and the Los Angeles / San Bernardino County border to the east. The Riverside County portion of the Salton Sea Air Basin is bounded by the San Jacinto Mountains in the west and spans eastward up to the Palo Verde Valley.

### 2.2 REGIONAL CLIMATE

The regional climate has a substantial influence on air quality in the SCAB. In addition, the temperature, wind, humidity, precipitation, and amount of sunshine influence the air quality.

The annual average temperatures throughout the SCAB vary from the low to middle 60s degrees Fahrenheit (°F). Due to a decreased marine influence, the eastern portion of the SCAB shows greater variability in average annual minimum and maximum temperatures. January is the coldest month throughout the SCAB, with average minimum temperatures of 47°F in downtown Los Angeles and 36°F in San Bernardino. All portions of the SCAB have recorded maximum temperatures above 100°F.

Although the climate of the SCAB can be characterized as semi-arid, the air near the land surface is quite moist on most days because of the presence of a marine layer. This shallow layer of sea air is an important modifier of SCAB climate. Humidity restricts visibility in the SCAB, and the conversion of sulfur dioxide (SO<sub>2</sub>) to sulfates (SO<sub>4</sub>) is heightened in air with high relative humidity. The marine layer provides an environment for that conversion process, especially during the spring and summer months. The annual average relative humidity within the SCAB is 71% along the coast and 59% inland. Since the ocean effect is dominant, periods of heavy early morning fog are frequent and low stratus clouds are a characteristic feature. These effects decrease with distance from the coast.

More than 90% of the SCAB's rainfall occurs from November through April. The annual average rainfall varies from approximately nine inches in Riverside to fourteen inches in downtown Los Angeles. Monthly and yearly rainfall totals are extremely variable. Summer rainfall usually consists of widely scattered thunderstorms near the coast and slightly heavier shower activity in the eastern portion of the SCAB with frequency being higher near the coast.



Due to its generally clear weather, about three-quarters of available sunshine is received in the SCAB. The remaining one-quarter is absorbed by clouds. The ultraviolet portion of this abundant radiation is a key factor in photochemical reactions. On the shortest day of the year there are approximately 10 hours of possible sunshine, and on the longest day of the year there are approximately 14½ hours of possible sunshine.

The importance of wind to air pollution is considerable. The direction and speed of the wind determines the horizontal dispersion and transport of the air pollutants. During the late autumn to early spring rainy season, the SCAB is subjected to wind flows associated with the traveling storms moving through the region from the northwest. This period also brings five to ten periods of strong, dry offshore winds, locally termed "Santa Anas" each year. During the dry season, which coincides with the months of maximum photochemical smog concentrations, the wind flow is bimodal, typified by a daytime onshore sea breeze and a nighttime offshore drainage wind. Summer wind flows are created by the pressure differences between the relatively cold ocean and the unevenly heated and cooled land surfaces that modify the general northwesterly wind circulation over southern California. Nighttime drainage begins with the radiational cooling of the mountain slopes. Heavy, cool air descends the slopes and flows through the mountain passes and canyons as it follows the lowering terrain toward the ocean. Another characteristic wind regime in the SCAB is the "Catalina Eddy," a low level cyclonic (counterclockwise) flow centered over Santa Catalina Island which results in an offshore flow to the southwest. On most spring and summer days, some indication of an eddy is apparent in coastal sections.

In the SCAB, there are two distinct temperature inversion structures that control vertical mixing of air pollution. During the summer, warm high-pressure descending (subsiding) air is undercut by a shallow layer of cool marine air. The boundary between these two layers of air is a persistent marine subsidence/inversion. This boundary prevents vertical mixing which effectively acts as an impervious lid to pollutants over the entire SCAB. The mixing height for the inversion structure is normally situated 1,000 to 1,500 feet above mean sea level.

A second inversion-type forms in conjunction with the drainage of cool air off the surrounding mountains at night followed by the seaward drift of this pool of cool air. The top of this layer forms a sharp boundary with the warmer air aloft and creates nocturnal radiation inversions. These inversions occur primarily in the winter, when nights are longer and onshore flow is weakest. They are typically only a few hundred feet above mean sea level. These inversions effectively trap pollutants, such as nitrogen oxides (NO<sub>x</sub>) and carbon monoxide (CO) from vehicles, as the pool of cool air drifts seaward. Winter is therefore a period of high levels of primary pollutants along the coastline.

### **2.3 WIND PATTERNS AND PROJECT LOCATION**

The distinctive climate of the Project area and the SCAB is determined by its terrain and geographical location. The SCAB is located in a coastal plain with connecting broad valleys and low hills, bounded by the Pacific Ocean in the southwest quadrant with high mountains forming the remainder of the perimeter.

Wind patterns across the south coastal region are characterized by westerly and southwesterly onshore winds during the day and easterly or northeasterly breezes at night. Winds are

characteristically light although the speed is somewhat greater during the dry summer months than during the rainy winter season.

## 2.4 CRITERIA POLLUTANTS

Criteria pollutants are pollutants that are regulated through the development of human health based and/or environmentally based criteria for setting permissible levels. Criteria pollutants, their typical sources, and health effects are identified below (5):

**TABLE 2-1: CRITERIA POLLUTANTS**

Criteria Pollutant	Description	Sources	Health Effects
CO	CO is a colorless, odorless gas produced by the incomplete combustion of carbon-containing fuels, such as gasoline or wood. CO concentrations tend to be the highest during the winter morning, when little to no wind and surface-based inversions trap the pollutant at ground levels. Because CO is emitted directly from internal combustion engines, unlike ozone (O <sub>3</sub> ), motor vehicles operating at slow speeds are the primary source of CO in the SCAB. The highest ambient CO concentrations are generally found near congested transportation corridors and intersections.	Any source that burns fuel such as automobiles, trucks, heavy construction equipment, farming equipment and residential heating.	Individuals with a deficient blood supply to the heart are the most susceptible to the adverse effects of CO exposure. The effects observed include earlier onset of chest pain with exercise, and electrocardiograph changes indicative of decreased oxygen (O <sub>2</sub> ) supply to the heart. Inhaled CO has no direct toxic effect on the lungs but exerts its effect on tissues by interfering with O <sub>2</sub> transport and competing with O <sub>2</sub> to combine with hemoglobin present in the blood to form carboxyhemoglobin (COHb). Hence, conditions with an increased demand for O <sub>2</sub> supply can be adversely affected by exposure to CO. Individuals most at risk include fetuses, patients with diseases involving heart and blood vessels, and patients with chronic hypoxemia (O <sub>2</sub> deficiency) as seen at high altitudes.
SO <sub>2</sub>	SO <sub>2</sub> is a colorless, extremely irritating gas or liquid. It enters the atmosphere as a pollutant mainly as a result of burning high sulfur-content fuel oils and coal and from chemical processes	Coal or oil burning power plants and industries, refineries, diesel engines	A few minutes of exposure to low levels of SO <sub>2</sub> can result in airway constriction in some asthmatics, all of whom are sensitive to its effects. In asthmatics, increase in

Criteria Pollutant	Description	Sources	Health Effects
	<p>occurring at chemical plants and refineries. When SO<sub>2</sub> oxidizes in the atmosphere, it forms SO<sub>4</sub>. Collectively, these pollutants are referred to as sulfur oxides (SO<sub>x</sub>).</p>		<p>resistance to air flow, as well as reduction in breathing capacity leading to severe breathing difficulties, are observed after acute exposure to SO<sub>2</sub>. In contrast, healthy individuals do not exhibit similar acute responses even after exposure to higher concentrations of SO<sub>2</sub>.</p> <p>Animal studies suggest that despite SO<sub>2</sub> being a respiratory irritant, it does not cause substantial lung injury at ambient concentrations. However, very high levels of exposure can cause lung edema (fluid accumulation), lung tissue damage, and sloughing off of cells lining the respiratory tract.</p> <p>Some population-based studies indicate that the mortality and morbidity effects associated with fine particles show a similar association with ambient SO<sub>2</sub> levels. In these studies, efforts to separate the effects of SO<sub>2</sub> from those of fine particles have not been successful. It is not clear whether the two pollutants act synergistically, or one pollutant alone is the predominant factor.</p>
NO <sub>x</sub>	<p>NO<sub>x</sub> consist of nitric oxide (NO), nitrogen dioxide (NO<sub>2</sub>) and nitrous oxide (N<sub>2</sub>O) and are formed when nitrogen (N<sub>2</sub>) combines with O<sub>2</sub>. Their lifespan in the atmosphere ranges from one to seven days for nitric oxide and nitrogen dioxide, to 170 years for nitrous oxide. NO<sub>x</sub> is typically created during</p>	<p>Any source that burns fuel such as automobiles, trucks, heavy construction equipment, farming equipment and residential heating.</p>	<p>Population-based studies suggest that an increase in acute respiratory illness, including infections and respiratory symptoms in children (not infants), is associated with long-term exposure to NO<sub>2</sub> at levels found in homes with gas stoves, which are higher than</p>

Criteria Pollutant	Description	Sources	Health Effects
	<p>combustion processes and are major contributors to smog formation and acid deposition. NO<sub>2</sub> is a criteria air pollutant and may result in numerous adverse health effects; it absorbs blue light, resulting in a brownish-red cast to the atmosphere and reduced visibility. Of the seven types of nitrogen oxide compounds, NO<sub>2</sub> is the most abundant in the atmosphere. As ambient concentrations of NO<sub>2</sub> are related to traffic density, commuters in heavy traffic may be exposed to higher concentrations of NO<sub>2</sub> than those indicated by regional monitoring station.</p>		<p>ambient levels found in Southern California. Increase in resistance to air flow and airway contraction is observed after short-term exposure to NO<sub>2</sub> in healthy subjects. Larger decreases in lung functions are observed in individuals with asthma or chronic obstructive pulmonary disease (e.g., chronic bronchitis, emphysema) than in healthy individuals, indicating a greater susceptibility of these sub-groups.</p> <p>In animals, exposure to levels of NO<sub>2</sub> considerably higher than ambient concentrations result in increased susceptibility to infections, possibly due to the observed changes in cells involved in maintaining immune functions. The severity of lung tissue damage associated with high levels of O<sub>3</sub> exposure increases when animals are exposed to a combination of O<sub>3</sub> and NO<sub>2</sub>.</p>
O <sub>3</sub>	<p>O<sub>3</sub> is a highly reactive and unstable gas that is formed when VOCs and NO<sub>x</sub>, both byproducts of internal combustion engine exhaust, undergo slow photochemical reactions in the presence of sunlight. O<sub>3</sub> concentrations are generally highest during the summer months when direct sunlight, light wind, and warm temperature conditions are favorable to the formation of this pollutant.</p>	<p>Formed when reactive organic gases (ROG) and NO<sub>x</sub> react in the presence of sunlight. ROG sources include any source that burns fuels, (e.g., gasoline, natural gas, wood, oil) solvents, petroleum processing and storage and pesticides.</p>	<p>Individuals exercising outdoors, children, and people with preexisting lung disease, such as asthma and chronic pulmonary lung disease, are considered to be the most susceptible sub-groups for O<sub>3</sub> effects. Short-term exposure (lasting for a few hours) to O<sub>3</sub> at levels typically observed in Southern California can result in breathing pattern changes, reduction of breathing capacity, increased susceptibility to infections, inflammation of the lung tissue, and some immunological changes.</p>

Criteria Pollutant	Description	Sources	Health Effects
			<p>Elevated O<sub>3</sub> levels are associated with increased school absences. In recent years, a correlation between elevated ambient O<sub>3</sub> levels and increases in daily hospital admission rates, as well as mortality, has also been reported. An increased risk for asthma has been found in children who participate in multiple outdoor sports and live in communities with high O<sub>3</sub> levels.</p> <p>O<sub>3</sub> exposure under exercising conditions is known to increase the severity of the responses described above. Animal studies suggest that exposure to a combination of pollutants that includes O<sub>3</sub> may be more toxic than exposure to O<sub>3</sub> alone. Although lung volume and resistance changes observed after a single exposure diminish with repeated exposures, biochemical and cellular changes appear to persist, which can lead to subsequent lung structural changes.</p>
Particulate Matter	<p>PM<sub>10</sub>: A major air pollutant consisting of tiny solid or liquid particles of soot, dust, smoke, fumes, and aerosols. Particulate matter pollution is a major cause of reduce visibility (haze) which is caused by the scattering of light and consequently the significant reduction air clarity. The size of the particles (10 microns or smaller, about 0.0004 inches or less) allows them to easily enter the lungs where they may be deposited, resulting in adverse health effects. Additionally, it should be noted that PM<sub>10</sub> is</p>	<p>Sources of PM<sub>10</sub> include road dust, windblown dust and construction. Also formed from other pollutants (acid rain, NO<sub>x</sub>, SO<sub>x</sub>, organics). Incomplete combustion of any fuel.</p> <p>PM<sub>2.5</sub> comes from fuel combustion in motor vehicles, equipment and industrial sources,</p>	<p>A consistent correlation between elevated ambient fine particulate matter (PM<sub>10</sub> and PM<sub>2.5</sub>) levels and an increase in mortality rates, respiratory infections, number and severity of asthma attacks and the number of hospital admissions has been observed in different parts of the United States and various areas around the world. In recent years, some studies have reported an association between long-term exposure to air pollution dominated by</p>

Criteria Pollutant	Description	Sources	Health Effects
	<p>considered a criteria air pollutant.</p> <p>PM<sub>2.5</sub>: A similar air pollutant to PM<sub>10</sub> consisting of tiny solid or liquid particles which are 2.5 microns or smaller (which is often referred to as fine particles). These particles are formed in the atmosphere from primary gaseous emissions that include SO<sub>4</sub> formed from SO<sub>2</sub> release from power plants and industrial facilities and nitrates that are formed from NO<sub>x</sub> release from power plants, automobiles and other types of combustion sources. The chemical composition of fine particles highly depends on location, time of year, and weather conditions. PM<sub>2.5</sub> is a criteria air pollutant.</p>	<p>residential and agricultural burning. Also formed from reaction of other pollutants (acid rain, NO<sub>x</sub>, SO<sub>x</sub>, organics).</p>	<p>fine particles and increased mortality, reduction in lifespan, and an increased mortality from lung cancer.</p> <p>Daily fluctuations in PM<sub>2.5</sub> concentration levels have also been related to hospital admissions for acute respiratory conditions in children, to school and kindergarten absences, to a decrease in respiratory lung volumes in normal children, and to increased medication use in children and adults with asthma. Recent studies show lung function growth in children is reduced with long term exposure to particulate matter.</p> <p>The elderly, people with pre-existing respiratory or cardiovascular disease, and children appear to be more susceptible to the effects of high levels of PM<sub>10</sub> and PM<sub>2.5</sub>.</p>
<p>VOC</p>	<p>VOCs are hydrocarbon compounds (any compound containing various combinations of hydrogen and carbon atoms) that exist in the ambient air. VOCs contribute to the formation of smog through atmospheric photochemical reactions and/or may be toxic. Compounds of carbon (also known as organic compounds) have different levels of reactivity; that is, they do not react at the same speed or do not form O<sub>3</sub> to the same extent when exposed to photochemical processes. VOCs often have an odor, and some examples include gasoline, alcohol, and the solvents used in paints. Exceptions to the VOC designation include CO, carbon dioxide, carbonic acid, metallic carbides or carbonates, and</p>	<p>Organic chemicals are widely used as ingredients in household products. Paints, varnishes and wax all contain organic solvents, as do many cleaning, disinfecting, cosmetic, degreasing and hobby products. Fuels are made up of organic chemicals. All of these products can release organic compounds while you are using them, and, to some</p>	<p>Breathing VOCs can irritate the eyes, nose and throat, can cause difficulty breathing and nausea, and can damage the central nervous system as well as other organs. Some VOCs can cause cancer. Not all VOCs have all these health effects, though many have several.</p>

Criteria Pollutant	Description	Sources	Health Effects
	ammonium carbonate. VOCs are a criteria pollutant since they are a precursor to O <sub>3</sub> , which is a criteria pollutant. The terms VOC and ROG (see below) interchangeably.	degree, when they are stored.	
ROG	Similar to VOC, ROGs are also precursors in forming O <sub>3</sub> and consist of compounds containing methane, ethane, propane, butane, and longer chain hydrocarbons, which are typically the result of some type of combustion/decomposition process. Smog is formed when ROG and NO <sub>x</sub> react in the presence of sunlight. ROGs are a criteria pollutant since they are a precursor to O <sub>3</sub> , which is a criteria pollutant. The terms ROG and VOC (see previous) interchangeably.	Sources similar to VOCs.	Health effects similar to VOCs.
Lead (Pb)	Pb is a heavy metal that is highly persistent in the environment and is considered a criteria pollutant. In the past, the primary source of Pb in the air was emissions from vehicles burning leaded gasoline. The major sources of Pb emissions are ore and metals processing, particularly Pb smelters, and piston-engine aircraft operating on leaded aviation gasoline. Other stationary sources include waste incinerators, utilities, and lead-acid battery manufacturers. It should be noted that the Project does not include operational activities such as metal processing or Pb acid battery manufacturing. As such, the Project is not anticipated to generate a quantifiable amount of Pb emissions.	Metal smelters, resource recovery, leaded gasoline, deterioration of Pb paint.	<p>Fetuses, infants, and children are more sensitive than others to the adverse effects of Pb exposure. Exposure to low levels of Pb can adversely affect the development and function of the central nervous system, leading to learning disorders, distractibility, inability to follow simple commands, and lower intelligence quotient. In adults, increased Pb levels are associated with increased blood pressure.</p> <p>Pb poisoning can cause anemia, lethargy, seizures, and death; although it appears that there are no direct effects of Pb on the respiratory system. Pb can be stored in the bone from early age environmental exposure, and elevated blood Pb levels can occur due to breakdown of bone tissue during</p>

Criteria Pollutant	Description	Sources	Health Effects
			<p>pregnancy, hyperthyroidism (increased secretion of hormones from the thyroid gland) and osteoporosis (breakdown of bony tissue). Fetuses and breast-fed babies can be exposed to higher levels of Pb because of previous environmental Pb exposure of their mothers.</p>
<p>Odor</p>	<p>Odor means the perception experienced by a person when one or more chemical substances in the air come into contact with the human olfactory nerves (6).</p>	<p>Odors can come from many sources including animals, human activities, industry, natures, and vehicles.</p>	<p>Offensive odors can potentially affect human health in several ways. First, odorant compounds can irritate the eye, nose, and throat, which can reduce respiratory volume. Second, studies have shown that the VOCs that cause odors can stimulate sensory nerves to cause neurochemical changes that might influence health, for instance, by compromising the immune system. Finally, unpleasant odors can trigger memories or attitudes linked to unpleasant odors, causing cognitive and emotional effects such as stress.</p>



## 2.5 EXISTING AIR QUALITY

Existing air quality is measured at established SCAQMD air quality monitoring stations. Monitored air quality is evaluated in the context of ambient air quality standards. These standards are the levels of air quality that are considered safe, with an adequate margin of safety, to protect the public health and welfare. National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS) currently in effect are shown in Table 2-2 (7).

The determination of whether a region's air quality is healthful or unhealthful is determined by comparing contaminant levels in ambient air samples to the state and federal standards. At the time of this AQIA, the most recent state and federal standards were updated by CARB on May ,4 2016 and are presented in Table 2-2. The air quality in a region is considered to be in attainment by the state if the measured ambient air pollutant levels for O<sub>3</sub>, CO (except 8-hour Lake Tahoe), SO<sub>2</sub> (1 and 24 hour), NO<sub>2</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub> are not to be exceeded. All others are not to be equaled or exceeded. It should be noted that the three-year period is presented for informational purposes and is not the basis for how the State assigns attainment status. Attainment status for a pollutant means that the SCAQMD meets the standards set by the EPA or the California EPA (CalEPA). Conversely, nonattainment means that an area has monitored air quality that does not meet the NAAQS or CAAQS standards. In order to improve air quality in nonattainment areas, a State Implementation Plan (SIP) is drafted by CARB. The SIP outlines the measures that the state will take to improve air quality. Once nonattainment areas meet the standards and additional redesignation requirements, the EPA will designate the area as a maintenance area (8).

TABLE 2-2: AMBIENT AIR QUALITY STANDARDS (1 OF 2)

Ambient Air Quality Standards						
Pollutant	Averaging Time	California Standards <sup>1</sup>		National Standards <sup>2</sup>		
		Concentration <sup>3</sup>	Method <sup>4</sup>	Primary <sup>3,5</sup>	Secondary <sup>3,8</sup>	Method <sup>7</sup>
Ozone (O <sub>3</sub> ) <sup>8</sup>	1 Hour	0.09 ppm (180 µg/m <sup>3</sup> )	Ultraviolet Photometry	—	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.070 ppm (137 µg/m <sup>3</sup> )		0.070 ppm (137 µg/m <sup>3</sup> )		
Respirable Particulate Matter (PM10) <sup>9</sup>	24 Hour	50 µg/m <sup>3</sup>	Gravimetric or Beta Attenuation	150 µg/m <sup>3</sup>	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m <sup>3</sup>		—		
Fine Particulate Matter (PM2.5) <sup>9</sup>	24 Hour	—	—	35 µg/m <sup>3</sup>	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m <sup>3</sup>	Gravimetric or Beta Attenuation	12.0 µg/m <sup>3</sup>		
Carbon Monoxide (CO)	1 Hour	20 ppm (23 mg/m <sup>3</sup> )	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 mg/m <sup>3</sup> )	—	Non-Dispersive Infrared Photometry (NDIR)
	8 Hour	9.0 ppm (10 mg/m <sup>3</sup> )		9 ppm (10 mg/m <sup>3</sup> )	—	
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m <sup>3</sup> )		—	—	
Nitrogen Dioxide (NO <sub>2</sub> ) <sup>10</sup>	1 Hour	0.18 ppm (339 µg/m <sup>3</sup> )	Gas Phase Chemiluminescence	100 ppb (188 µg/m <sup>3</sup> )	—	Gas Phase Chemiluminescence
	Annual Arithmetic Mean	0.030 ppm (57 µg/m <sup>3</sup> )		0.053 ppm (100 µg/m <sup>3</sup> )	Same as Primary Standard	
Sulfur Dioxide (SO <sub>2</sub> ) <sup>11</sup>	1 Hour	0.25 ppm (655 µg/m <sup>3</sup> )	Ultraviolet Fluorescence	75 ppb (196 µg/m <sup>3</sup> )	—	Ultraviolet Fluorescence; Spectrophotometry (Pararosaniline Method)
	3 Hour	—		—	0.5 ppm (1300 µg/m <sup>3</sup> )	
	24 Hour	0.04 ppm (105 µg/m <sup>3</sup> )		0.14 ppm (for certain areas) <sup>11</sup>	—	
	Annual Arithmetic Mean	—		0.030 ppm (for certain areas) <sup>11</sup>	—	
Lead <sup>12,13</sup>	30 Day Average	1.5 µg/m <sup>3</sup>	Atomic Absorption	—	—	High Volume Sampler and Atomic Absorption
	Calendar Quarter	—		1.5 µg/m <sup>3</sup> (for certain areas) <sup>12</sup>	Same as Primary Standard	
	Rolling 3-Month Average	—		0.15 µg/m <sup>3</sup>		
Visibility Reducing Particles <sup>14</sup>	8 Hour	See footnote 14	Beta Attenuation and Transmittance through Filter Tape	<b>No National Standards</b>		
Sulfates	24 Hour	25 µg/m <sup>3</sup>	Ion Chromatography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m <sup>3</sup> )	Ultraviolet Fluorescence			
Vinyl Chloride <sup>12</sup>	24 Hour	0.01 ppm (26 µg/m <sup>3</sup> )	Gas Chromatography			

See footnotes on next page ...

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**TABLE 2-2: AMBIENT AIR QUALITY STANDARDS (2 OF 2)**

1. California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, and particulate matter (PM10, PM2.5, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
2. National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM10, the 24 hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above  $150 \mu\text{g}/\text{m}^3$  is equal to or less than one. For PM2.5, the 24 hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.
3. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of  $25^\circ\text{C}$  and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of  $25^\circ\text{C}$  and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.
4. Any equivalent measurement method which can be shown to the satisfaction of the ARB to give equivalent results at or near the level of the air quality standard may be used.
5. National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.
6. National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.
7. Reference method as described by the U.S. EPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the U.S. EPA.
8. On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.
9. On December 14, 2012, the national annual PM2.5 primary standard was lowered from  $15 \mu\text{g}/\text{m}^3$  to  $12.0 \mu\text{g}/\text{m}^3$ . The existing national 24-hour PM2.5 standards (primary and secondary) were retained at  $35 \mu\text{g}/\text{m}^3$ , as was the annual secondary standard of  $15 \mu\text{g}/\text{m}^3$ . The existing 24-hour PM10 standards (primary and secondary) of  $150 \mu\text{g}/\text{m}^3$  also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.
10. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.
11. On June 2, 2010, a new 1-hour  $\text{SO}_2$  standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971  $\text{SO}_2$  national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.  
Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.
12. The ARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.
13. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard ( $1.5 \mu\text{g}/\text{m}^3$  as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.
14. In 1989, the ARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

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## 2.6 REGIONAL AIR QUALITY

Air pollution contributes to a wide variety of adverse health effects. The EPA has established NAAQS for six of the most common air pollutants: CO, Pb, O<sub>3</sub>, particulate matter (PM<sub>10</sub> and PM<sub>2.5</sub>), NO<sub>2</sub>, and SO<sub>2</sub> which are known as criteria pollutants. The SCAQMD monitors levels of various criteria pollutants at 37 permanent monitoring stations and 5 single-pollutant source Pb air monitoring sites throughout the air district (9). On February 21, 2019, CARB posted the 2018 amendments to the state and national area designations. See Table 2-3 for attainment designations for the SCAB (10). Appendix 2.1 provides geographic representation of the state and federal attainment status for applicable criteria pollutants within the SCAB.

**TABLE 2-3: ATTAINMENT STATUS OF CRITERIA POLLUTANTS IN THE SCAB**

Criteria Pollutant	State Designation	Federal Designation
O <sub>3</sub> – 1-hour standard	Nonattainment	--
O <sub>3</sub> – 8-hour standard	Nonattainment	Nonattainment
PM <sub>10</sub>	Nonattainment	Attainment
PM <sub>2.5</sub>	Nonattainment	Nonattainment
CO	Attainment	Unclassifiable/Attainment
NO <sub>2</sub>	Attainment	Unclassifiable/Attainment
SO <sub>2</sub>	Unclassifiable/Attainment	Unclassifiable/Attainment
Pb <sup>1</sup>	Attainment	Unclassifiable/Attainment

Note: See Appendix 2.1 for a detailed map of State/National Area Designations within the SCAB

-- = The national 1-hour O<sub>3</sub> standard was revoked effective June 15, 2005

## 2.7 LOCAL AIR QUALITY

The Project site is located within the Source Receptor Area (SRA) 34 (11). Within SRA 34, the SCAQMD Central San Bernardino Valley 1 monitoring station is located 1.86 miles north of the Project site and is the nearest long-term air quality monitoring site for O<sub>3</sub>, CO, NO<sub>2</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub>.

The most recent three (3) years of data available is shown on Table 2-4 and identifies the number of days ambient air quality standards were exceeded for the study area, which is considered to be representative of the local air quality at the Project site. Data for O<sub>3</sub>, CO, NO<sub>2</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub> for 2016 through 2018 was obtained from the SCAQMD Air Quality Data Tables (12). Additionally, data for SO<sub>2</sub> has been omitted as attainment is regularly met in the SCAB and few monitoring stations measure SO<sub>2</sub> concentrations.

<sup>1</sup> The Federal nonattainment designation for lead is only applicable towards the Los Angeles County portion of the SCAB.

**TABLE 2-4: PROJECT AREA AIR QUALITY MONITORING SUMMARY 2016-2018**

POLLUTANT	STANDARD	YEAR		
		2016	2017	2018
<b>O<sub>3</sub></b>				
Maximum Federal 1-Hour Concentration (ppm)		0.139	0.137	0.141
Maximum Federal 8-Hour Concentration (ppm)		0.105	0.118	0.111
Number of Days Exceeding State 1-Hour Standard	> 0.09 ppm	34	49	38
Number of Days Exceeding State/Federal 8-Hour Standard	> 0.070 ppm	52	49	69
<b>CO</b>				
Maximum Federal 1-Hour Concentration	> 35 ppm	1.7	1.6	1.9
Maximum Federal 8-Hour Concentration	> 20 ppm	1.0	1.3	1.1
<b>NO<sub>2</sub></b>				
Maximum Federal 1-Hour Concentration	> 0.100 ppm	0.072	0.069	0.063
Annual Average		18.2	18.3	18.3
<b>PM<sub>10</sub></b>				
Maximum Federal 24-Hour Concentration (µg/m <sup>3</sup> )	> 150 µg/m <sup>3</sup>	94	75	64
Annual Federal Arithmetic Mean (µg/m <sup>3</sup> )		38.1	39.3	34.1
Number of Days Exceeding Federal 24-Hour Standard	> 150 µg/m <sup>3</sup>	0	0	0
Number of Days Exceeding State 24-Hour Standard	> 50 µg/m <sup>3</sup>	15	7	9
<b>PM<sub>2.5</sub></b>				
Maximum Federal 24-Hour Concentration (µg/m <sup>3</sup> )	> 35 µg/m <sup>3</sup>	30.45	39.2	29.2
Annual Federal Arithmetic Mean (µg/m <sup>3</sup> )	> 12 µg/m <sup>3</sup>	12.0	12.0	11.1
Number of Days Exceeding Federal 24-Hour Standard	> 35 µg/m <sup>3</sup>	0	1	0

µg/m<sup>3</sup> = Microgram per Cubic Meter

Source: Data for O<sub>3</sub>, CO, NO<sub>2</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub> was obtained from SCAQMD Air Quality Data Tables.

## 2.8 REGULATORY BACKGROUND

### 2.8.1 FEDERAL REGULATIONS

The EPA is responsible for setting and enforcing the NAAQS for O<sub>3</sub>, CO, NO<sub>x</sub>, SO<sub>2</sub>, PM<sub>10</sub>, and Pb (13). The EPA has jurisdiction over emissions sources that are under the authority of the federal government including aircraft, locomotives, and emissions sources outside state waters (Outer Continental Shelf). The EPA also establishes emission standards for vehicles sold in states other than California. Automobiles sold in California must meet the stricter emission requirements of the CARB.

The Federal Clean Air Act (CAA) was first enacted in 1955 and has been amended numerous times in subsequent years (1963, 1965, 1967, 1970, 1977, and 1990). The CAA establishes the federal air quality standards, the NAAQS, and specifies future dates for achieving compliance (14). The CAA also mandates that states submit and implement SIPs for local areas not meeting these

standards. These plans must include pollution control measures that demonstrate how the standards will be met.

The 1990 amendments to the CAA that identify specific emission reduction goals for areas not meeting the NAAQS require a demonstration of reasonable further progress toward attainment and incorporate additional sanctions for failure to attain or to meet interim milestones. The sections of the CAA most directly applicable to the development of the Project site include Title I (Non-Attainment Provisions) and Title II (Mobile Source Provisions) (15) (16). Title I provisions were established with the goal of attaining the NAAQS for the following criteria pollutants O<sub>3</sub>, NO<sub>2</sub>, SO<sub>2</sub>, PM<sub>10</sub>, CO, PM<sub>2.5</sub>, and Pb. The NAAQS were amended in July 1997 to include an additional standard for O<sub>3</sub> and to adopt a NAAQS for PM<sub>2.5</sub>. Table 2-3 (previously presented) provides the NAAQS within the SCAB.

Mobile source emissions are regulated in accordance with Title II provisions. These provisions require the use of cleaner burning gasoline and other cleaner burning fuels such as methanol and natural gas. Automobile manufacturers are also required to reduce tailpipe emissions of hydrocarbons and NO<sub>x</sub>. NO<sub>x</sub> is a collective term that includes all forms of NO<sub>x</sub> which are emitted as byproducts of the combustion process.

## 2.8.2 CALIFORNIA REGULATIONS

### CARB

The CARB, which became part of the CalEPA in 1991, is responsible for ensuring implementation of the California Clean Air Act (AB 2595), responding to the federal CAA, and for regulating emissions from consumer products and motor vehicles. AB 2595 mandates achievement of the maximum degree of emissions reductions possible from vehicular and other mobile sources in order to attain the state ambient air quality standards by the earliest practical date. The CARB established the CAAQS for all pollutants for which the federal government has NAAQS and, in addition, establishes standards for SO<sub>4</sub>, visibility, hydrogen sulfide (H<sub>2</sub>S), and vinyl chloride (C<sub>2</sub>H<sub>3</sub>Cl). However, at this time, H<sub>2</sub>S and C<sub>2</sub>H<sub>3</sub>Cl are not measured at any monitoring stations in the SCAB because they are not considered to be a regional air quality problem. Generally, the CAAQS are more stringent than the NAAQS (17) (13).

Local air quality management districts, such as the SCAQMD, regulate air emissions from stationary sources such as commercial and industrial facilities. All air pollution control districts have been formally designated as attainment or non-attainment for each CAAQS.

Serious non-attainment areas are required to prepare Air Quality Management Plans (AQMP) that include specified emission reduction strategies in an effort to meet clean air goals. These plans are required to include:

- Application of Best Available Retrofit Control Technology to existing sources;
- Developing control programs for area sources (e.g., architectural coatings and solvents) and indirect sources (e.g. motor vehicle use generated by residential and commercial development);
- A District permitting system designed to allow no net increase in emissions from any new or modified permitted sources of emissions;

- Implementing reasonably available transportation control measures and assuring a substantial reduction in growth rate of vehicle trips and miles traveled;
- Significant use of low emissions vehicles by fleet operators;
- Sufficient control strategies to achieve a 5% or more annual reduction in emissions or 15% or more in a period of three years for ROG<sub>s</sub>, NO<sub>x</sub>, CO and PM<sub>10</sub>. However, air basins may use alternative emission reduction strategy that achieves a reduction of less than 5% per year under certain circumstances.

#### **TITLE 24 ENERGY EFFICIENCY STANDARDS AND CALIFORNIA GREEN BUILDING STANDARDS**

California Code of Regulations (CCR) Title 24 Part 6: California's Energy Efficiency Standards for Residential and Nonresidential Buildings, 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. CCR, Title 24, Part 11: California Green Building Standards Code (CALGreen) is a comprehensive and uniform regulatory code for all residential, commercial, and school buildings that went in effect on January 1, 2011, and is administered by the California Building Standards Commission. CALGreen is updated on a regular basis, with the most recent approved update consisting of the 2019 California Green Building Code Standards that will be effective January 1, 2020. Local jurisdictions are permitted to adopt more stringent requirements, as state law provides methods for local enhancements. CALGreen recognizes that many jurisdictions have developed existing construction and demolition ordinances and defers to them as the ruling guidance provided, they establish a minimum 65% diversion requirement. The code also provides exemptions for areas not served by construction and demolition recycling infrastructure. The State Building Code provides the minimum standard that buildings must meet in order to be certified for occupancy, which is generally enforced by the local building official.

Energy efficient buildings require less electricity; therefore, increased energy efficiency reduces fossil fuel consumption and decreases greenhouse gas (GHG) emissions. The 2019 version of Title 24 was adopted by the California Energy Commission (CEC) and became effective on January 1, 2020.

The 2019 Title 24 standards will result in less energy use, thereby reducing air pollutant emissions associated with energy consumption in the SCAB and across the State of California. For example, the 2019 Title 24 standards will require solar photovoltaic systems for new homes, establish requirements for newly constructed healthcare facilities, encourage demand responsive technologies for residential buildings, and update indoor and outdoor lighting requirements for nonresidential buildings. The CEC anticipates that single-family homes built with the 2019 standards will use approximately 7% less energy compared to the residential homes built under the 2016 standards. Additionally, after implementation of solar photovoltaic systems, homes built under the 2019 standards will use about 53% less energy than homes built under the 2016 standards. Nonresidential buildings (such as the Project) will use approximately 30% less energy due to lighting upgrade requirements (18).

Because the Project will be constructed after January 1, 2019, the 2019 CALGreen standards are applicable to the Project and require, among other items (19):

- Short-term bicycle parking. If the new project or an additional alteration is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passers-by, for 5% of new visitor motorized vehicle parking spaces being added, with a minimum of one two-bike capacity rack (5.106.4.1.1).
- Long-term bicycle parking. For new buildings with tenant spaces that have 10 or more tenant-occupants, provide secure bicycle parking for 5% of the tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility (5.106.4.1.2).
- Designated parking. In new projects or additions to alterations that add 10 or more vehicular parking spaces, provide designated parking for any combination of low-emitting, fuel-efficient and carpool/van pool vehicles as shown in Table 5.106.5.2 (5.106.5.2).
- Construction waste management. Recycle and/or salvage for reuse a minimum of 65% of the nonhazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.405.1.2, or 5.408.1.3; or meet a local construction and demolition waste management ordinance, whichever is more stringent (5.408.1).
- Excavated soil and land clearing debris. 100% of trees, stumps, rocks and associated vegetation and soils resulting primarily from land clearing shall be reused or recycled. For a phased project, such material may be stockpiled on site until the storage site is developed (5.408.3).
- Recycling by Occupants. Provide readily accessible areas that serve the entire building and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling ordinance, if more restrictive (5.410.1).
- Water conserving plumbing fixtures and fittings. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following:
  - Water Closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per flush (5.303.3.1)
  - Urinals. The effective flush volume of wall-mounted urinals shall not exceed 0.125 gallons per flush (5.303.3.2.1). The effective flush volume of floor-mounted or other urinals shall not exceed 0.5 gallons per flush (5.303.3.2.2).
  - Showerheads. Single showerheads shall have a minimum flow rate of not more than 1.8 gallons per minute and 80 psi (5.303.3.3.1). When a shower is served by more than one showerhead, the combine flow rate of all showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi (5.303.3.3.2).
  - Faucets and fountains. Nonresidential lavatory faucets shall have a maximum flow rate of not more than 0.5 gallons per minute at 60 psi (5.303.3.4.1). Kitchen faucets shall have a maximum flow rate of not more than 1.8 gallons per minute of 60 psi (5.303.3.4.2). Wash fountains shall have a maximum flow rate of not more than 1.8 gallons per minute (5.303.3.4.3). Metering faucets shall not deliver more than 0.20 gallons per cycle (5.303.3.4.4). Metering faucets for wash fountains shall have a maximum flow rate not more than 0.20 gallons per cycle (5.303.3.4.5).
- Outdoor portable water use in landscaped areas. Nonresidential developments shall comply with a local water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient (MWELO), whichever is more stringent (5.304.1).
- Water meters. Separate submeters or metering devices shall be installed for new buildings or additions in excess of 50,000 sf or for excess consumption where any tenant within a new building



or within an addition that is project to consume more than 1,000 gal/day (5.303.1.1 and 5.303.1.2).

- Outdoor water use in rehabilitated landscape projects equal or greater than 2,500 sf. Rehabilitated landscape projects with an aggregate landscape area equal to or greater than 2,500 sf requiring a building or landscape permit (5.304.3).
- Commissioning. For new buildings 10,000 sf and over, building commissioning shall be included in the design and construction processes of the building project to verify that the building systems and components meet the owner's or owner representative's project requirements (5.410.2).

### **2.8.3 AIR QUALITY MANAGEMENT PLANNING**

Currently, the NAAQS and CAAQS are exceeded in most parts of the SCAB. In response, the SCAQMD has adopted a series of AQMPs to meet the state and federal ambient air quality standards (20). AQMPs are updated regularly in order to more effectively reduce emissions, accommodate growth, and to minimize any negative fiscal impacts of air pollution control on the economy. A detailed discussion on the AQMP and Project consistency with the AQMP is provided in Section 3.10.

## **2.9 REGIONAL AIR QUALITY IMPROVEMENT**

The Project is within the jurisdiction of the SCAQMD. In 1976, California adopted the Lewis Air Quality Management Act which created SCAQMD from a voluntary association of air pollution control districts in Los Angeles, Orange, Riverside, and San Bernardino counties. The geographic area of which SCAQMD consists is known as the SCAB. SCAQMD develops comprehensive plans and regulatory programs for the region to attain federal standards by dates specified in federal law. The agency is also responsible for meeting state standards by the earliest date achievable, using reasonably available control measures.

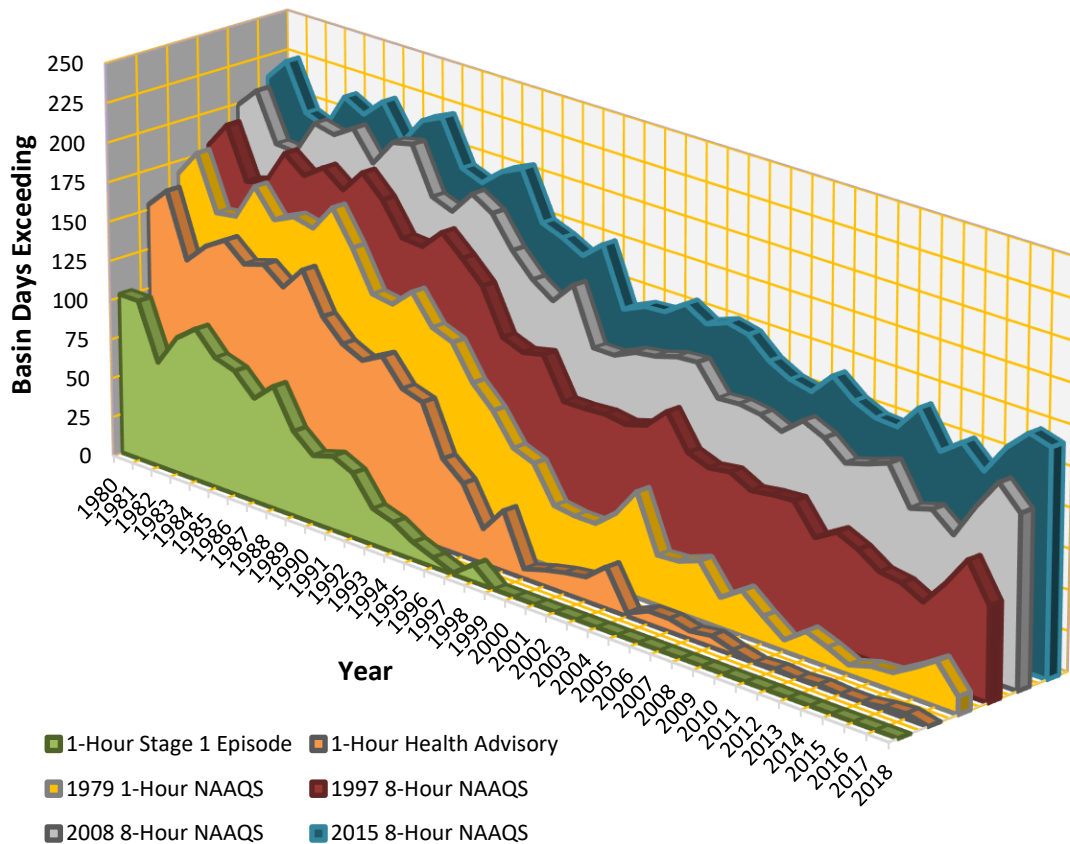
SCAQMD rule development through the 1970s and 1980s resulted in dramatic improvement in SCAB air quality. Nearly all control programs developed through the early 1990s relied on (i) the development and application of cleaner technology; (ii) add-on emission controls, and (iii) uniform CEQA review throughout the SCAB. Industrial emission sources have been significantly reduced by this approach and vehicular emissions have been reduced by technologies implemented at the state level by CARB.

As discussed above, the SCAQMD is the lead agency charged with regulating air quality emission reductions for the entire SCAB. SCAQMD created AQMPs which represent a regional blueprint for achieving healthful air on behalf of the 16 million residents of the SCAB. The 2012 AQMP states, "the remarkable historical improvement in air quality since the 1970's is the direct result of Southern California's comprehensive, multiyear strategy of reducing air pollution from all sources as outlined in its AQMPs," (21).

Emissions of O<sub>3</sub>, NO<sub>x</sub>, VOC, and CO have been decreasing in the SCAB since 1975 and are projected to continue to decrease through 2020 (22). These decreases result primarily from motor vehicle controls and reductions in evaporative emissions. Although VMT in the SCAB continue to increase, NO<sub>x</sub> and VOC 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 use of cleaner fuels and renewable energy. O<sub>3</sub> contour maps show that the number of days exceeding the 8-hour NAAQS has decreased between 1997 and 2007. In the 2007 period, there was an overall decrease in exceedance days compared with the 1997 period. However, as shown on Table 2-5, O<sub>3</sub> levels have increased in the past two years due to higher temperatures and stagnant weather conditions. Notwithstanding, O<sub>3</sub> levels in the SCAB have decreased substantially over the last 30 years with the current maximum measured concentrations being approximately one-third of concentrations within the late 70's (23).

**TABLE 2-5: SCAB O<sub>3</sub> TREND**

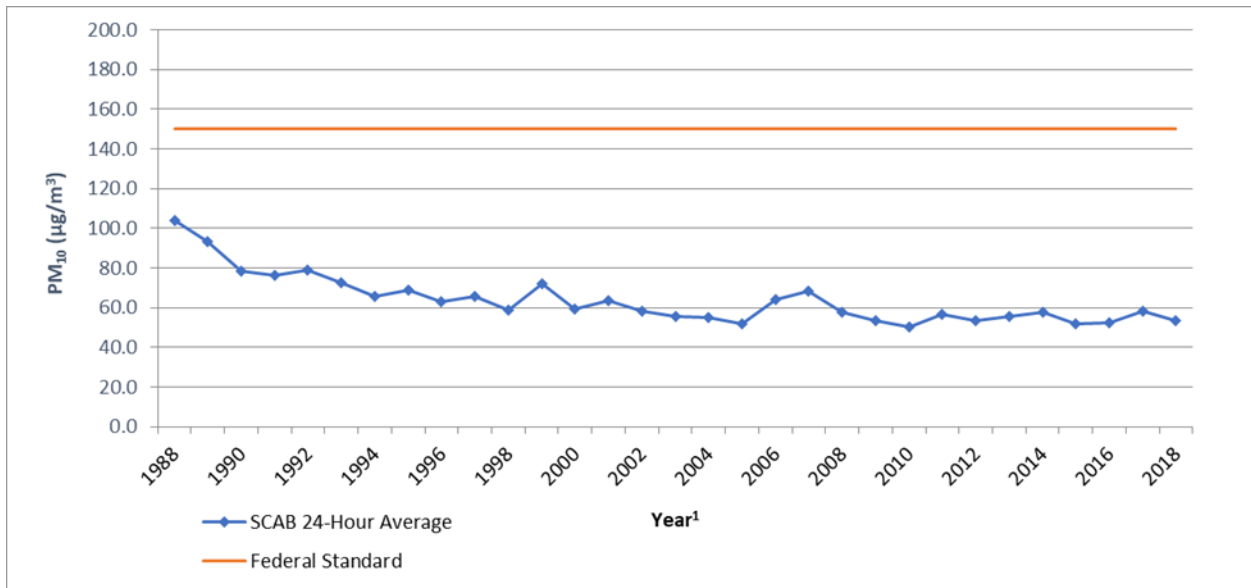


Source: SCAQMD

The overall trends of PM<sub>10</sub> and PM<sub>2.5</sub> levels in the air (not emissions) show an overall improvement since 1975. Direct emissions of PM<sub>10</sub> have remained somewhat constant in the SCAB and direct emissions of PM<sub>2.5</sub> have decreased slightly since 1975. Area wide sources (fugitive dust from roads, dust from construction and demolition, and other sources) contribute the greatest amount of direct particulate matter emissions.

As with other pollutants, the most recent PM<sub>10</sub> statistics show an overall improvement as illustrated in Tables 2-6 and 2-7. During the period for which data are available, the 24-hour national annual average concentration for PM<sub>10</sub> decreased by approximately 48%, from 103.7 microgram per cubic meter (µg/m<sup>3</sup>) in 1988 to 53.5 µg/m<sup>3</sup> in 2018 (24). Although the values are below the federal standard, it should be noted that there are days within the year where the concentrations will exceed the threshold. The 24-hour state annual average for emissions for PM<sub>10</sub>, have decreased by approximately 53% since 1988 (24). Although data in the late 1990's show some variability, this is probably due to the advances in meteorological science rather than a change in emissions. Similar to the ambient concentrations, the calculated number of days above the 24-hour PM<sub>10</sub> standards has also shown an overall drop.

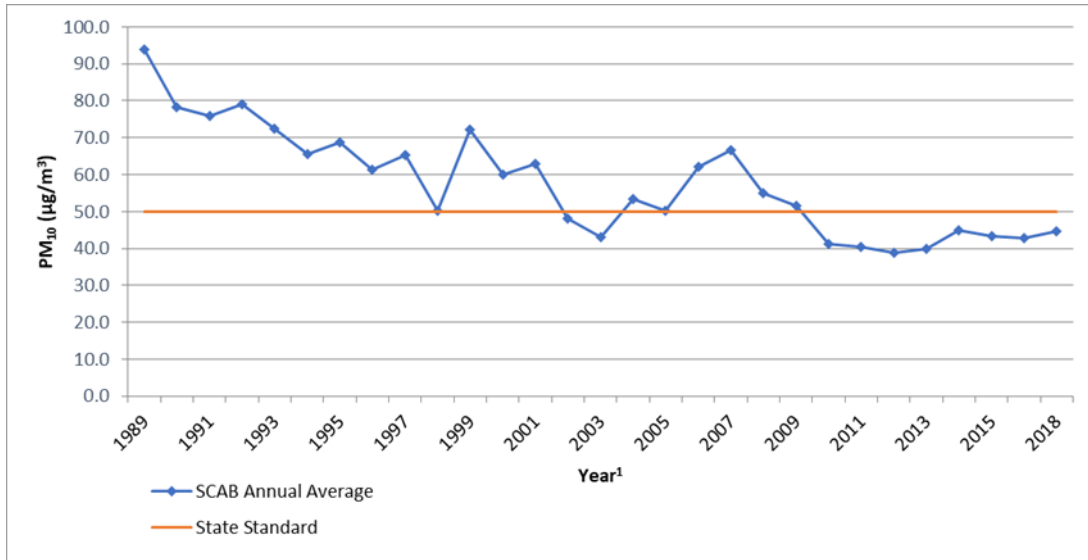
**TABLE 2-6: SCAB AVERAGE 24-HOUR CONCENTRATION PM<sub>10</sub> TREND (BASED ON FEDERAL STANDARD)<sup>1</sup>**



Source: CARB

<sup>1</sup> Some year have been omitted from the table as insufficient data (or no) data has been reported. Years with reported value of "0" have also been omitted.

**TABLE 2-7: SCAB ANNUAL AVERAGE CONCENTRATION PM<sub>10</sub> TREND (BASED ON STATE STANDARD)<sup>1</sup>**

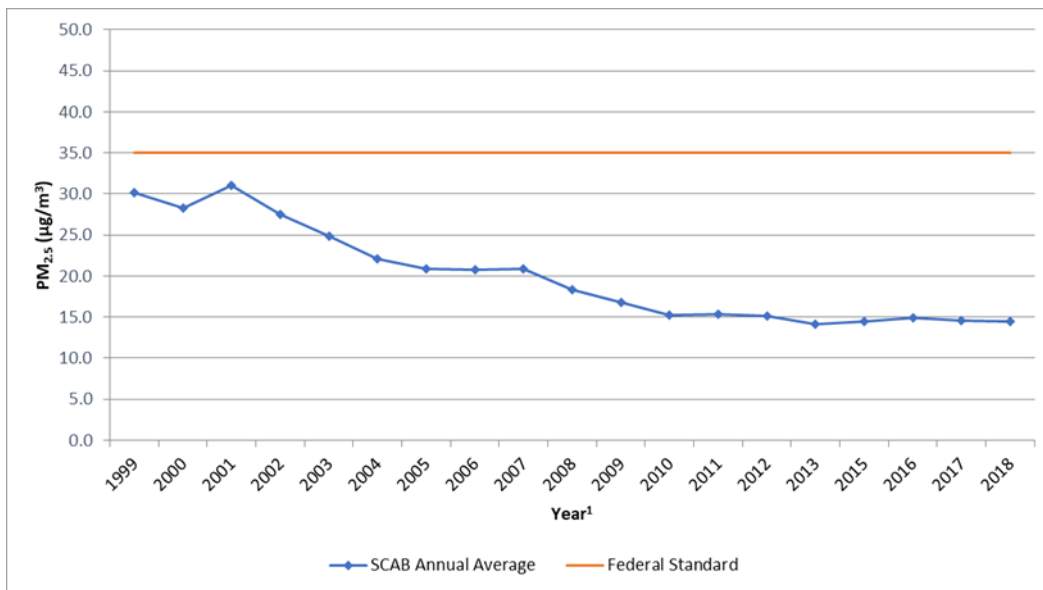


Source: CARB

<sup>1</sup> Some year have been omitted from the table as insufficient data (or no) data has been reported. Years with reported value of "0" have also been omitted.

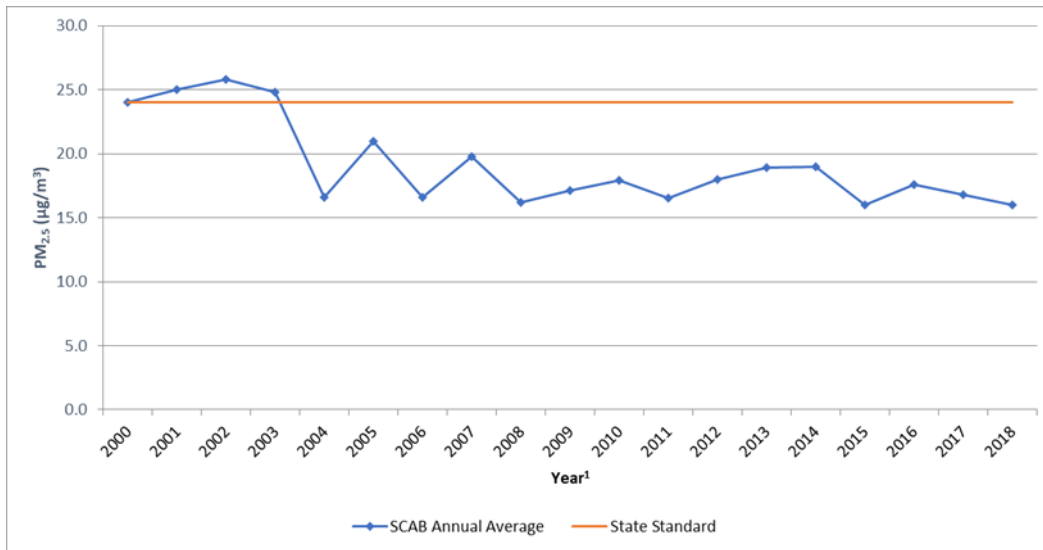
Tables 2-8 and 2-9 shows the most recent 24-hour average PM<sub>2.5</sub> concentrations in the SCAB from 1999 through 2018. Overall, the national and state annual average concentrations have decreased by almost 52% and 33% respectively (24). It should be noted that the SCAB is currently designated as nonattainment for the state and federal PM<sub>2.5</sub> standards.

**TABLE 2-8: SCAB 24-HOUR AVERAGE CONCENTRATION PM<sub>2.5</sub> TREND (BASED ON FEDERAL STANDARD)<sup>1</sup>**



Source: CARB

<sup>1</sup> Some year have been omitted from the table as insufficient data (or no) data has been reported. Years with reported value of "0" have also been omitted.

**TABLE 2-9: SCAB ANNUAL AVERAGE CONCENTRATION PM<sub>2.5</sub> TREND (BASED ON STATE STANDARD)<sup>1</sup>**

Source: CARB

<sup>1</sup> Some year have been omitted from the table as insufficient data (or no) data has been reported. Years with reported value of "0" have also been omitted.

While the 2012 AQMP PM<sub>10</sub> attainment demonstration and the 2015 associated supplemental SIP submission indicated that attainment of the 24-hour standard was predicted to occur by the end of 2015, it could not anticipate the effect of the ongoing drought on the measured PM<sub>2.5</sub>.

The 2006 to 2010 base period used for the 2012 attainment demonstration had near-normal rainfall. While the trend of PM<sub>2.5</sub>-equivalent emission reductions continued through 2015, the severe drought conditions contributed to the PM<sub>2.5</sub> increases observed after 2012. As a result of the disrupted progress toward attainment of the federal 24-hour PM<sub>2.5</sub> standard, SCAQMD submitted a request and the EPA approved, in January 2016, a "bump up" to the nonattainment classification from "moderate" to "serious," with a new attainment deadline as soon as practicable, but not beyond December 31, 2019.

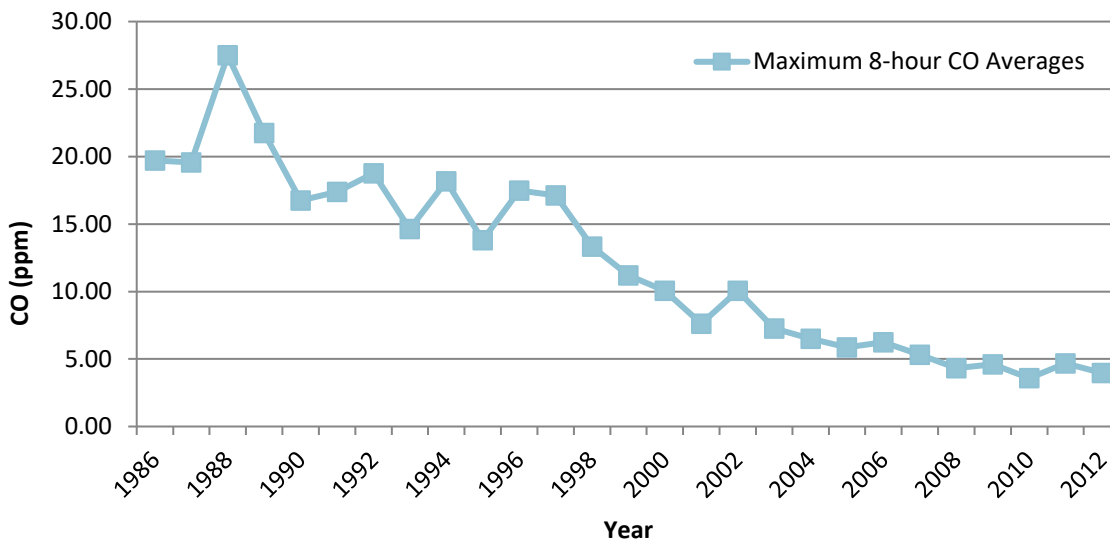
In March 2017, the SCAQMD released the Final 2016 AQMP. The 2016 AQMP continues to evaluate current integrated strategies and control measures to meet the NAAQS, as well as, explore new and innovative methods to reach its goals. Some of these approaches include utilizing incentive programs, recognizing existing co-benefit programs from other sectors, and developing a strategy with fair-share reductions at the federal, state, and local levels (25). Similar to the 2012 AQMP, the 2016 AQMP incorporates scientific and technological information and planning assumptions, including the 2016 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) and updated emission inventory methodologies for various source categories (20).

The most recent CO concentrations in the SCAB are shown in Table 2-10 (24). CO concentrations in the SCAB have decreased markedly — a total decrease of more about 80% in the peak 8-hour concentration since 1986. It should be noted 2012 is the most recent year where 8-hour CO averages and related statistics are available in the SCAB. The number of exceedance days has

also declined. The entire SCAB is now designated as attainment for both the state and national CO standards. Ongoing reductions from motor vehicle control programs should continue the downward trend in ambient CO concentrations.

Part of the control process of the SCAQMD’s duty to greatly improve the air quality in the SCAB is the uniform CEQA review procedures required by SCAQMD’s CEQA Handbook (26). The single threshold of significance used to assess Project direct and cumulative impacts has in fact “worked” as evidenced by the track record of the air quality in the SCAB dramatically improving over the course of the past decades. As stated by the SCAQMD, the District’s thresholds of significance are based on factual and scientific data and are therefore appropriate thresholds of significance to use for this Project.

**TABLE 2-10: SCAB 24-HOUR AVERAGE CONCENTRATION CO TREND<sup>1</sup>**

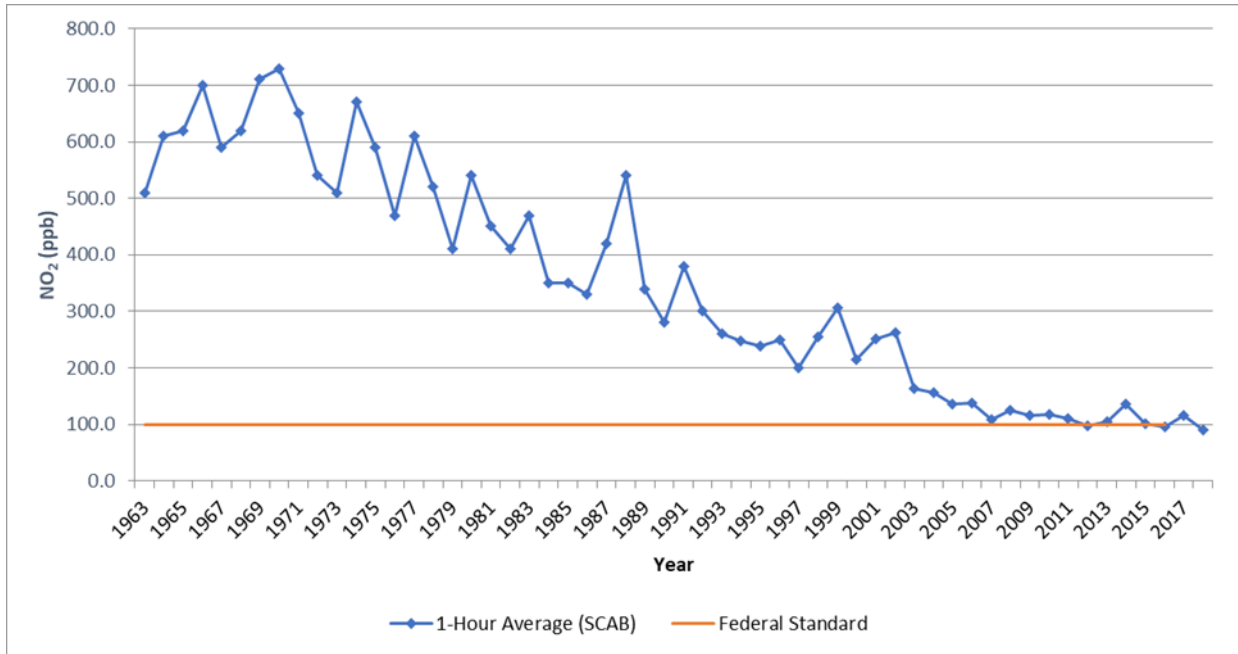


Source: CARB

<sup>1</sup> The most recent year where 8-hour concentration data is available is 2012.

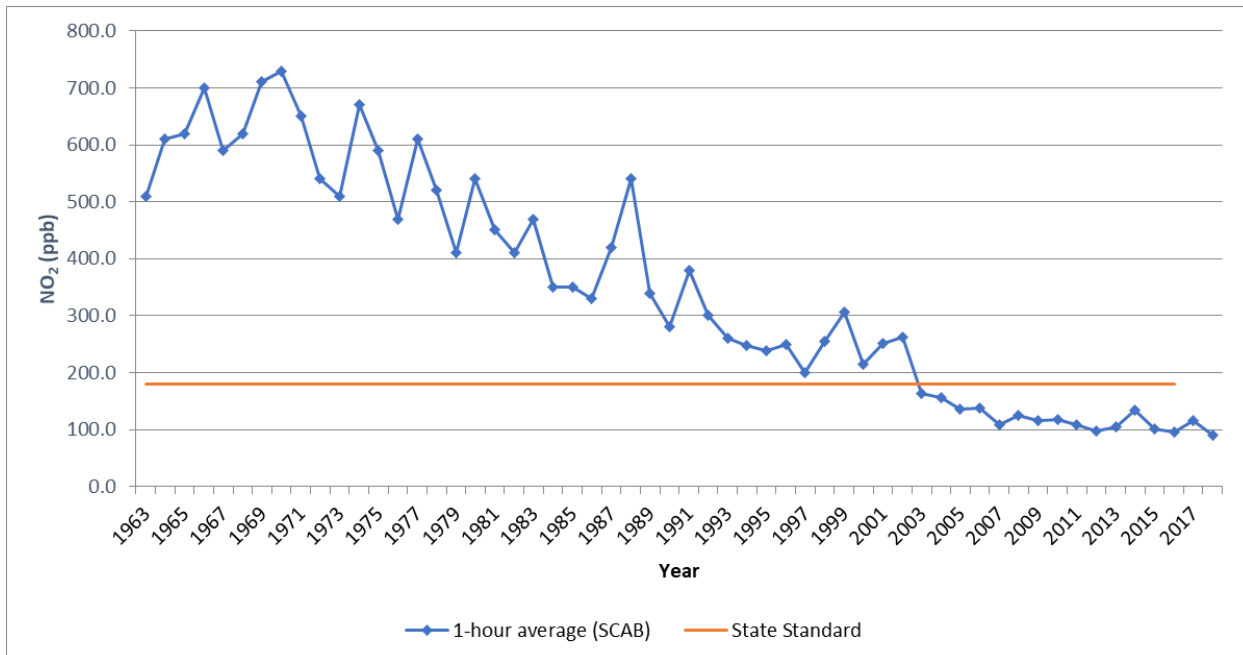
The most recent NO<sub>2</sub> data for the SCAB is shown in Tables 2-11 and 2-12 (24). Over the last 50 years, NO<sub>2</sub> values have decreased significantly; the peak 1-hour national and state averages for 2018 is approximately 82% lower than what it was during 1963. The SCAB attained the State 1-hour NO<sub>2</sub> standard in 1994, bringing the entire state into attainment. A new state annual average standard of 0.030 ppm was adopted by the ARB in February 2007 (27). The new standard is just barely exceeded in the SCAQMD. NO<sub>2</sub> is formed from NO<sub>x</sub> emissions, which also contribute to O<sub>3</sub>. As a result, the majority of the future emission control measures will be implemented as part of the overall O<sub>3</sub> control strategy. Many of these control measures will target mobile sources, which account for more than three-quarters of California’s NO<sub>x</sub> emissions. These measures are expected to bring the SCAQMD into attainment of the state annual average standard.

**TABLE 2-11: SCAB 1-HOUR AVERAGE CONCENTRATION NO<sub>2</sub> TREND (BASED ON FEDERAL STANDARD)**



Source: CARB

**TABLE 2-12: SCAB 1-HOUR AVERAGE CONCENTRATION NO<sub>2</sub> TREND (BASED ON STATE STANDARD)**

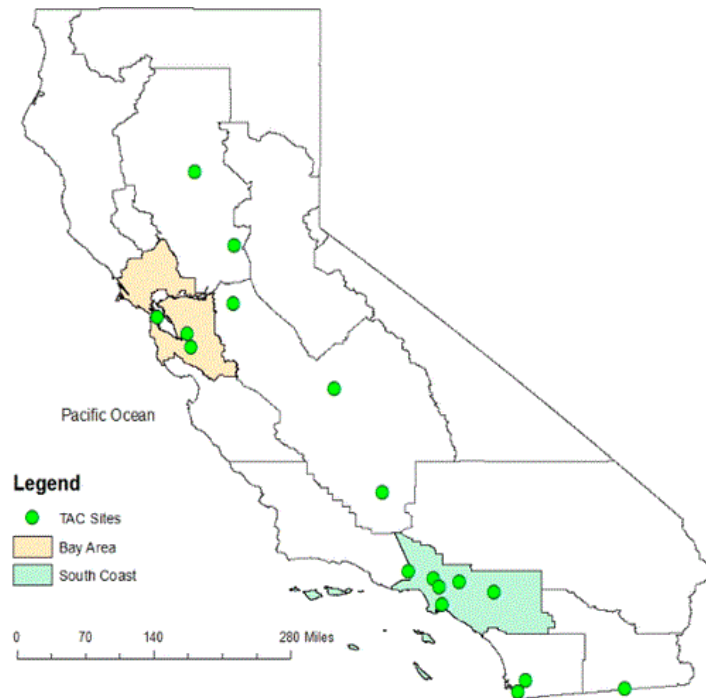


Source: CARB

### 2.9.1 TOXIC AIR CONTAMINANTS (TAC) TRENDS

In 1984, as a result of public concern for exposure to airborne carcinogens, the CARB adopted regulations to reduce the amount of TAC emissions resulting from mobile and area sources, such as cars, trucks, stationary products, and consumer products. According to the *Ambient and Emission Trends of Toxic Air Contaminants in California* journal article (28) which was prepared for CARB, results show that between 1990-2012, ambient concentration and emission trends for the seven TACs responsible for most of the known cancer risk associated with airborne exposure in California have declined significantly (between 1990 and 2012). The seven TACs studied include those that are derived from mobile sources: diesel particulate matter (DPM), benzene (C<sub>6</sub>H<sub>6</sub>), and 1,3-butadiene (C<sub>4</sub>H<sub>6</sub>); those that are derived from stationary sources: perchloroethylene (C<sub>2</sub>Cl<sub>4</sub>) and hexavalent chromium (Cr(VI)); and those derived from photochemical reactions of emitted VOCs: formaldehyde (CH<sub>2</sub>O) and acetaldehyde (C<sub>2</sub>H<sub>4</sub>O)<sup>2</sup>. TACs data was gathered at monitoring sites from both the Bay Area and SCAB, as shown on Exhibit 2-A; Several of the sites in the SCAB include Reseda, Compton, Rubidoux, Burbank, and Fontana. The decline in ambient concentration and emission trends of these TACs are a result of various regulations CARB has implemented to address cancer risk.

**EXHIBIT 2-A: CALIFORNIA TAC SITES**



Source: CARB

<sup>2</sup> It should be noted that ambient DPM concentrations are not measured directly. Rather, a surrogate method using the coefficient of haze (COH) and elemental carbon (EC) is used to estimate DPM concentrations.

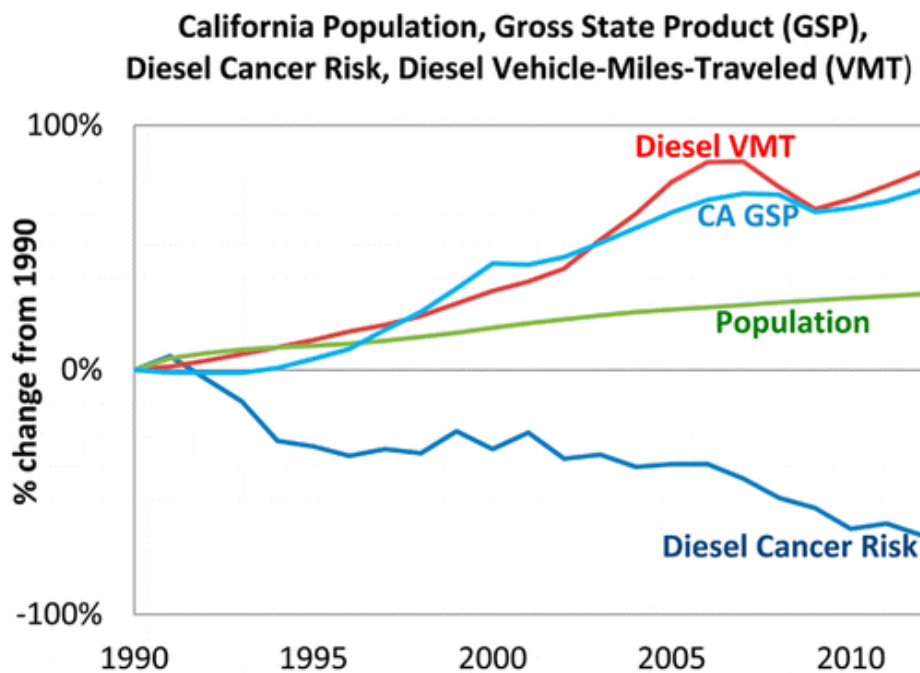


### 2.9.2 MOBILE SOURCE TACS

CARB introduced two programs that aimed at reducing mobile emissions for light and medium duty vehicles through vehicle emissions controls and cleaner fuel. In California, light-duty vehicles sold after 1996 are equipped with California’s second-generation On-Board Diagnostic (OBD-II) system. The OBD-II system monitors virtually every component that can affect the emission performance of the vehicle to ensure that the vehicle remains as clean as possible over its entire life and assists repair technicians in diagnosing and fixing problems with the computerized engine controls. If a problem is detected, the OBD-II system illuminates a warning lamp on the vehicle instrument panel to alert the driver. This warning lamp typically contains the phrase “Check Engine” or “Service Engine Soon”. The system will also store important information about the detected malfunction so that a repair technician can accurately find and fix the problem. CARB has recently developed similar OBD requirements for heavy-duty vehicles over 14,000 pounds (lbs). CARB’s phase II Reformulated Gasoline Regulation (RFG-2), adopted in 1996, also led to a reduction of mobile source emissions. Through such regulations, benzene levels declined 88% from 1990-2012. 1,3-Butadiene concentrations also declined 85% from 1990-2012 as a result of the use of reformulated gasoline and motor vehicle regulations (28).

In 2000, CARB’s Diesel Risk Reduction Plan (DRRP) recommended the replacement and retrofit of diesel-fueled engines and the use of ultra-low-sulfur (<15 ppm) diesel fuel. As a result of these measures, DPM concentrations have declined 68% since 2000, even though the state’s population increased 31% and the amount of diesel vehicles miles traveled increased 81%, as shown on Exhibit 2-B. With the implementation of these diesel-related control regulations, CARB expects a DPM decline of 71% for 2000-2020.

EXHIBIT 2-B: DPM AND DIESEL VEHICLE MILES TREND



Source: CARB

### 2.9.3 DIESEL REGULATIONS

The CARB and the Ports of Los Angeles and Long Beach (POLA and POLB) have adopted several iterations of regulations for diesel trucks that are aimed at reducing DPM. More specifically, the CARB Drayage Truck Regulation (29), the CARB statewide On-road Truck and Bus Regulation (30), and the Ports of Los Angeles and Long Beach Clean Truck Program (CTP) require accelerated implementation of “clean trucks” into the statewide truck fleet (31). In other words, older more polluting trucks will be replaced with newer, cleaner trucks as a function of these regulatory requirements.

Moreover, the average statewide DPM emissions for Heavy Duty Trucks (HDT), in terms of grams of DPM generated per mile traveled, will dramatically be reduced due to the aforementioned regulatory requirements.

Diesel emissions identified in this analysis would therefore overstate future DPM emissions since not all the regulatory requirements are reflected in the modeling.

### 2.9.4 CANCER RISK TRENDS

Based on information available from CARB, overall cancer risk throughout the SCAB has had a declining trend since 1990. In 1998, following an exhaustive 10-year scientific assessment process, CARB identified particulate matter from diesel-fueled engines as a TAC. The SCAQMD initiated a comprehensive urban toxic air pollution study called the Multiple Air Toxics Exposure Study (MATES). DPM accounts for more than 70% of the cancer risk.

In 2008 the SCAQMD prepared an update to the MATES-II study, referred to as MATES-III. MATES-III estimates the average excess cancer risk level from exposure to TACs is an approximately 17% decrease in comparison to the MATES-II study.

In 2015, the SCAQMD published an in-depth analysis of the toxic air contaminants and the resulting health risks for all of Southern California. The *Multiple Air Toxics Exposure Study in the SCAB, MATES IV,*” which shows that cancer risk has decreased less than 50% since MATES III (2005) (32).

MATES-IV study represents the baseline health risk for a cumulative analysis. MATES-IV calculated cancer risks based on monitoring data collected at ten fixed sites within the SCAB. None of the fixed monitoring sites are within the local area of 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 1,062.55 in one million for the geographic grid containing the Project site. DPM is included in this cancer risk along with all other TAC sources. DPM accounts for 68% of the total risk shown in MATES-IV. Cumulative Project generated TACs are limited to DPM.

In January 2018, as part of the overall effort to reduce air toxics exposure in the SCAB, SCAQMD began conducting the MATES V Program. MATES V field measurements will be conducted over a one-year period at ten fixed sites (the same sites selected for MATES III and IV) to assess trends in air toxics levels. MATES V will also include measurements of ultrafine particles (UFP) and black carbon (BC) concentrations, which can be compared to the UFP levels measured in MATES IV

(33). The final report for the MATES V study is currently expected to be available in Fall 2019, however no definitive date has been provided.

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### 3 PROJECT AIR QUALITY IMPACT

#### 3.1 INTRODUCTION

The Project has been evaluated to determine if it will violate an air quality standard or contribute to an existing or projected air quality violation. Additionally, the Project has been evaluated to determine if it will result in a cumulatively considerable net increase of a criteria pollutant for which the SCAB is non-attainment under an applicable NAAQS and CAAQS. The significance of these potential impacts is described in the following section.

#### 3.2 STANDARDS OF SIGNIFICANCE

The criteria used to determine the significance of potential Project-related air quality impacts are taken from the Initial Study Checklist in Appendix G of the State CEQA Guidelines (14 CCR §§15000, et seq.) as implemented by the County. Based on these thresholds, a project would result in a significant impact related to air quality if it would (1):

- 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 non-attainment under an applicable federal or state 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.

The SCAQMD has developed regional significance thresholds for regulated pollutants, as summarized at Table 3-1 (34). The SCAQMD's CEQA Air Quality Significance Thresholds (April 2019) indicate that any projects in the SCAB with daily emissions that exceed any of the indicated thresholds should be considered as having an individually and cumulatively significant air quality impact.

**TABLE 3-1: MAXIMUM DAILY REGIONAL EMISSIONS THRESHOLDS**

Pollutant	Regional Thresholds	
	Construction	Operations
NO <sub>x</sub>	100 lbs/day	55 lbs/day
VOC	75 lbs/day	55 lbs/day
PM <sub>10</sub>	150 lbs/day	150 lbs/day
PM <sub>2.5</sub>	55 lbs/day	55 lbs/day
SO <sub>x</sub>	150 lbs/day	150 lbs/day
CO	550 lbs/day	550 lbs/day
Pb	3 lbs/day	3 lbs/day

lbs/day = Pounds Per Day

Source: Regional Thresholds presented in this table are based on the SCAQMD Air Quality Significance Thresholds, April 2019

### 3.3 CALIFORNIA EMISSIONS ESTIMATOR MODEL™ EMPLOYED TO ESTIMATE AQ EMISSIONS

Land uses such as the Project affect air quality through construction-source and operational-source emissions.

On October 17, 2017, the SCAQMD in conjunction with the California Air Pollution Control Officers Association (CAPCOA) and other California air districts, released the latest version of the California Emissions Estimator Model (CalEEMod) version 2016.3.2. The purpose of this model is to calculate construction-source and operational-source criteria pollutant (VOCs, NO<sub>x</sub>, SO<sub>x</sub>, CO, PM<sub>10</sub>, and PM<sub>2.5</sub>) and GHG emissions from direct and indirect sources; and quantify applicable air quality and GHG reductions achieved from MMs (35). Accordingly, the latest version of CalEEMod has been used for this Project to determine construction and operational air quality emissions. Output from the model runs for both construction and operational activity are provided in Appendices 3.1 through 3.3.

#### 3.3.1 EMFAC2017 EMISSION RATES

On August 19, 2019, the EPA approved the 2017 version of the EMISSIONS FACTOR model (EMFAC) web database for use in SIP and transportation conformity analyses. EMFAC2017 is a mathematical model that was developed to calculate emission rates, fuel consumption, VMT from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by the CARB to project changes in future emissions from on-road mobile sources (36). This AQIA utilizes summer, winter, and annual EMFAC2017 emission factors in order to derive vehicle emissions associated with Project operational activities, which vary by season.

Because the EMFAC2017 emission rates are associated with vehicle fuel types while CalEEMod vehicle emission factors are aggregated to include all fuel types for each individual vehicle class, the EMFAC2017 emission rates for different fuel types of a vehicle class are averaged by activity or by population and activity to derive CalEEMod emission factors. The equations applied to obtain CalEEMod vehicle emission factors for each emission type are detailed in CalEEMod User's Guide *Appendix A: Calculation Details for CalEEMod* (37).

#### 3.3.2 LAND USES MODELED IN CAL EEMOD

The Project is located on approximately 10.13 acres. As previously stated, the Project proposes to consist of 132,259 square feet (sf) of warehousing use (80% of the overall square footage) and 33,065 sf of high-cube cold storage warehouse (20% of the overall square footage), totaling 165,324 sf of industrial use within a single building, 66,235 sf of landscaped area, and 175 parking stalls (59 trailer parking stalls and 116 automobile parking spaces).

CalEEMod does not provide an extensive selection of land use subtype categories, land uses that most closely fit the Project will be utilized. For purposes of analysis, the following land uses were modeled (38):

- 132.259 thousand square feet (TSF) Unrefrigerated Warehouse – No Rail<sup>3</sup>

<sup>3</sup> As per the CalEEMod User's Guide, the Unrefrigerated Warehouse – No Rail land use is defined as a warehouse that does not have refrigeration and no rail spur.

- 33.065 TSF Refrigerated Warehouse – No Rail<sup>4</sup>
- 175 Space Parking Lot
- 66.235 TSF Other Non-Asphalt Surfaces<sup>5</sup>
- 139.847 TSF Other Asphalt Surfaces<sup>6</sup>

### 3.4 CONSTRUCTION EMISSIONS

#### 3.4.1 CONSTRUCTION ACTIVITIES

Construction activities associated with the Project will result in emissions of VOCs, NO<sub>x</sub>, SO<sub>x</sub>, CO, PM<sub>10</sub>, and PM<sub>2.5</sub>. Construction related emissions are expected from the following construction activities:

- Demolition
- Site Preparation
- Grading
- Building Construction
- Paving
- Architectural Coating

#### DEMOLITION

The Project site is currently developed with existing structures. Per information provided by the Project Applicant, the Project will require the demolition of 2,895 sf of buildings, 45,937 sf of site, and 151,300 sf of asphalt. As a conservative measure, it is assumed that up to 200,132 sf will be demolished.

#### GRADING ACTIVITIES

Dust is typically a major concern during grading activities. Because such emissions are not amenable to collection and discharge through a controlled source, they are called “fugitive emissions”. Fugitive dust emissions rates vary as a function of many parameters (soil silt, soil moisture, wind speed, area disturbed, number of vehicles, depth of disturbance or excavation, etc.). The CalEEMod model was utilized to calculate fugitive dust emissions resulting from this phase of activity. Development of the Project would generate approximately 37,661 cubic yards of cut and 62,738 cubic yards of fill; resulting in approximately 25,077 cubic yards of import. A 20-mile one-way trip length is assumed for hauling trips based on CalEEMod defaults.

<sup>4</sup> As per the CalEEMod User’s Guide, the Refrigerated Warehouse – No Rail land use is defined as a warehouse that has refrigeration and no rail spur.

<sup>5</sup> The User’s Guide defines Other Non-Asphalt Surfaces as non-asphalt areas. For purposes of analysis, this category is used to model the 66,235 sf of Landscaped areas.

<sup>6</sup> For purposes of analysis, the remaining 139,847 sf area of the Project site will be considered “Paved Area” and will be modeled as Other Asphalt Surfaces. These surfaces are defined as an asphalt area not used as a parking lot.

### CONSTRUCTION WORKER VEHICLE TRIPS

Construction emissions for construction worker vehicles traveling to and from the Project site, as well as vendor trips (construction materials delivered to the Project site) were estimated based on information from CalEEMod model defaults.

#### 3.4.2 CONSTRUCTION DURATION

Construction is expected to commence in May 2020 and will last through December 2020. The construction schedule utilized in the analysis, shown in Table 3-2, represents a “worst-case” analysis scenario should construction occur any time after the respective dates since emission factors for construction decrease as time passes and the analysis year increases due to emission regulations becoming more stringent.<sup>7</sup> The duration of construction activity and associated equipment represents a reasonable approximation of the expected construction fleet as required per *CEQA Guidelines*. The duration of construction activity was based on information provided by the Project Applicant and the 2020 opening year.

**TABLE 3-2: CONSTRUCTION DURATION**

Phase Name	Start Date	End Date	Days
Demolition	05/04/2020	07/24/2020	60
Site Preparation	07/25/2020	08/07/2020	10
Grading	08/08/2020	09/18/2020	30
Building Construction	09/19/2020	12/25/2020	70
Paving	11/28/2020	12/25/2020	20
Architectural Coating	11/28/2020	12/25/2020	20

Source: Construction activity based upon information provided by the Project Applicant and the 2020 opening year.

#### 3.4.3 CONSTRUCTION EQUIPMENT

Site specific construction fleet may vary due to specific project needs at the time of construction. The associated construction equipment was generally based on CalEEMod defaults. A detailed summary of construction equipment assumptions by phase is provided at Table 3-3.

<sup>7</sup> As shown in the CalEEMod User’s Guide Version 2016.3.2, Section 4.3 “OFFROAD Equipment” as the analysis year increases, emission factors for the same equipment pieces decrease due to the natural turnover of older equipment being replaced by newer less polluting equipment and new regulatory requirements.



**TABLE 3-3: CONSTRUCTION EQUIPMENT ASSUMPTIONS**

Activity	Equipment	Number	Hours Per Day
Demolition	Concrete/Industrial Saws	1	8
	Excavators	3	8
	Rubber Tired Dozers	2	8
Site Preparation	Rubber Tired Dozers	3	8
	Tractors/Loaders/Backhoes	4	8
Grading	Excavators	2	8
	Graders	1	8
	Rubber Tired Dozers	1	8
	Scrapers	2	8
	Tractors/Loaders/Backhoes	2	8
Building Construction	Cranes	1	8
	Forklifts	3	8
	Generator Sets	1	8
	Tractors/Loaders/Backhoes	3	8
	Welders	1	8
Paving	Pavers	2	8
	Paving Equipment	2	8
	Rollers	2	8
Architectural Coating	Air Compressors	1	8

Source: Construction equipment based on CalEEMod defaults.

#### 3.4.4 REGIONAL CONSTRUCTION EMISSIONS SUMMARY

CalEEMod calculates maximum daily emissions for summer and winter periods. The estimated maximum daily construction emissions without mitigation are summarized on Table 3-4. Detailed construction model outputs are presented in Appendix 3.1. Under the assumed scenarios, emissions resulting from the Project construction will not exceed criteria pollutant thresholds established by the SCAQMD for emissions of any criteria pollutant.

**TABLE 3-4 OVERALL CONSTRUCTION EMISSIONS SUMMARY**

Year	Emissions (lbs/day)					
	VOC	NO <sub>x</sub>	CO	SO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
Summer						
2020	48.23	76.01	47.20	0.15	10.07	6.02
Winter						
2020	48.24	76.15	45.54	0.14	10.07	6.02
<b>Maximum Daily Emissions</b>	<b>48.24</b>	<b>76.15</b>	<b>47.20</b>	<b>0.15</b>	<b>10.07</b>	<b>6.02</b>
SCAQMD Regional Threshold	75	100	550	150	150	55
<b>Threshold Exceeded?</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>

Source: CalEEMod construction-source emissions outputs are presented in Appendix 3.1.

### 3.5 OPERATIONAL EMISSIONS

Operational activities associated with the proposed Project will result in emissions of VOCs, NO<sub>x</sub>, SO<sub>x</sub>, CO, PM<sub>10</sub>, and PM<sub>2.5</sub>. Operational emissions would be expected from the following primary sources:

- Area Source Emissions
- Energy Source Emissions
- Mobile Source Emissions
- On-Site Equipment

#### 3.5.1 AREA SOURCE EMISSIONS

##### ARCHITECTURAL COATINGS

Over a period of time the building that is part of this Project will be subject to emissions resulting from the evaporation of solvents contained in paints, varnishes, primers, and other surface coatings as part of Project maintenance. The emissions associated with architectural coatings were calculated using CalEEMod.

##### CONSUMER PRODUCTS

Consumer products include, but are not limited to detergents, cleaning compounds, polishes, personal care products, and lawn and garden products. Many of these products contain organic compounds which when released in the atmosphere can react to form ozone and other photochemically reactive pollutants. The emissions associated with use of consumer products were calculated based on defaults provided within CalEEMod.

##### LANDSCAPE MAINTENANCE EQUIPMENT

Landscape maintenance equipment would generate emissions from fuel combustion and evaporation of unburned fuel. Equipment in this category would include lawnmowers,

shedders/grinders, blowers, trimmers, chain saws, and hedge trimmers used to maintain the landscaping of the Project. The emissions associated with landscape maintenance equipment were calculated based on assumptions provided in CalEEMod.

### **3.5.2 ENERGY SOURCE EMISSIONS**

#### **COMBUSTION EMISSIONS ASSOCIATED WITH NATURAL GAS AND ELECTRICITY**

Electricity and natural gas are used by almost every project. Criteria pollutant emissions are emitted through the generation of electricity and consumption of natural gas. However, because electrical generating facilities for the Project area are located either outside the region (state) or offset through the use of pollution credits (RECLAIM) for generation within the SCAB, criteria pollutant emissions from offsite generation of electricity is generally excluded from the evaluation of significance and only natural gas use is considered. The emissions associated with natural gas use were calculated using CalEEMod.

#### **TITLE 24 ENERGY EFFICIENCY STANDARDS**

California's Energy Efficiency Standards for Residential and Nonresidential Buildings 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. The 2019 version of Title 24 was adopted by the CEC and became effective on January 1, 2020. The CEC anticipates that nonresidential buildings (such as the proposed Project) will use approximately 30% less energy due to lighting upgrade requirements (18). The CalEEMod defaults for Title 24 – Electricity, Title 24 – Natural Gas, and Lighting Energy were reduced by 30% in order to reflect consistency with the 2019 Title 24 standards.

### **3.5.3 MOBILE SOURCE EMISSIONS**

Project mobile source air quality impacts are dependent on both overall daily vehicle trip generation and the effect of the Project on peak hour traffic volumes and traffic operations in the vicinity of the Project. The Project-related operational air quality impacts are derived primarily from vehicle trips generated by the Project. Trip characteristics available from the *Kaiser Commerce Center Warehouse Trip Generation Assessment* (referred to as TG) prepared by Urban Crossroads, Inc. were utilized in this analysis (39).

#### **3.5.3.1 Approach for Analysis of the Project**

Two Separate model runs were utilized for each phase in order to more accurately model emissions resulting from passenger car and truck operations.

##### **PASSENGER CARS**

The first run analyzed passenger car emissions, incorporated the CalEEMod default trip length of 16.6 miles for passenger cars and an assumption of 100% primary trips.

It is important to note that although the TG does not breakdown passenger cars by type, this analysis assumes that passenger cars include Light-Duty-Auto vehicles (LDA), Light-Duty-Trucks

(LDT1<sup>8</sup> & LDT2<sup>9</sup>), and Medium-Duty-Vehicles (MDV) vehicle types. In order to account for emissions generated by passenger cars, the fleet mix presented in Table 3-5 was utilized in this analysis.

**TABLE 3-5: PASSENGER CAR FLEET MIX**

Land Use	Vehicle Type	%
Warehouse/ High-Cube Cold Storage Warehouse	LDA	61.63
	LDT1	4.29
	LDT2	20.21
	MDV	13.87

Note: The Project-specific passenger car fleet mix used in this analysis is based on a proportional split utilizing the default CalEEMod percentages assigned to LDA, LDT1, LDT2, and MDV vehicles types.

## TRUCKS

The second run analyzed truck emissions, incorporated the SCAQMD recommended truck trip length of 40 miles<sup>10</sup> and an assumption of 100% primary trips.

In order to be consistent with the TG, trucks are broken down by truck type. The trucks are comprised of 2-axle/Light-Heavy-Duty Trucks (LHDT), 3-axle/Medium-Heavy-Duty Trucks (MHDT), and 4+-axle/Heavy-Heavy-Duty Trucks (HHDT). In order to account for emissions generated by trucks, the fleet mix presented in Table 3-6 was utilized in this analysis.

**TABLE 3-6: TRUCK FLEET MIX**

Land use	Vehicle Type	%
Warehouse	LHDT	16.67
	MHDT	20.69
	HHDT	62.64
High-Cube Cold Storage Warehouse	LHDT	36.36
	MHDT	9.09
	HHDT	54.55

Note: Project-specific truck fleet mix is based on the number of trips generated by each truck type (LHDT, MHDT, and HHDT) relative to the total number of truck trips.

<sup>8</sup> Vehicles under the LDT1 category have a gross vehicle weight rating (GVWR) of less than 6,000 lbs. and equivalent test weight (ETW) of less than or equal to 3,750 lbs.

<sup>9</sup> Vehicles under the LDT2 category have a GVWR of less than 6,000 lbs. and ETW between 3,751 lbs. and 5,750 lbs.

<sup>10</sup> The average trip length for heavy trucks were based on the SCAQMD documents for the implementation of the Facility-Based Mobile Source Measures (FBMSMs) adopted in the 2016 AQMP. SCAQMD's "Preliminary Warehouse Emission Calculations" cites 39.9-mile trip length for heavy-heavy trucks (41). As a conservative measure, a trip length of 40 miles has been utilized for all trucks for the purpose of this analysis.

### FUGITIVE DUST RELATED TO VEHICULAR TRAVEL

Vehicles traveling on paved roads would be a source of fugitive emissions due to the generation of road dust inclusive of break and tire wear particulates. The emissions estimates for travel on paved roads were calculated using the CalEEMod model.

#### 3.5.4 OPERATIONAL EMISSIONS SUMMARY

It is common for industrial warehouse buildings to require cargo handling equipment to move empty containers and empty chassis to and from the various pieces of cargo handling equipment that receive and distribute containers. The most common type of cargo handling equipment is the yard truck which is designed for moving cargo containers. Yard trucks are also known as yard goats, utility tractors (UTRs), hustlers, yard hostlers, and yard tractors. The cargo handling equipment is assumed to have a horsepower (hp) range of approximately 175 hp to 200 hp. Based on the latest available information from SCAQMD (40); for example, high-cube warehouse projects typically have 3.6 yard trucks per million square feet of building space. For this particular Project, based on the maximum square footage of warehouse building space permitted by the proposed Project, on-site modeled operational equipment includes one (1) 200 hp, diesel-powered yard tractors operating at 4 hours a day for 365 days of the year.

#### 3.5.5 REGIONAL OPERATIONAL EMISSIONS SUMMARY

Operational-source emissions are summarized on Table 3-7. Project operational-source emissions would not exceed the applicable SCAQMD thresholds for any criteria pollutant. Thus, a less than significant impact would occur for Project operational-source emissions and no mitigation is required.

**TABLE 3-7: MAXIMUM OPERATIONAL EMISSIONS SUMMARY (1 OF 2)**

Operational Activities – Summer Scenario	Emissions (lbs/day)					
	VOC	NO <sub>x</sub>	CO	SO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
Area Source	3.82	5.20E-04	0.06	0.00	2.00E-04	2.00E-04
Energy Source	0.06	0.50	0.42	3.01E-03	0.04	0.04
Mobile Source (Passenger Car)	0.79	0.73	11.40	0.03	2.94	0.79
Mobile Source (Truck)	0.73	20.69	5.15	0.07	2.82	1.02
On-Site Equipment Source	0.15	1.79	0.78	3.17E-03	0.06	0.05
<b>Total Maximum Daily Emissions</b>	<b>5.54</b>	<b>23.72</b>	<b>17.80</b>	<b>0.11</b>	<b>5.85</b>	<b>1.90</b>
SCAQMD Regional Threshold	55	55	550	150	150	55
<b>Threshold Exceeded?</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>

**TABLE 3-7: MAXIMUM OPERATIONAL EMISSIONS SUMMARY (2 OF 2)**

Operational Activities – Winter Scenario	Emissions (lbs/day)					
	VOC	NO <sub>x</sub>	CO	SO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
Area Source	3.82	5.20E-04	0.06	0.00	2.00E-04	2.00E-04
Energy Source	0.06	0.50	0.42	3.01E-03	0.04	0.04
Mobile Source (Passenger Car)	0.72	0.77	9.32	0.03	2.94	0.79
Mobile Source (Truck)	0.71	21.40	4.61	0.07	2.81	1.01
On-Site Equipment Source	0.15	1.79	0.78	3.17E-03	0.06	0.05
<b>Total Maximum Daily Emissions</b>	<b>5.45</b>	<b>24.46</b>	<b>15.19</b>	<b>0.10</b>	<b>5.85</b>	<b>1.90</b>
SCAQMD Regional Threshold	55	55	550	150	150	55
<b>Threshold Exceeded?</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>

Source: CalEEMod operational-source emissions outputs are presented in Appendices 3.2 and 3.3.

Note: Totals obtained from CalEEMod and may not total 100% due to rounding.

### 3.6 LOCALIZED SIGNIFICANCE

#### 3.6.1 BACKGROUND ON LOCALIZED SIGNIFICANCE THRESHOLD (LST) DEVELOPMENT

The analysis makes use of methodology included in the SCAQMD *Final Localized Significance Threshold Methodology* (LST Methodology) (41). The SCAQMD has established that impacts to air quality are significant if there is a potential to contribute or cause localized exceedances of the NAAQS and CAAQS. Collectively, these are referred to as Localized Significance Thresholds (LSTs).

The SCAQMD established LSTs in response to the SCAQMD Governing Board's Environmental Justice Initiative I-4<sup>11</sup>. LSTs represent the maximum emissions from a project that will not cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standard at the nearest residence or sensitive receptor. The SCAQMD states that lead agencies can use the LSTs as another indicator of significance in its air quality impact analyses.

LSTs were developed in response to environmental justice and health concerns raised by the public regarding exposure of individuals to criteria pollutants in local communities. To address the issue of localized significance, the SCAQMD adopted LSTs that show whether a project would cause or contribute to localized air quality impacts and thereby cause or contribute to potential localized adverse health effects. The analysis makes use of methodology included in the *LST Methodology* (42).

<sup>11</sup>The purpose of SCAQMD's Environmental Justice program is to ensure that everyone has the right to equal protection from air pollution and fair access to the decision-making process that works to improve the quality of air within their communities. Further, the SCAQMD defines Environmental Justice as "...equitable environmental policymaking and enforcement to protect the health of all residents, regardless of age, culture, ethnicity, gender, race, socioeconomic status, or geographic location, from the health effects of air pollution."

### 3.6.2 APPLICABILITY OF LSTs FOR THE PROJECT

For this Project, the appropriate SRA for the LST analysis is the SCAQMD San Bernardino Valley 1 (SRA 34). 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 less than or equal to 5 acres in size.

In order to determine the appropriate methodology for determining localized impacts that could occur as a result of Project-related construction, the following process is undertaken:

- CalEEMod is utilized to determine the maximum daily on-site emissions that will occur during construction activity.
- The SCAQMD's *Fact Sheet for Applying CalEEMod to Localized Significance Thresholds* and CalEEMod User's Guide *Appendix A: Calculation Details for CalEEMod* is used to determine the maximum site acreage that is actively disturbed based on the construction equipment fleet and equipment hours as estimated in CalEEMod (43) (37).
- If the total acreage disturbed is less than or equal to five acres per day, then the SCAQMD's screening look-up tables are utilized to determine if a Project has the potential to result in a significant impact. The look-up tables establish a maximum daily emissions threshold in lbs/day that can be compared to CalEEMod outputs.
- If the total acreage disturbed is greater than five acres per day, then LST impacts are appropriately evaluated through dispersion modeling.
- The LST methodology presents mass emission rates for each SRA, project sizes of 1, 2, and 5 acres, and nearest receptor distances of 25, 50, 100, 200, and 500 meters. For project sizes between the values given, or with receptors at distances between the given receptors, the methodology uses linear interpolation to determine the thresholds.

### 3.6.3 EMISSIONS CONSIDERED

SCAQMD's *LST Methodology* clearly states that "off-site mobile emissions from the Project should not be included in the emissions compared to LSTs (41)." Therefore, for purposes of the construction LST analysis, only emissions included in the CalEEMod "on-site" emissions outputs were considered.

### 3.6.4 MAXIMUM DAILY DISTURBED-ACREAGE

The "acres disturbed" for analytical purposes are based on specific equipment type for each subcategory of construction activity and the estimated maximum area a given piece of equipment can pass over in an 8-hour workday (as shown on Table 3-8). The equipment-specific grading rates are summarized in the SCAQMD's *Fact Sheet for Applying CalEEMod to Localized Significance Thresholds* and CalEEMod User's Guide *Appendix A: Calculation Details for CalEEMod* (43) (37). It should be noted that the disturbed area per day is representative of a piece of equipment making multiple passes over the same land area. In other words, one Rubber Tired Dozer can make multiple passes over the same land area totaling 0.5 acres in a given 8-hour day. Based on Table 3-8, the Project's construction activities could actively disturb approximately 1.0 acre per day during demolition, 1.5 acres per day during site preparation, and 3.0 acres per day during grading activities.

**TABLE 3-8: MAXIMUM DAILY DISTURBED-ACREAGE**

Construction Phase	Equipment Type	Equipment Quantity	Acres graded per 8-hour day	Operating Hours per Day	Acres graded per day
Demolition	Rubber Tired Dozers	2	0.5	8	1.0
Total acres disturbed per day during Demolition					1.0
Site Preparation	Rubber Tired Dozers	3	0.5	8	1.5
Total acres disturbed per day during Site Preparation					1.5
Grading	Graders	1	0.5	8	0.5
	Rubber Tired Dozers	1	0.5	8	0.5
	Scrapers	2	1	8	2.0
Total acres disturbed per day during Grading					3.0

Source: Maximum daily disturbed acreage based on equipment list presented in Appendix 3.1.

### 3.6.5 SENSITIVE RECEPTORS

As previously stated, LSTs represent the maximum emissions from a project that will not cause or contribute to an exceedance of the most stringent applicable NAAQS and CAAQS at the nearest residence or sensitive receptor. Receptor locations are off-site locations where individuals may be exposed to emissions from Project activities.

Some people are especially sensitive to air pollution and are given special consideration when evaluating air quality impacts from projects. These groups of people include children, the elderly, individuals with pre-existing respiratory or cardiovascular illness, and athletes and others who engage in frequent exercise. Structures that house these persons or places where they gather to exercise are defined as “sensitive receptors”. These structures typically include residences, hotels, hospitals, etc. as they are also known to be locations where an individual can remain for 24 hours. Consistent with the LST Methodology, the nearest land use where an individual could remain for 24 hours to the Project site (in this case the nearest residential land use) has been used to determine construction and operational air quality impacts for emissions of PM<sub>10</sub> and PM<sub>2.5</sub>, since PM<sub>10</sub> and PM<sub>2.5</sub> thresholds are based on a 24 hour averaging time.

Commercial and industrial facilities are not included in the definition of sensitive receptor because employees and patrons do not typically remain onsite for a full 24 hours but are typically onsite for eight hours or less. The LST Methodology explicitly states that “LSTs based on shorter averaging periods, such as the NO<sub>2</sub> and CO LSTs, could also be applied to receptors such as industrial or commercial facilities since it is reasonable to assume that a worker at these sites could be present for periods of one to eight hours (41).” For purposes of analysis, if an industrial/commercial use is located at a closer distance to the Project site than the nearest residential use, the nearest industrial/commercial use will be utilized to determine construction and operational LST air impacts for emissions of NO<sub>2</sub> and CO an individual could be present at these sites for periods of one to eight hours.



**PROJECT-RELATED SENSITIVE RECEPTORS**

Sensitive receptors in the Project study area include existing residential homes and industrial uses as described below and as shown on Exhibit 3-A.

- R1: Located approximately 36 feet east of the Project site, R1 represents Bredero Shaw Metal Fabrication facility.
- R2: Location R2 represents existing residential homes located roughly 2,439 feet southeast of the Project site, east of Calabash Avenue and north of Rosemary Drive.
- R3: Location R3 represents existing residential homes located southeast of the Project site at roughly 2,273 feet, east of Calabash Avenue and north of Iris Drive.
- R4: Location R4 represents the Walmart Distribution Center located approximately 131 feet west from the Project site.

This AQIA analyzes localized construction and operational emissions impacts at the nearest sensitive receptors. The nearest receptor where an individual can stay for a 24-hour period is represented by the single residential home located 2,273 feet/ 692 meters southeast of the Project site. As a conservative measure, and in order to use the look-up tables, a 500-meter distance will be used to evaluate construction and operational air quality impacts for emissions of PM<sub>10</sub> and PM<sub>2.5</sub>. For evaluation of localized NO<sub>2</sub> and CO impacts, the nearest receptor location where an individual can remain onsite for an 8-hour period is represented by the industrial use located adjacent to the eastern portion of the Project site at approximately 36 feet/ 10 meters. It should be noted that the *LST Methodology* explicitly states that “*It is possible that a project may have receptors closer than 25 meters. Projects with boundaries located closer than 25 meters to the nearest receptor should use the LSTs for receptors located at 25 meters (41).*” As such, the 25-meter distance will be used to evaluate construction and operational air quality impacts for emissions of NO<sub>2</sub> and CO.

EXHIBIT 3-A: SENSITIVE RECEPTOR LOCATIONS



LEGEND:

- Receptor Locations
- Distance from receptor to Project site boundary (in feet)

### 3.7 CONSTRUCTION-SOURCE EMISSIONS LST ANALYSIS

#### 3.7.1 LOCALIZED THRESHOLDS FOR CONSTRUCTION ACTIVITY

Since the total acreage disturbed is less than five acres per day for demolition, site preparation, and grading activities, the SCAQMD's screening look-up tables are utilized in determining impacts. It should be noted that since the look-up tables identifies thresholds at only 1 acre, 2 acres, and 5 acres, linear regression has been utilized to determine localized significance thresholds. Consistent with SCAQMD guidance, the thresholds presented in Table 3-9 were calculated by interpolating the threshold values for the Project's disturbed acreage.

**TABLE 3-9: MAXIMUM DAILY LOCALIZED EMISSIONS THRESHOLDS**

Pollutant	Construction Localized Thresholds
NO <sub>x</sub>	118 lbs/day (Demolition)
	144 lbs/day (Site Preparation)
	203 lbs/day (Grading)
CO	667 lbs/day (Demolition)
	820 lbs/day (Site Preparation)
	1,230 lbs/day (Grading)
PM <sub>10</sub>	196 lbs/day (Demolition)
	201 lbs/day (Site Preparation)
	213 lbs/day (Grading)
PM <sub>2.5</sub>	98 lbs/day (Demolition)
	101 lbs/day (Site Preparation)
	109 lbs/day (Grading)

Source: Localized Thresholds presented in this table are based on the SCAQMD Final Localized Significance Threshold Methodology, July 2008

#### 3.7.2 LOCALIZED CONSTRUCTION-SOURCE EMISSIONS

Table 3-10 identifies the localized impacts at the nearest receptor location in the vicinity of the Project. As previously stated, the nearest receptor utilized to evaluate localized construction emissions of NO<sub>2</sub> and CO, is an industrial facility located approximately 36 feet/10 meters east of the Project site. As previously discussed, a 25-meter distance will be used to evaluate construction and operational air quality impacts for emissions of NO<sub>2</sub> and CO. For evaluation of PM<sub>10</sub> and PM<sub>2.5</sub>, the nearest sensitive receptor is a residential home located 2,273 feet/ 692 meters southeast of the Project site. As previously discussed, a 500-meter distance will be used to evaluate construction and operational air quality impacts for emissions of PM<sub>10</sub> and PM<sub>2.5</sub>. Outputs from the model runs for construction LSTs are provided in Appendix 3.1. As shown, Project construction-source emissions would not exceed the numerical thresholds of significance

established by the SCAQMD for any criteria pollutant. Therefore, the Project will have a less than significant localized impact during construction activity.

**TABLE 3-10: LOCALIZED SIGNIFICANCE SUMMARY OF CONSTRUCTION (WITHOUT MITIGATION)**

On-Site Demolition Emissions	Emissions (lbs/day)			
	NO <sub>x</sub>	CO	PM <sub>10</sub>	PM <sub>2.5</sub>
Maximum Daily Emissions	33.20	21.75	2.94	1.74
SCAQMD Localized Threshold	118	667	196	98
Threshold Exceeded?	NO	NO	NO	NO
On-Site Site Preparation Emissions	Emissions (lbs/day)			
	NO <sub>x</sub>	CO	PM <sub>10</sub>	PM <sub>2.5</sub>
Maximum Daily Emissions	42.42	21.51	9.86	5.96
SCAQMD Localized Threshold	144	820	201	101
Threshold Exceeded?	NO	NO	NO	NO
On-Site Grading Emissions	Emissions (lbs/day)			
	NO <sub>x</sub>	CO	PM <sub>10</sub>	PM <sub>2.5</sub>
Maximum Daily Emissions	50.20	31.96	5.80	3.43
SCAQMD Localized Threshold	203	1230	213	109
Threshold Exceeded?	NO	NO	NO	NO

Source: CalEEMod localized construction-source emissions outputs are presented in Appendix 3.1.

### 3.8 LOCALIZED SIGNIFICANCE – LONG-TERM OPERATIONAL ACTIVITY

As previously stated, the Project is located on approximately 10.13 acres. As noted previously, the LST methodology provides look-up tables for sites with an area with daily disturbance of 5 acres or less. For projects that exceed 5 acres, the 5-acre LST look-up tables can be used as a screening tool to determine which pollutants require additional detailed analysis. This approach is conservative as it assumes that all on-site emissions associated with the project would occur within a concentrated 5-acre area. This screening method would therefore over-predict potential localized impacts, because by assuming that on-site operational activities are occurring over a smaller area, the resulting concentrations of air pollutants are more highly concentrated once they reach the smaller site boundary than they would be for activities if they were spread out over a larger surface area. On a larger site, the same amount of air pollutants generated would disperse over a larger surface area and would result in a lower concentration once emissions reach the project-site boundary. As such, LSTs for a 5-acre site during operations are used as a screening tool to determine if further detailed analysis is required.

Table 3-12 shows the calculated emissions for the Project's operational activities compared with the applicable LSTs. The LST analysis includes on-site sources only; however, CalEEMod outputs do not separate on-site and off-site emissions from mobile sources. In an effort to establish a

maximum potential impact scenario for analytic purposes, the emissions shown on Table 3-12 represent all on-site Project-related stationary (area) sources and five percent (5%) of the Project-related mobile sources. Considering that the trip length used in CalEEMod for the Project is approximately 16.6 miles for passenger cars and 40 miles for all trucks, 5% of this total would represent an on-site travel distance of approximately 0.83 miles/4,382.40 feet for passenger cars and 2 miles/10,560 feet for trucks. Thus the 5% assumption is conservative and would tend to overstate the actual impact. Modeling based on these assumptions demonstrates that even within broad encompassing parameters, Project operational-source emissions would not exceed applicable LSTs.

It should be noted that the longest on-site distance from the entry to the exit is 0.5 mile for both trucks and passenger cars. As such, the 5% assumption is conservative and would tend to overstate the actual impact because it is not likely that a passenger car would drive more than 0.83 miles on the site or that a truck would drive 2 miles on the site. Modeling based on these assumptions demonstrates that even within broad encompassing parameters, Project operational-source emissions would not exceed applicable LSTs.

### 3.8.1 LOCALIZED THRESHOLDS FOR OPERATIONAL ACTIVITY

As previously stated, LSTs for a 5-acre site during operations are used as a screening tool to determine if further detailed analysis is required. As such, the threshold values presented in Table 3-11, are from the look-up tables at 5 acres with a 25-meter receptor distance.

**TABLE 3-11: MAXIMUM DAILY LOCALIZED OPERATIONAL EMISSIONS THRESHOLDS**

Pollutant	Operational Localized Thresholds
NO <sub>x</sub>	270 lbs/day
CO	1,745 lbs/day
PM <sub>10</sub>	23 lbs/day
PM <sub>2.5</sub>	1,746 lbs/day

Source: Localized Thresholds presented in this table are based on the SCAQMD Final Localized Significance Threshold Methodology, July 2008

### 3.8.2 LOCALIZED OPERATIONAL-SOURCE EMISSIONS

As shown on Table 3-12 operational emissions will not exceed the LST thresholds for the nearest sensitive receptor. Therefore, the Project will have a less than significant localized impact during operational activity.

**TABLE 3-12: LOCALIZED SIGNIFICANCE SUMMARY OF OPERATIONS**

Operational Activity	Emissions (lbs/day)			
	NO <sub>x</sub>	CO	PM <sub>10</sub>	PM <sub>2.5</sub>
<b>Maximum Daily Emissions</b>	<b>3.40</b>	<b>2.09</b>	<b>0.38</b>	<b>0.18</b>
SCAQMD Localized Threshold	270	1,746	62	29
<b>Threshold Exceeded?</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>

Source: CalEEMod localized operational-source emissions outputs are presented in Appendices 3.2 and 3.3.

### 3.9 CO “HOT SPOT” ANALYSIS

As discussed below, the Project would not result in potentially adverse CO concentrations or “hot spots.” Further, detailed modeling of Project-specific CO “hot spots” is not needed to reach this conclusion.

An adverse CO concentration, known as a “hot spot”, would occur if an exceedance of the state one-hour standard of 20 ppm or the eight-hour standard of 9 ppm were to occur. At the time of the 1993 Handbook, the SCAB was designated nonattainment under the CAAQS and NAAQS for CO (44).

It has long been recognized that CO hotspots are caused by vehicular emissions, primarily when idling at congested intersections. In response, vehicle emissions standards have become increasingly stringent in the last twenty years. Currently, the allowable CO emissions standard in California is a maximum of 3.4 grams/mile for passenger cars (there are requirements for certain vehicles that are more stringent). With the turnover of older vehicles, introduction of cleaner fuels, and implementation of increasingly sophisticated and efficient emissions control technologies, CO concentration in the SCAB is now designated as attainment, as previously noted in Table 2-3.

To establish a more accurate record of baseline CO concentrations affecting the SCAB, a CO “hot spot” analysis was conducted in 2003 for four busy intersections in Los Angeles at the peak morning and afternoon time periods. This “hot spot” analysis did not predict any violation of CO standards, as shown on Table 3-13.

**TABLE 3-13: CO MODEL RESULTS**

Intersection Location	CO Concentrations (ppm)		
	Morning 1-hour	Afternoon 1-hour	8-hour
Wilshire Boulevard/Veteran Avenue	4.6	3.5	3.7
Sunset Boulevard/Highland Avenue	4	4.5	3.5
La Cienega Boulevard/Century Boulevard	3.7	3.1	5.2
Long Beach Boulevard/Imperial Highway	3	3.1	8.4

Source: 2003 AQMP, Appendix V: Modeling and Attainment Demonstrations

Notes: Federal 1-hour standard is 35 ppm and the deferral 8-hour standard is 9.0 ppm.

Based on the SCAQMD's 2003 AQMP and the 1992 Federal Attainment Plan for Carbon Monoxide (1992 CO Plan), peak carbon monoxide concentrations in the SCAB were a result of unusual meteorological and topographical conditions and not a result of traffic volumes and congestion at a particular intersection. As evidence of this, for example, 9.3 ppm 8-hr CO concentration measured at the Long Beach Blvd. and Imperial Hwy. intersection (highest CO generating intersection within the “hot spot” analysis), only 0.7 ppm was attributable to the traffic volumes and congestion at this intersection; the remaining 8.6 ppm were due to the ambient air measurements at the time the 2003 AQMP was prepared (45). In contrast, the ambient 8-hr CO concentration within the Project study area is estimated at 1.4 ppm—1.6 ppm (please refer to previous Table 2-4). Therefore, even if the traffic volumes for the Project were double or even triple of the traffic volumes generated at the Long Beach Blvd. and Imperial Hwy. intersection, coupled with the on-going improvements in ambient air quality, the Project would not be capable of resulting in a CO “hot spot” at any study area intersections.

Similar considerations are also employed by other Air Districts when evaluating potential CO concentration impacts. More specifically, the Bay Area Air Quality Management District (BAAQMD) concludes that under existing and future vehicle emission rates, a given project would have to increase traffic volumes at a single intersection by more than 44,000 vehicles per hour (vph)—or 24,000 vph where vertical and/or horizontal air does not mix—in order to generate a significant CO impact (46).

Traffic volumes generating the CO concentrations for the “hot spot” analysis is shown on Table 3-14. The busiest intersection evaluated was that at Wilshire Blvd. and Veteran Ave., which has a daily traffic volume of approximately 100,000 vehicles per day and AM/PM traffic volumes of 8,062 vph and 7,719 vph respectively (47). The 2003 AQMP estimated that the 1-hour concentration for this intersection was 4.6 ppm; this indicates that, should the daily traffic volume increase four times to 400,000 vehicles per day, CO concentrations (4.6 ppm x 4= 18.4 ppm) would still not likely exceed the most stringent 1-hour CO standard (20.0 ppm).<sup>12</sup> As shown in the *Kaiser Commerce Center Traffic Impact Analysis (TIA)* on Exhibit 6-2, *Opening Year Cumulative (2020) With Project Traffic Volumes (In PCE)* the highest average daily trips on a segment of road would be 23,100 daily trips on Private Driveway 1 and San Bernardino Avenue, which is lower than the highest daily traffic volumes at Wilshire Blvd<sup>13</sup> and Veteran Ave. of 100,000 vehicles per day (48). Additionally, the 2003 AQMP determined that the highest traffic volumes on a segment of road is 8,674 vph on La Cienega Boulevard and Century Boulevard. As shown in the TIA on Exhibit 6-2, *Opening Year Cumulative (2020) With Project Traffic Volumes (In PCE)* and summarized on Table 3-15 below, the intersection of Private Driveway 1 and San Bernardino Avenue would generate the highest hourly traffic volume of 1,864 vph.

<sup>12</sup> Based on the ratio of the CO standard (20.0 ppm) and the modeled value (4.6 ppm).

<sup>13</sup> The Opening Year Cumulative (2026) With Project Volumes were utilized in lieu of the Horizon Year (2040) With Project Traffic Volumes as a conservative measure since CO emissions are anticipated to decrease dramatically over time as the analysis year increases (as discussed above). The potential increase in volumes in 2040 versus 2026 would not be sufficient enough to result in any worse impacts than what would occur for 2026 conditions.

**TABLE 3-14: TRAFFIC VOLUMES**

Intersection Location	Peak Traffic Volumes (vph)				
	Eastbound (AM/PM)	Westbound (AM/PM)	Southbound (AM/PM)	Northbound (AM/PM)	Total (AM/PM)
Wilshire Boulevard/Veteran Avenue	4,954/2,069	1,830/3,317	721/1,400	560/933	8,062/7,719
Sunset Boulevard/Highland Avenue	1,417/1,764	1,342/1,540	2,304/1,832	1,551/2,238	6,614/5,374
La Cienega Boulevard/Century Boulevard	2,540/2,243	1,890/2,728	1,384/2,029	821/1,674	6,634/8,674
Long Beach Boulevard/Imperial Highway	1,217/2,020	1,760/1,400	479/944	756/1,150	4,212/5,514

Source: 2003 AQMP

**TABLE 3-15: OPENING YEAR CUMULATIVE (2020) WITH PROJECT TRAFFIC VOLUMES**

Intersection Location	Peak Traffic Volumes (vph)				
	Northbound (AM/PM)	Southbound (AM/PM)	Eastbound (AM/PM)	Westbound (AM/PM)	Total (AM/PM)
Private Dwy. 1/San Bernardino Av.	4/2	17/5	457/1,338	956/519	1,433/1,864
Prologis Dr./San Bernardino Av.	43/41	0/0	440/1,312	946/507	1,429/1,860
Prologis Dr./Private Dwy. 2	41/36	38/11	1/0	1/5	81/52
Private Dwy. 4/San Bernardino Av.	2/8	0/0	435/1,329	946/507	1,383/1,844

Av. = Avenue; Dr. = Drive; Dwy. = Driveway

Source: Kaiser Commerce Center Traffic Impact Analysis (Urban Crossroads, 2019).

As such, Project-related traffic volumes are less than the traffic volumes identified in the 2003 AQMP. The Project considered herein would not produce the volume of traffic required to generate a CO “hot spot” either in the context of the 2003 Los Angeles hot spot study or based on representative BAAQMD CO threshold considerations. Therefore, CO “hot spots” are not an environmental impact of concern for the Project. Localized air quality impacts related to mobile-source emissions would therefore be less than significant.

### 3.10 AIR QUALITY MANAGEMENT PLANNING

The Project site is located within the SCAB, which is characterized by relatively poor air quality. The SCAQMD has jurisdiction over an approximately 10,743 square-mile area consisting of the four-county Basin and the Los Angeles County and Riverside County portions of what use to be referred to as the Southeast Desert Air Basin. In these areas, the SCAQMD is principally responsible for air pollution control, and works directly with the SCAG, county transportation commissions, local governments, as well as state and federal agencies to reduce emissions from stationary, mobile, and indirect sources to meet state and federal ambient air quality standards.

Currently, these state and federal air quality standards are exceeded in most parts of the SCAB. In response, the SCAQMD has adopted a series of AQMPs to meet the state and federal ambient air quality standards. AQMPs are updated regularly in order to more effectively reduce emissions, accommodate growth, and to minimize any negative fiscal impacts of air pollution control on the economy.



In March 2017, the SCAQMD released the Final 2016 AQMP. The 2016 AQMP continues to evaluate current integrated strategies and control measures to meet the NAAQS, as well as, explore new and innovative methods to reach its goals. Some of these approaches include utilizing incentive programs, recognizing existing co-benefit programs from other sectors, and developing a strategy with fair-share reductions at the federal, state, and local levels (49). Similar to the 2012 AQMP, the 2016 AQMP incorporates scientific and technological information and planning assumptions, including the 2016 RTP/SCS, a planning document that supports the integration of land use and transportation to help the region meet the federal Clean Air Act requirements (50). The Project's consistency with the AQMP will be determined using the 2016 AQMP as discussed below.

Criteria for determining consistency with the AQMP are defined in Chapter 12, Section 12.2 and Section 12.3 of the SCAQMD's CEQA Air Quality Handbook (1993) (51). These indicators are discussed below:

### **3.10.1 CONSISTENCY CRITERION No. 1**

***The proposed 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.***

The violations that Consistency Criterion No. 1 refers to are the CAAQS and NAAQS. CAAQS and NAAQS violations would occur if regional or localized significance thresholds were exceeded.

#### ***Construction Impacts – Consistency Criterion 1***

Consistency Criterion No. 1 refers to violations of the CAAQS and NAAQS. CAAQS and NAAQS violations would occur if LSTs or regional significance thresholds were exceeded. As evaluated, the Project's regional and localized construction-source emissions would not exceed applicable regional significance threshold and LST thresholds. As such, a less than significant impact is expected.

#### ***Operational Impacts – Consistency Criterion 1***

Consistency Criterion No. 1 refers to violations of the CAAQS and NAAQS. CAAQS and NAAQS violations would occur if LSTs or regional significance thresholds were exceeded. As evaluated, the Project's regional and localized operational-source emissions would not exceed applicable regional significance threshold and LST thresholds. As such, a less than significant impact is expected.

On the basis of the preceding discussion, the Project is determined to be consistent with the first criterion.

### 3.10.2 CONSISTENCY CRITERION NO. 2

***The Project will not exceed the assumptions in the AQMP based on the years of Project build-out phase.***

The 2016 AQMP demonstrates that the applicable ambient air quality standards can be achieved within the timeframes required under federal law. Growth projections from local general plans adopted by cities in the district are provided to the SCAG, which develops regional growth forecasts, which are then used to develop future air quality forecasts for the AQMP. Development consistent with the growth projections in County of San Bernardino General Plan is considered to be consistent with the AQMP.

#### ***Construction Impacts – Consistency Criterion 2***

Peak day emissions generated by construction activities are largely independent of land use assignments, but rather are a function of development scope and maximum area of disturbance. Irrespective of the site's land use designation, development of the site to its maximum potential would likely occur, with disturbance of the entire site occurring during construction activities.

#### ***Operational Impacts – Consistency Criterion 2***

The Project is located within the County of San Bernardino Fontana Valley Region and is designated for Regional Industrial (IR) uses. The IR land use zoning district provides sites for heavy industrial uses that have the potential to generate severe negative impacts, incidental commercial uses, agricultural support services, salvage operations, and similar and compatible uses (52). As previously stated, the proposed Project is to consist of single building of 165,324 sf of warehouse use, which is consistent with the County's designation and intensity. Additionally, the Project's construction and operational-source air pollutant emissions would not exceed the regional or localized significance thresholds.

On the basis of the preceding discussion, the Project is determined to be consistent with the second criterion.

#### **AQMP CONSISTENCY CONCLUSION**

The Project would not result in or cause NAAQS or CAAQS violations. The proposed Project is consistent with the land use and growth intensities reflected in the adopted General Plan. Furthermore, the Project would not exceed any applicable regional or local thresholds. As such, the Project is therefore considered to be consistent with the AQMP and a less than significant impact is expected.

### 3.11 POTENTIAL IMPACTS TO SENSITIVE RECEPTORS

The potential impact of Project-generated air pollutant emissions at sensitive receptors has also been considered. Sensitive receptors can include uses such as long-term health care facilities, rehabilitation centers, and retirement homes. Residences, schools, playgrounds, childcare centers, and athletic facilities can also be considered as sensitive receptors.

Results of the LST analysis indicate that, the Project would not exceed the SCAQMD localized significance thresholds during construction. Therefore, sensitive receptors would not be exposed to substantial pollutant concentrations during Project construction.

Results of the LST analysis indicate that the Project would not exceed the SCAQMD localized significance thresholds during operational activity. Further Project traffic would not create or result in a CO “hotspot.” Therefore, sensitive receptors would not be exposed to substantial pollutant concentrations as the result of Project operations.

### 3.12 ODORS

The potential for the Project to generate objectionable odors has also been considered. Land uses generally associated with odor complaints include:

- Agricultural uses (livestock and farming)
- Wastewater treatment plants
- Food processing plants
- Chemical plants
- Composting operations
- Refineries
- Landfills
- Dairies
- Fiberglass molding facilities

The Project does not contain land uses typically associated with emitting objectionable odors. Potential odor sources associated with the proposed Project may result from construction equipment exhaust and the application of asphalt and architectural coatings during construction activities and the temporary storage of typical solid waste (refuse) associated with the proposed Project’s (long-term operational) uses. Standard construction requirements would minimize odor impacts from construction. The construction odor emissions would be temporary, short-term, and intermittent in nature and would cease upon completion of the respective phase of construction and is thus considered less than significant. It is expected that Project-generated refuse would be stored in covered containers and removed at regular intervals in compliance with the County’s solid waste regulations. The proposed Project would also be required to comply with SCAQMD Rule 402 to prevent occurrences of public nuisances. Therefore, odors associated with the proposed Project construction and operations would be less than significant and no mitigation is required (53).

### 3.13 CUMULATIVE IMPACTS

As previously shown in Table 2-3, the CAAQS designate the Project site as nonattainment for O<sub>3</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub> while the NAAQS designates the Project site as nonattainment for O<sub>3</sub> and PM<sub>2.5</sub>.

The SCAQMD has published a report on how to address cumulative impacts from air pollution: *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution* (54). In this report the AQMD clearly states (Page D-3):

*...the [SC]AQMD uses the same significance thresholds for project specific and cumulative impacts for all environmental topics analyzed in an Environmental Assessment or EIR. The only case where the significance thresholds for project specific and cumulative impacts differ is the Hazard Index (HI) significance threshold for toxic air contaminant (TAC) emissions. The project specific (project increment) significance threshold is  $HI > 1.0$  while the cumulative (facility-wide) is  $HI > 3.0$ . It should be noted that the HI is only one of three TAC emission significance thresholds considered (when applicable) in a CEQA analysis. The other two are the maximum individual cancer risk (MICR) and the cancer burden, both of which use the same significance thresholds (MICR of 10 in 1 million and cancer burden of 0.5) for project specific and cumulative impacts.*

*Projects that exceed the project-specific significance thresholds are considered by the SCAQMD to be cumulatively considerable. This is the reason project-specific and cumulative significance thresholds are the same. Conversely, projects that do not exceed the project-specific thresholds are generally not considered to be cumulatively significant.*

Therefore, this analysis assumes that individual projects that do not generate operational or construction emissions that exceed the SCAQMD's recommended daily thresholds for project-specific impacts would also not cause a cumulatively considerable increase in emissions for those pollutants for which the Basin is in nonattainment, and, therefore, would not be considered to have a significant, adverse air quality impact. Alternatively, individual project-related construction and operational emissions that exceed SCAQMD thresholds for project-specific impacts would be considered cumulatively considerable.

#### **CONSTRUCTION IMPACTS**

Project construction-source air pollutant emissions would not exceed the SCAQMD regional thresholds for any criteria pollutant. Project construction-source emissions would be considered less than significant on a project-specific and cumulative basis.

#### **OPERATIONAL IMPACTS**

Project operational-source air pollutant emissions would not exceed the SCAQMD regional thresholds for any criteria pollutant. Project operational-source emissions would be considered less than significant on a project-specific and cumulative basis.

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## 5 CERTIFICATIONS

The contents of this air study report represent an accurate depiction of the environmental impacts associated with the proposed Kaiser Commerce Center Project. The information contained in this air quality impact report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at (949) 336-5987.

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AEP – Association of Environmental Planners  
AWMA – Air and Waste Management Association  
ASTM – American Society for Testing and Materials

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Planned Communities and Urban Infill – Urban Land Institute • June 2011  
Indoor Air Quality and Industrial Hygiene – EMSL Analytical • April 2008  
Principles of Ambient Air Monitoring – California Air Resources Board • August 2007  
AB2588 Regulatory Standards – Trinity Consultants • November 2006  
Air Dispersion Modeling – Lakes Environmental • June 2006

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**APPENDIX 2.1:**

**STATE/FEDERAL ATTAINMENT STATUS OF CRITERIA POLLUTANTS**

**APPENDIX C**

***MAPS AND TABLES OF AREA DESIGNATIONS FOR  
STATE AND NATIONAL AMBIENT AIR QUALITY STANDARDS***

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## **APPENDIX C**

### **MAPS AND TABLES OF AREA DESIGNATIONS FOR STATE AND NATIONAL AMBIENT AIR QUALITY STANDARDS**

This attachment fulfills the requirement of Health and Safety Code section 40718 for CARB to publish maps that identify areas where one or more violations of any State ambient air quality standard (State standard) or national ambient air quality standard (national standard) have been measured. The national standards are those promulgated under section 109 of the federal Clean Air Act (42 U.S.C. 7409).

This attachment is divided into three parts. The first part comprises a table showing the levels, averaging times, and measurement methods for each of the State and national standards. This is followed by a section containing maps and tables showing the area designations for each pollutant for which there is a State standard in the California Code of Regulations, title 17, section 70200. The last section contains maps and tables showing the most current area designations for the national standards.

# Ambient Air Quality Standards

(Updated 5/4/16)

Pollutant	Averaging Time	California Standards <sup>1</sup>		National Standards <sup>2</sup>		
		Concentration <sup>3</sup>	Method <sup>4</sup>	Primary <sup>3,5</sup>	Secondary <sup>3,6</sup>	Method <sup>7</sup>
Ozone (O <sub>3</sub> ) <sup>8</sup>	1 Hour	0.09 ppm (180 µg/m <sup>3</sup> )	Ultraviolet Photometry	—	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.070 ppm (137 µg/m <sup>3</sup> )		0.070 ppm (137 µg/m <sup>3</sup> )		
Respirable Particulate Matter (PM <sub>10</sub> ) <sup>9</sup>	24 Hour	50 µg/m <sup>3</sup>	Gravimetric or Beta Attenuation	150 µg/m <sup>3</sup>	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m <sup>3</sup>		—		
Fine Particulate Matter (PM <sub>2.5</sub> ) <sup>9</sup>	24 Hour	—	—	35 µg/m <sup>3</sup>	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m <sup>3</sup>	Gravimetric or Beta Attenuation	12.0 µg/m <sup>3</sup>	15 µg/m <sup>3</sup>	
Carbon Monoxide (CO)	1 Hour	20 ppm (23 mg/m <sup>3</sup> )	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 mg/m <sup>3</sup> )	—	Non-Dispersive Infrared Photometry (NDIR)
	8 Hour	9.0 ppm (10 mg/m <sup>3</sup> )		9 ppm (10 mg/m <sup>3</sup> )	—	
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m <sup>3</sup> )		—	—	
Nitrogen Dioxide (NO <sub>2</sub> ) <sup>10</sup>	1 Hour	0.18 ppm (339 µg/m <sup>3</sup> )	Gas Phase Chemiluminescence	100 ppb (188 µg/m <sup>3</sup> )	—	Gas Phase Chemiluminescence
	Annual Arithmetic Mean	0.030 ppm (57 µg/m <sup>3</sup> )		0.053 ppm (100 µg/m <sup>3</sup> )	Same as Primary Standard	
Sulfur Dioxide (SO <sub>2</sub> ) <sup>11</sup>	1 Hour	0.25 ppm (655 µg/m <sup>3</sup> )	Ultraviolet Fluorescence	75 ppb (196 µg/m <sup>3</sup> )	—	Ultraviolet Fluorescence; Spectrophotometry (Pararosaniline Method)
	3 Hour	—		—	0.5 ppm (1300 µg/m <sup>3</sup> )	
	24 Hour	0.04 ppm (105 µg/m <sup>3</sup> )		0.14 ppm (for certain areas) <sup>11</sup>	—	
	Annual Arithmetic Mean	—		0.030 ppm (for certain areas) <sup>11</sup>	—	
Lead <sup>12,13</sup>	30 Day Average	1.5 µg/m <sup>3</sup>	Atomic Absorption	—	—	High Volume Sampler and Atomic Absorption
	Calendar Quarter	—		1.5 µg/m <sup>3</sup> (for certain areas) <sup>12</sup>	Same as Primary Standard	
	Rolling 3-Month Average	—		0.15 µg/m <sup>3</sup>		
Visibility Reducing Particles <sup>14</sup>	8 Hour	See footnote 14	Beta Attenuation and Transmittance through Filter Tape	<b>No National Standards</b>		
Sulfates	24 Hour	25 µg/m <sup>3</sup>	Ion Chromatography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m <sup>3</sup> )	Ultraviolet Fluorescence			
Vinyl Chloride <sup>12</sup>	24 Hour	0.01 ppm (26 µg/m <sup>3</sup> )	Gas Chromatography			

See footnotes on next page ...



1. California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1- and 24-hour), nitrogen dioxide, and particulate matter (PM10, PM2.5, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
2. National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM10, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above  $150 \mu\text{g}/\text{m}^3$  is equal to or less than one. For PM2.5, the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.
3. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of  $25^\circ\text{C}$  and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of  $25^\circ\text{C}$  and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.
4. Any equivalent measurement method which can be shown to the satisfaction of the CARB to give equivalent results at or near the level of the air quality standard may be used.
5. National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.
6. National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.
7. Reference method as described by the U.S. EPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the U.S. EPA.
8. On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.
9. On December 14, 2012, the national annual PM2.5 primary standard was lowered from  $15 \mu\text{g}/\text{m}^3$  to  $12.0 \mu\text{g}/\text{m}^3$ . The existing national 24-hour PM2.5 standards (primary and secondary) were retained at  $35 \mu\text{g}/\text{m}^3$ , as was the annual secondary standard of  $15 \mu\text{g}/\text{m}^3$ . The existing 24-hour PM10 standards (primary and secondary) of  $150 \mu\text{g}/\text{m}^3$  also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.
10. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.
11. On June 2, 2010, a new 1-hour SO<sub>2</sub> standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO<sub>2</sub> national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.  
  
Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.
12. The CARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.
13. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard ( $1.5 \mu\text{g}/\text{m}^3$  as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.
14. In 1989, the CARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

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### ***Area Designations for the State Ambient Air Quality Standards***

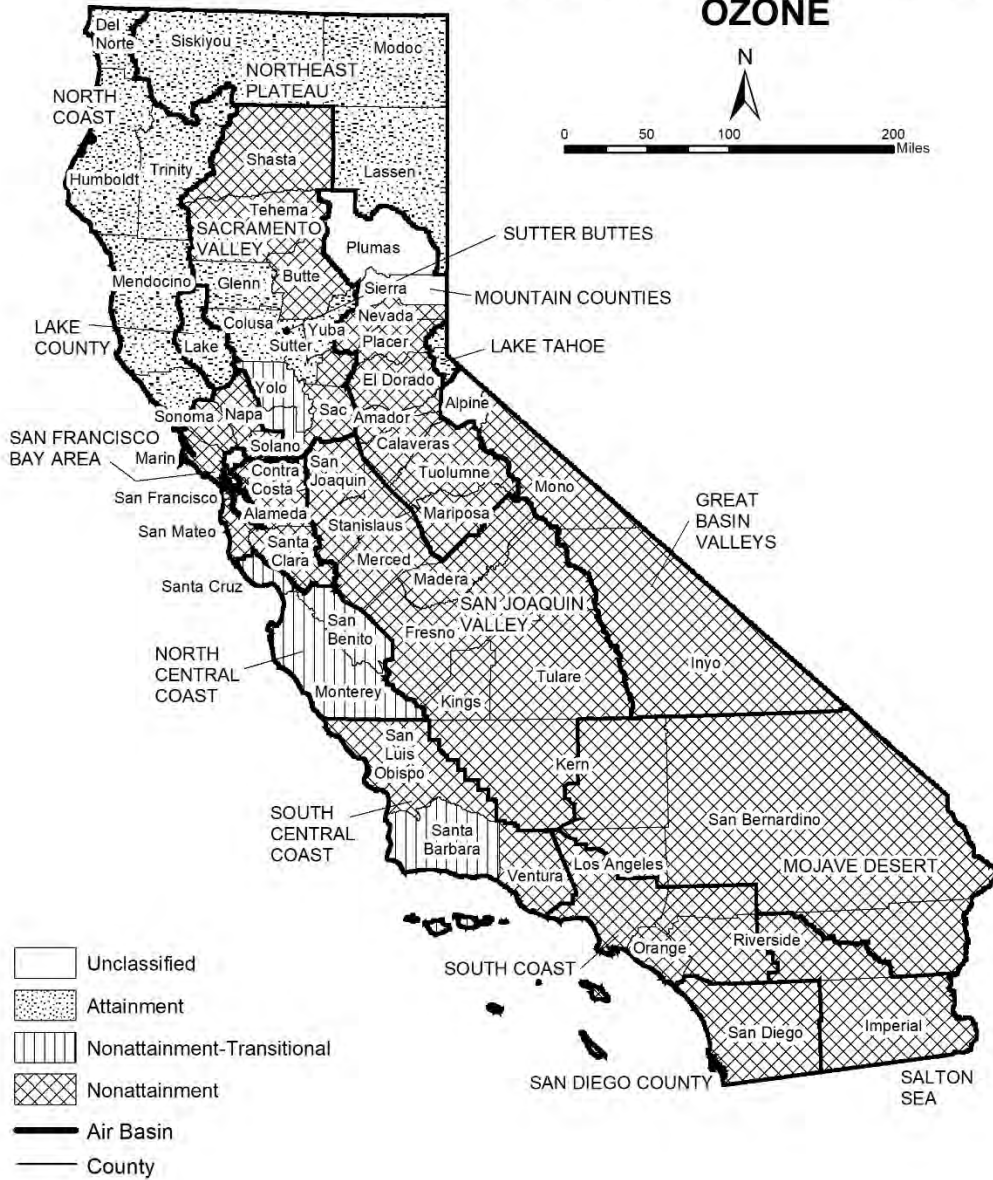
The following maps and tables show the area designations for each pollutant with a State standard set forth in the California Code of Regulations, title 17, section 60200. Each area is identified as attainment, nonattainment, nonattainment-transitional, or unclassified for each pollutant, as shown below:

Attainment	A
Nonattainment	N
Nonattainment-Transitional	NA-T
Unclassified	U

In general, CARB designates areas by air basin for pollutants with a regional impact and by county for pollutants with a more local impact. However, when there are areas within an air basin or county with distinctly different air quality deriving from sources and conditions not affecting the entire air basin or county, CARB may designate a smaller area. Generally, when boundaries of the designated area differ from the air basin or county boundaries, the description of the specific area is referenced at the bottom of the summary table.

**FIGURE 1**

**2018  
Area Designations for State  
Ambient Air Quality Standards  
OZONE**



**TABLE 1**

**California Ambient Air Quality Standards  
Area Designations for Ozone <sup>(1)</sup>**

	N	NA-T	U	A		N	NA-T	U	A
GREAT BASIN VALLEYS AIR BASIN					NORTHEAST PLATEAU AIR BASIN				X
Alpine County			X		SACRAMENTO VALLEY AIR BASIN				
Inyo County	X				Colusa and Glenn Counties				X
Mono County	X				Sutter/Yuba Counties				
LAKE COUNTY AIR BASIN				X	Sutter Buttes	X			
LAKE TAHOE AIR BASIN				X	Remainder of Sutter County				X
MOJAVE DESERT AIR BASIN	X				Yuba County				X
MOUNTAIN COUNTIES AIR BASIN					Yolo/Solano Counties		X		
Amador County	X				Remainder of Air Basin	X			
Calaveras County	X				SALTON SEA AIR BASIN	X			
El Dorado County (portion)	X				SAN DIEGO AIR BASIN	X			
Mariposa County	X				SAN FRANCISCO BAY AREA AIR BASIN	X			
Nevada County	X				SAN JOAQUIN VALLEY AIR BASIN	X			
Placer County (portion)	X				SOUTH CENTRAL COAST AIR BASIN				
Plumas County			X		San Luis Obispo County	X			
Sierra County			X		Santa Barbara County		X		
Tuolumne County	X				Ventura County	X			
NORTH CENTRAL COAST AIR BASIN		X			SOUTH COAST AIR BASIN	X			
NORTH COAST AIR BASIN				X					

(1) AB 3048 (Olberg) and AB 2525 (Miller) signed into law in 1996, made changes to Health and Safety Code, section 40925.5. One of the changes allows nonattainment districts to become nonattainment-transitional for ozone by operation of law.



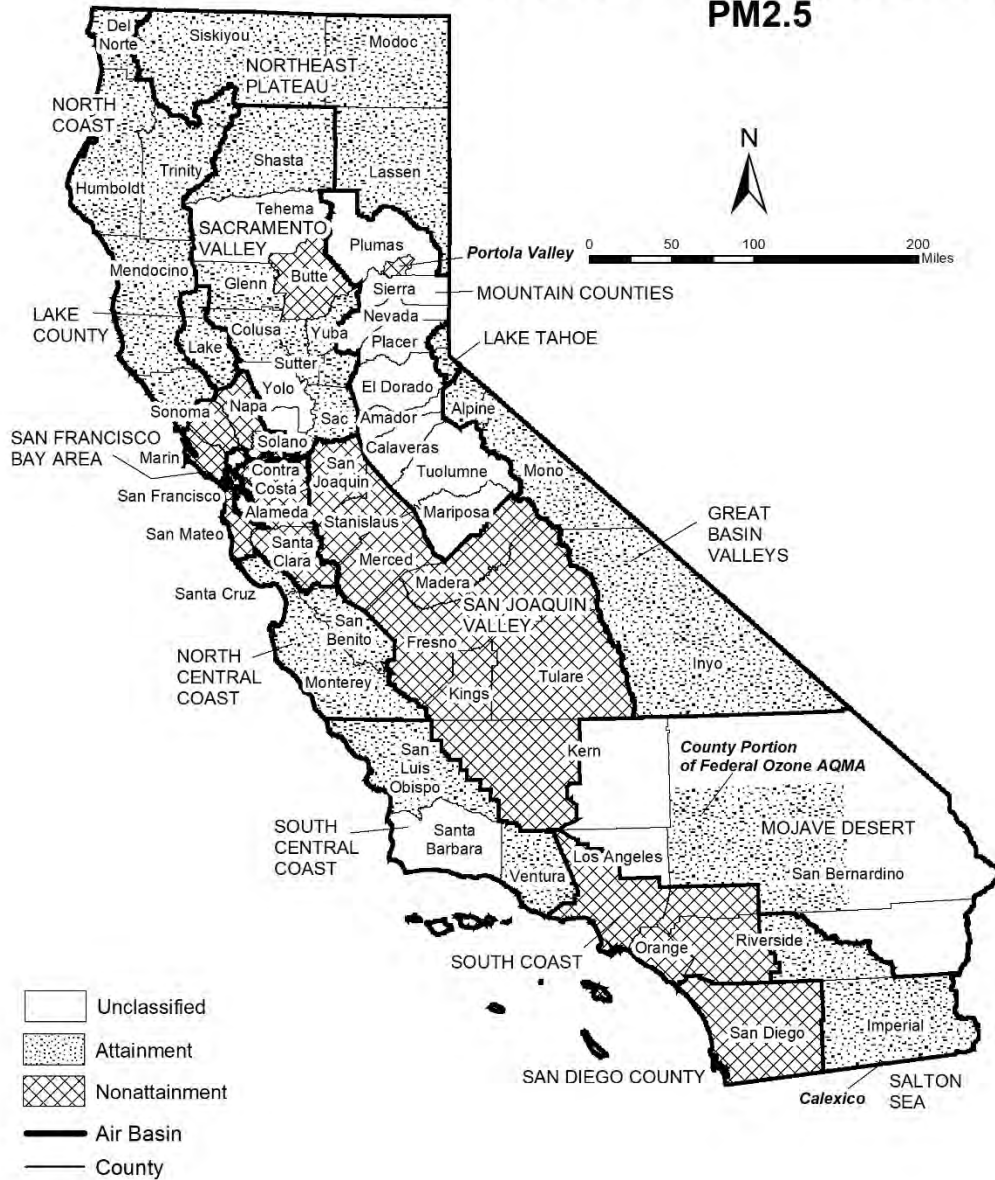
**TABLE 2**

**California Ambient Air Quality Standards  
Area Designation for Suspended Particulate Matter (PM10)**

	N	U	A		N	U	A
GREAT BASIN VALLEYS AIR BASIN	X			NORTH CENTRAL COAST AIR BASIN	X		
LAKE COUNTY AIR BASIN			X	NORTH COAST AIR BASIN			
LAKE TAHOE AIR BASIN	X			Del Norte, Sonoma (portion) and Trinity Counties			X
MOJAVE DESERT AIR BASIN	X			Remainder of Air Basin	X		
MOUNTAIN COUNTIES AIR BASIN				NORTHEAST PLATEAU AIR BASIN			
Amador County		X		Siskiyou County			X
Calaveras County	X			Remainder of Air Basin		X	
El Dorado County (portion)	X			SACRAMENTO VALLEY AIR BASIN			
Mariposa County				Shasta County			X
- Yosemite National Park	X			Remainder of Air Basin	X		
- Remainder of County		X		SALTON SEA AIR BASIN	X		
Nevada County	X			SAN DIEGO AIR BASIN	X		
Placer County (portion)	X			SAN FRANCISCO BAY AREA AIR BASIN	X		
Plumas County	X			SAN JOAQUIN VALLEY AIR BASIN	X		
Sierra County	X			SOUTH CENTRAL COAST AIR BASIN	X		
Tuolumne County		X		SOUTH COAST AIR BASIN	X		

FIGURE 3

2018  
Area Designations for State  
Ambient Air Quality Standards  
PM<sub>2.5</sub>





**TABLE 3**

**California Ambient Air Quality Standards  
Area Designations for Fine Particulate Matter (PM2.5)**

	N	U	A		N	U	A
GREAT BASIN VALLEYS AIR BASIN			X	SALTON SEA AIR BASIN			
LAKE COUNTY AIR BASIN			X	Imperial County			
LAKE TAHOE AIR BASIN			X	- City of Calexico (3)	X		
MOJAVE DESERT AIR BASIN				Remainder of Air Basin			X
San Bernardino County				SAN DIEGO AIR BASIN	X		
- County portion of federal Southeast Desert Modified AQMA for Ozone (1)			X	SAN FRANCISCO BAY AREA AIR BASIN	X		
				SAN JOAQUIN VALLEY AIR BASIN	X		
Remainder of Air Basin		X		SOUTH CENTRAL COAST AIR BASIN			
MOUNTAIN COUNTIES AIR BASIN				San Luis Obispo County			X
Plumas County				Santa Barbara County		X	
- Portola Valley (2)	X			Ventura County			X
Remainder of Air Basin		X		SOUTH COAST AIR BASIN	X		
NORTH CENTRAL COAST AIR BASIN			X				
NORTH COAST AIR BASIN			X				
NORTHEAST PLATEAU AIR BASIN			X				
SACRAMENTO VALLEY AIR BASIN							
Butte County	X						
Colusa County			X				
Glenn County			X				
Placer County (portion)			X				
Sacramento County			X				
Shasta County			X				
Sutter and Yuba Counties			X				
Remainder of Air Basin		X					

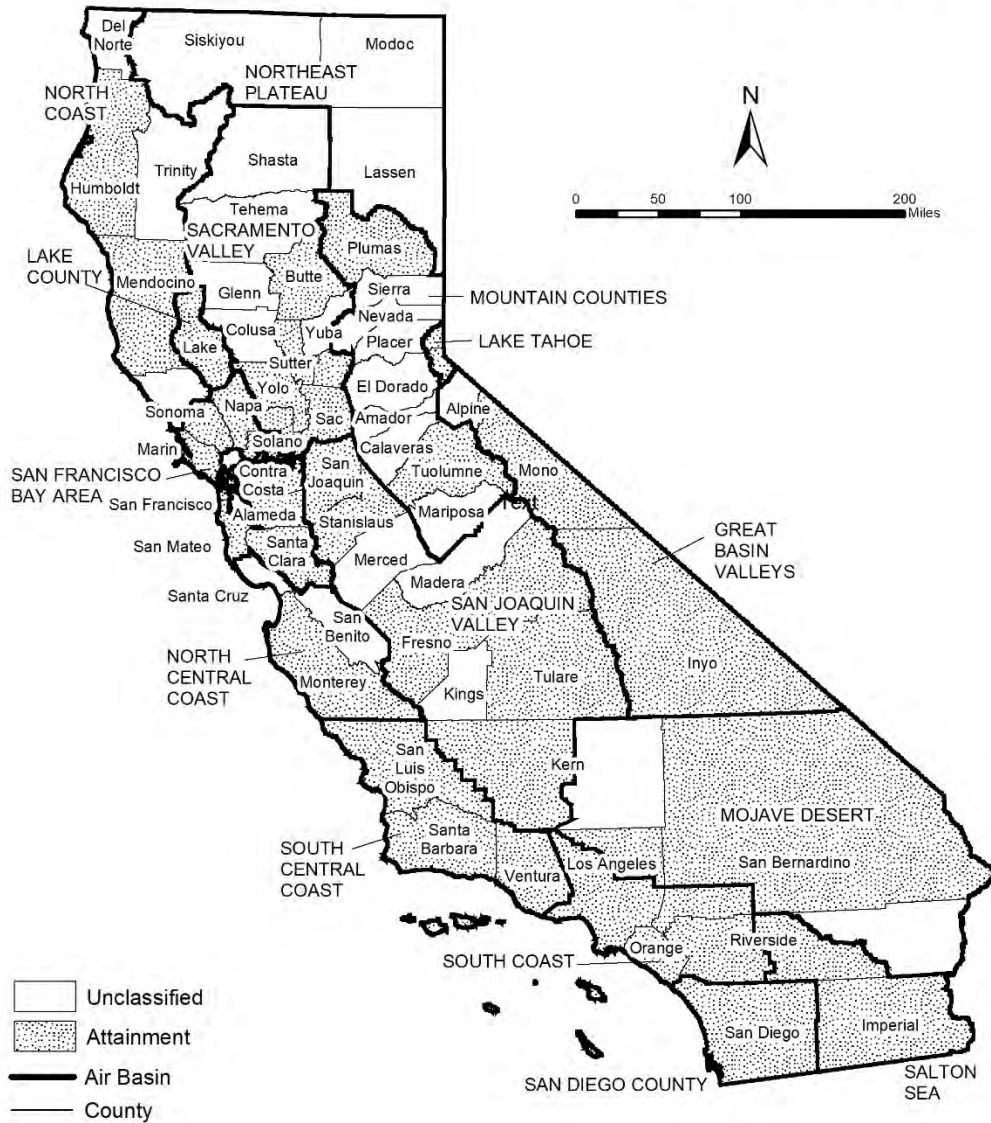
(1) California Code of Regulations, title 17, section 60200(b)

(2) California Code of Regulations, title 17, section 60200(c)

(3) California Code of Regulations, title 17, section 60200(a)

FIGURE 4

2018  
Area Designations for State  
Ambient Air Quality Standards  
CARBON MONOXIDE



Source Date:  
October 2018  
Air Quality Planning and Science Division

**TABLE 4**

**California Ambient Air Quality Standards  
Area Designation for Carbon Monoxide\***

	N	NA-T	U	A		N	NA-T	U	A
GREAT BASIN VALLEYS AIR BASIN					SACRAMENTO VALLEY AIR BASIN				
Alpine County			X		Butte County				X
Inyo County				X	Colusa County			X	
Mono County				X	Glenn County			X	
LAKE COUNTY AIR BASIN				X	Placer County (portion)				X
LAKE TAHOE AIR BASIN				X	Sacramento County				X
MOJAVE DESERT AIR BASIN					Shasta County			X	
Kern County (portion)			X		Solano County (portion)				X
Los Angeles County (portion)				X	Sutter County				X
Riverside County (portion)			X		Tehama County			X	
San Bernardino County (portion)				X	Yolo County				X
MOUNTAIN COUNTIES AIR BASIN					Yuba County			X	
Amador County			X		SALTON SEA AIR BASIN				X
Calaveras County			X		SAN DIEGO AIR BASIN				X
El Dorado County (portion)			X		SAN FRANCISCO BAY AREA AIR BASIN				X
Mariposa County			X		SAN JOAQUIN VALLEY AIR BASIN				
Nevada County			X		Fresno County				X
Placer County (portion)			X		Kern County (portion)				X
Plumas County				X	Kings County			X	
Sierra County			X		Madera County			X	
Tuolumne County				X	Merced County			X	
NORTH CENTRAL COAST AIR BASIN					San Joaquin County				X
Monterey County				X	Stanislaus County				X
San Benito County			X		Tulare County				X
Santa Cruz County			X		SOUTH CENTRAL COAST AIR BASIN				X
NORTH COAST AIR BASIN					SOUTH COAST AIR BASIN				X
Del Norte County			X						
Humboldt County				X					
Mendocino County				X					
Sonoma County (portion)			X						
Trinity County			X						
NORTHEAST PLATEAU AIR BASIN			X						

\* The area designated for carbon monoxide is a county or portion of a county



**TABLE 5**

**California Ambient Air Quality Standards  
Area Designation for Nitrogen Dioxide**

	<b>N</b>	<b>U</b>	<b>A</b>		<b>N</b>	<b>U</b>	<b>A</b>
GREAT BASIN VALLEYS AIR BASIN			X	SACRAMENTO VALLEY AIR BASIN			X
LAKE COUNTY AIR BASIN			X	SALTON SEA AIR BASIN			X
LAKE TAHOE AIR BASIN			X	SAN DIEGO AIR BASIN			X
MOJAVE DESERT AIR BASIN			X	SAN FRANCISCO BAY AREA AIR BASIN			X
MOUNTAIN COUNTIES AIR BASIN			X	SAN JOAQUIN VALLEY AIR BASIN			X
NORTH CENTRAL COAST AIR BASIN			X	SOUTH CENTRAL COAST AIR BASIN			X
NORTH COAST AIR BASIN			X	SOUTH COAST AIR BASIN			
NORTHEAST PLATEAU AIR BASIN			X	CA 60 Near-road Portion of San Bernardino, Riverside, and Los Angeles Counties	X		
				Remainder of Air Basin			X

FIGURE 6

2018  
Area Designations for State  
Ambient Air Quality Standards  
SULFUR DIOXIDE



**TABLE 6**

**California Ambient Air Quality Standards  
Area Designation for Sulfur Dioxide\***

	<b>N</b>	<b>U/A</b>		<b>N</b>	<b>U/A</b>
GREAT BASIN VALLEYS AIR BASIN		X	SACRAMENTO VALLEY AIR BASIN		X
LAKE COUNTY AIR BASIN		X	SALTON SEA AIR BASIN		X
LAKE TAHOE AIR BASIN		X	SAN DIEGO AIR BASIN		X
MOJAVE DESERT AIR BASIN		X	SAN FRANCISCO BAY AREA AIR BASIN		X
MOUNTAIN COUNTIES AIR BASIN		X	SAN JOAQUIN VALLEY AIR BASIN		X
NORTH CENTRAL COAST AIR BASIN		X	SOUTH CENTRAL COAST AIR BASIN		X
NORTH COAST AIR BASIN		X	SOUTH COAST AIR BASIN		X
NORTHEAST PLATEAU AIR BASIN		X			

\* The area designated for sulfur dioxide is a county or portion of a county

FIGURE 7

2018  
Area Designations for State  
Ambient Air Quality Standards  
**SULFATES**



Source Date:  
October 2018  
Air Quality Planning and Science Division



**TABLE 7**

**California Ambient Air Quality Standards  
Area Designation for Sulfates**

	<b>N</b>	<b>U</b>	<b>A</b>		<b>N</b>	<b>U</b>	<b>A</b>
GREAT BASIN VALLEYS AIR BASIN			X	SACRAMENTO VALLEY AIR BASIN			X
LAKE COUNTY AIR BASIN			X	SALTON SEA AIR BASIN			X
LAKE TAHOE AIR BASIN			X	SAN DIEGO AIR BASIN			X
MOJAVE DESERT AIR BASIN			X	SAN FRANCISCO BAY AREA AIR BASIN			X
MOUNTAIN COUNTIES AIR BASIN			X	SAN JOAQUIN VALLEY AIR BASIN			X
NORTH CENTRAL COAST AIR BASIN			X	SOUTH CENTRAL COAST AIR BASIN			X
NORTH COAST AIR BASIN			X	SOUTH COAST AIR BASIN			X
NORTHEAST PLATEAU AIR BASIN			X				

FIGURE 8

2018  
Area Designations for State  
Ambient Air Quality Standards  
LEAD



Source Date:  
October 2018  
Air Quality Planning and Science Division

**TABLE 8**

**California Ambient Air Quality Standards  
Area Designations for Lead (particulate)\***

	N	U	A		N	U	A
GREAT BASIN VALLEYS AIR BASIN			X	SALTON SEA AIR BASIN			X
LAKE COUNTY AIR BASIN			X	SAN DIEGO AIR BASIN			X
LAKE TAHOE AIR BASIN			X	SAN FRANCISCO BAY AREA AIR BASIN			X
MOJAVE DESERT AIR BASIN			X	SAN JOAQUIN VALLEY AIR BASIN			X
MOUNTAIN COUNTIES AIR BASIN			X	SOUTH CENTRAL COAST AIR BASIN			X
NORTH CENTRAL COAST AIR BASIN			X	SOUTH COAST AIR BASIN			X
NORTH COAST AIR BASIN			X				
NORTHEAST PLATEAU AIR BASIN			X				
SACRAMENTO VALLEY AIR BASIN			X				

\* The area designated for lead is a county or portion of a county. Since all areas in the State are in attainment for this standard, air basins are indicated here for simplicity.

FIGURE 9

2018  
Area Designations for State  
Ambient Air Quality Standards  
HYDROGEN SULFIDE



Source Date:  
October 2018  
Air Quality Planning and Science Division

**TABLE 9**

**California Ambient Air Quality Standards  
Area Designation for Hydrogen Sulfide\***

	N	NA-T	U	A		N	NA-T	U	A
GREAT BASIN VALLEYS AIR BASIN					NORTH CENTRAL COAST AIR BASIN			X	
Alpine County			X		NORTH COAST AIR BASIN				
Inyo County				X	Del Norte County			X	
Mono County				X	Humboldt County				X
LAKE COUNTY AIR BASIN				X	Mendocino County			X	
LAKE TAHOE AIR BASIN			X		Sonoma County (portion)				
MOJAVE DESERT AIR BASIN					- Geyser Geothermal Area (2)				X
Kern County (portion)			X		- Remainder of County			X	
Los Angeles County (portion)			X		Trinity County			X	
Riverside County (portion)			X		NORTHEAST PLATEAU AIR BASIN			X	
San Bernardino County (portion)					SACRAMENTO VALLEY AIR BASIN			X	
- Searles Valley Planning Area (1)	X				SALTON SEA AIR BASIN			X	
- Remainder of County			X		SAN DIEGO AIR BASIN			X	
MOUNTAIN COUNTIES AIR BASIN					SAN FRANCISCO BAY AREA AIR BASIN			X	
Amador County					SAN JOAQUIN VALLEY AIR BASIN			X	
- City of Sutter Creek	X				SOUTH CENTRAL COAST AIR BASIN				
- Remainder of County			X		San Luis Obispo County				X
Calaveras County			X		Santa Barbara County				X
El Dorado County (portion)			X		Ventura County			X	
Mariposa County			X		SOUTH COAST AIR BASIN			X	
Nevada County			X						
Placer County (portion)			X						
Plumas County			X						
Sierra County			X						
Tuolumne County			X						

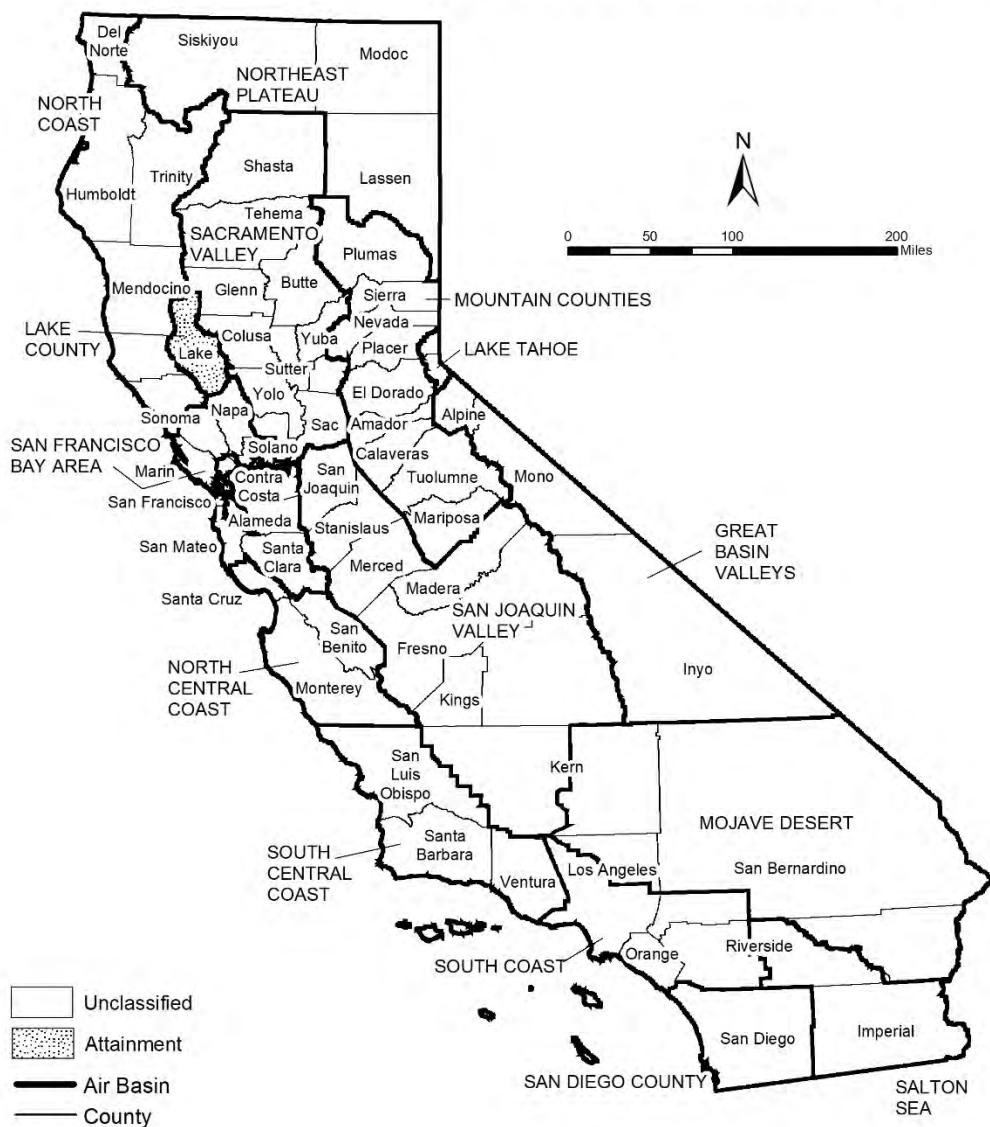
\* The area designated for hydrogen sulfide is a county or portion of a county

(1) 52 Federal Register 29384 (August 7, 1987)

(2) California Code of Regulations, title 17, section 60200(d)

FIGURE 10

2018  
Area Designations for State  
Ambient Air Quality Standards  
VISIBILITY REDUCING PARTICLES



Source Date:  
October 2018  
Air Quality Planning and Science Division

**TABLE 10**

**California Ambient Air Quality Standards  
Area Designation for Visibility Reducing Particles**

	<b>N</b>	<b>NA-T</b>	<b>U</b>	<b>A</b>		<b>N</b>	<b>NA-T</b>	<b>U</b>	<b>A</b>
GREAT BASIN VALLEYS AIR BASIN			X		SACRAMENTO VALLEY AIR BASIN			X	
LAKE COUNTY AIR BASIN				X	SALTON SEA AIR BASIN			X	
LAKE TAHOE AIR BASIN			X		SAN DIEGO AIR BASIN			X	
MOJAVE DESERT AIR BASIN			X		SAN FRANCISCO BAY AREA AIR BASIN			X	
MOUNTAIN COUNTIES AIR BASIN			X		SAN JOAQUIN VALLEY AIR BASIN			X	
NORTH CENTRAL COAST AIR BASIN			X		SOUTH CENTRAL COAST AIR BASIN			X	
NORTH COAST AIR BASIN			X		SOUTH COAST AIR BASIN			X	
NORTHEAST PLATEAU AIR BASIN			X						

## ***Area Designations for the National Ambient Air Quality Standards***

The following maps and tables show the area designations for each pollutant with a national ambient air quality standard. Additional information about the federal area designations is available on the U.S. EPA website:

<https://www.epa.gov/green-book>

Over the last several years, U.S. EPA has been reviewing the levels of the various national standards. The agency has already promulgated new standard levels for some pollutants and is considering revising the levels for others. Information about the status of these reviews is available on the U.S. EPA website:

<https://www.epa.gov/criteria-air-pollutants>

### **Designation Categories**

*Suspended Particulate Matter (PM<sub>10</sub>)*. The U.S. EPA uses three categories to designate areas with respect to PM<sub>10</sub>:

- Attainment
- Nonattainment
- Unclassifiable

*Ozone, Fine Suspended Particulate Matter (PM<sub>2.5</sub>), Carbon Monoxide (CO), and Nitrogen Dioxide (NO<sub>2</sub>)*. The U.S. EPA uses two categories to designate areas with respect to these standards:

- Nonattainment
- Unclassifiable/Attainment

The national 1-hour ozone standard was revoked effective June 15, 2005, and the area designations map reflects the 2015 national 8-hour ozone standard of 0.070 ppm. Original designations were finalized on August 3, 2018.

On December 14, 2012, the U.S. EPA established a new national annual primary PM<sub>2.5</sub> standard of 12.0 µg/m<sup>3</sup>. New area designations reflecting this revised standard became final in December 2014. The current designation map reflects the most recently revised (2012) annual average standard of 12.0 µg/m<sup>3</sup> as well as the 24-hour standard of 35 µg/m<sup>3</sup>, revised in 2006.

On January 22, 2010, the U.S. EPA established a new national 1-hour NO<sub>2</sub> standard of 100 parts per billion (ppb) and retained the annual average standard of 53 ppb. Designations for the primary NO<sub>2</sub> standard became effective on February 29, 2012. All areas of California meet this standard.

*Sulfur Dioxide (SO<sub>2</sub>)*. The U.S. EPA uses three categories to designate areas with respect to the 24-hour and annual average sulfur dioxide standards. These designation categories are:

- Nonattainment,
- Unclassifiable, and
- Attainment/Unclassifiable.

On June 2, 2010, the U.S. EPA established a new primary 1-hour SO<sub>2</sub> standard of 75 parts per billion (ppb). At the same time, U.S. EPA revoked the 24-hour and annual



average standards. Area designations for the 1-hour SO<sub>2</sub> standard were finalized on December 21, 2017 and are reflected in the area designations map.

*Lead (particulate).* The U.S. EPA promulgated a new rolling 3-month average lead standard in October 2008 of 0.15 µg/m<sup>3</sup>. Designations were made for this standard in November 2010.

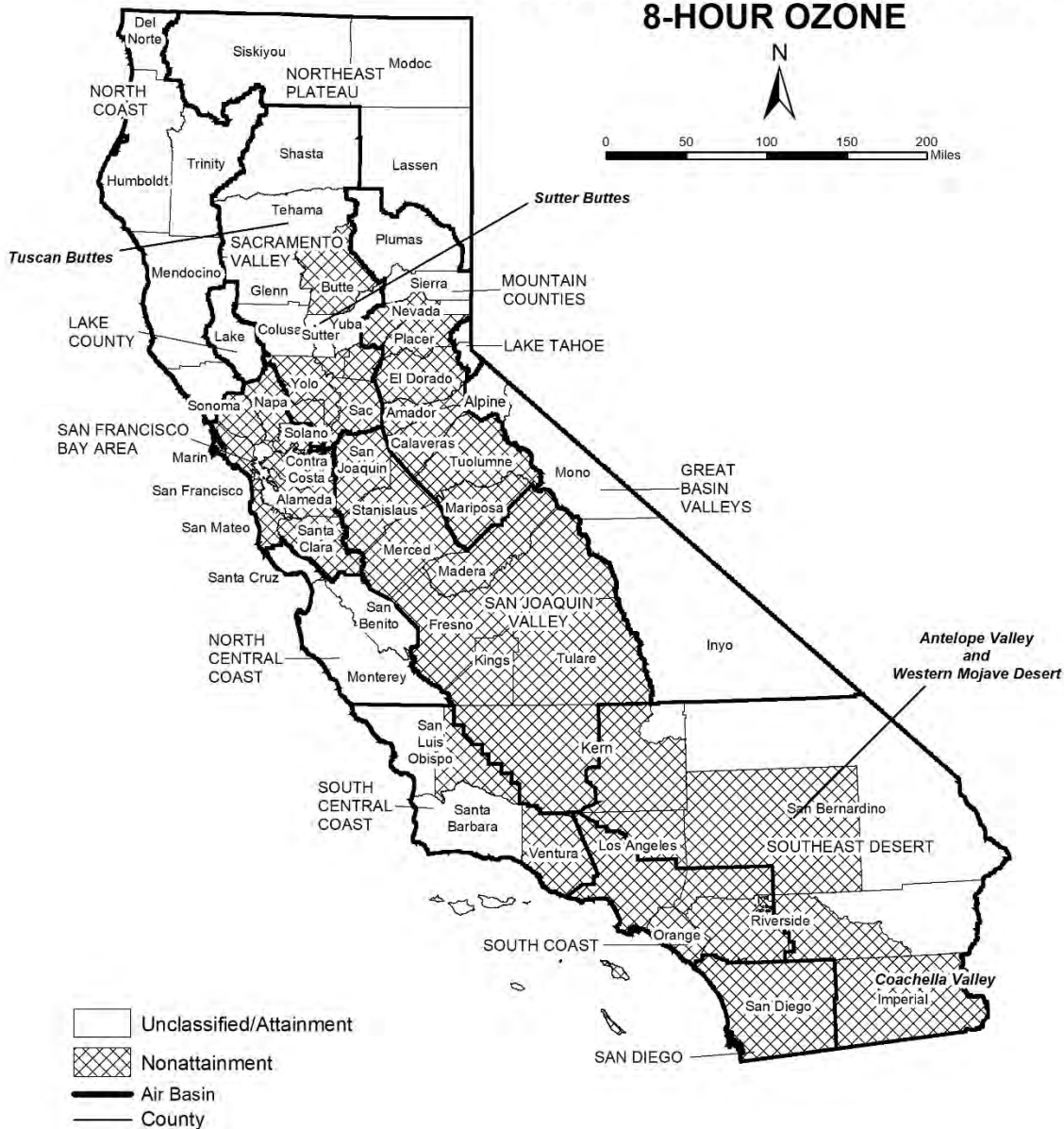
### Designation Areas

From time to time, the boundaries of the California air basins have been changed to facilitate the planning process. CARB generally initiates these changes, and they are not always reflected in the U.S. EPA's area designations. For purposes of consistency, the maps in this attachment reflect area designation boundaries and nomenclature as promulgated by the U.S. EPA. In some cases, these may not be the same as those adopted by CARB. For example, the national area designations reflect the former Southeast Desert Air Basin. In accordance with Health and Safety Code section 39606.1, CARB redefined this area in 1996 to be the Mojave Desert Air Basin and Salton Sea Air Basin. The definitions and boundaries for all areas designated for the national standards can be found in Title 40, Code of Federal Regulations (CFR), Chapter I, Subchapter C, Part 81.305. They are available on the web at:

*[https://ecfr.io/Title-40/se40.20.81\\_1305](https://ecfr.io/Title-40/se40.20.81_1305)*

FIGURE 11

### Area Designations for National Ambient Air Quality Standards 8-HOUR OZONE



**TABLE 11**

**National Ambient Air Quality Standards  
Area Designations for 8-Hour Ozone\***

	N	U/A		N	U/A
GREAT BASIN VALLEYS AIR BASIN		X	SACRAMENTO VALLEY AIR BASIN (cont.)		
LAKE COUNTY AIR BASIN		X	Yolo County (2)	X	
LAKE TAHOE AIR BASIN		X	Yuba County		X
MOUNTAIN COUNTIES AIR BASIN			SAN DIEGO COUNTY	X	
Amador County	X		SAN FRANCISCO BAY AREA AIR BASIN	X	
Calaveras County	X		SAN JOAQUIN VALLEY AIR BASIN	X	
El Dorado County (portion) (2)	X		SOUTH CENTRAL COAST AIR BASIN (1)		
Mariposa County	X		San Luis Obispo County		
Nevada County			- Eastern San Luis Obispo County	X	
- Western Nevada County	X		- Remainder of County		X
- Remainder of County		X	Santa Barbara County		X
Placer County (portion) (2)	X		Ventura County		
Plumas County		X	- Area excluding Anacapa and San Nicolas Islands	X	
Sierra County		X	- Channel Islands (1)		X
Tuolumne County	X		SOUTH COAST AIR BASIN (1)	X	
NORTH CENTRAL COAST AIR BASIN		X	SOUTHEAST DESERT AIR BASIN		
NORTH COAST AIR BASIN		X	Kern County (portion)	X	
NORTHEAST PLATEAU AIR BASIN		X	- Indian Wells Valley		X
SACRAMENTO VALLEY AIR BASIN			Imperial County	X	
Butte County	X		Los Angeles County (portion)	X	
Colusa County		X	Riverside County (portion)		
Glenn County		X	- Coachella Valley	X	
Sacramento Metro Area (2)	X		- Non-AQMA portion		X
Shasta County		X	San Bernardino County		
Sutter County			- Western portion (AQMA)	X	
- Sutter Buttes	X		- Eastern portion (non-AQMA)		X
- Southern portion of Sutter County (2)	X				
- Remainder of Sutter County		X			
Tehama County					
- Tuscan Buttes	X				
- Remainder of Tehama County		X			

\* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

NOTE: This map and table reflect the 2015 8-hour ozone standard of 0.070 ppm.

(1) South Central Coast Air Basin Channel Islands:

Santa Barbara County includes Santa Cruz, San Miguel, Santa Rosa, and Santa Barbara Islands.

Ventura County includes Anacapa and San Nicolas Islands.

South Coast Air Basin:

Los Angeles County includes San Clemente and Santa Catalina Islands.

(2) For this purpose, the Sacramento Metro Area comprises all of Sacramento and Yolo Counties, the Sacramento Valley Air Basin portion of Solano County, the southern portion of Sutter County, and the Sacramento Valley and Mountain Counties Air Basins portions of Placer and El Dorado counties.

FIGURE 12

### Area Designations for National Ambient Air Quality Standards PM10



Source Date:  
October 2018  
Air Quality Planning and Science Division

**TABLE 12**

**National Ambient Air Quality Standards  
Area Designations for Suspended Particulate Matter (PM10)\***

	N	U	A		N	U	A
GREAT BASIN VALLEYS AIR BASIN				SAN DIEGO COUNTY		X	
Alpine County		X		SAN FRANCISCO BAY AREA AIR BASIN		X	
Inyo County				SAN JOAQUIN VALLEY AIR BASIN			X
- Owens Valley Planning Area	X			SOUTH CENTRAL COAST AIR BASIN		X	
- Coso Junction			X	SOUTH COAST AIR BASIN			X
- Remainder of County		X		SOUTHEAST DESERT AIR BASIN			
Mono County				Eastern Kern County			
- Mammoth Lake Planning Area			X	- Indian Wells Valley			X
- Mono Lake Basin	X			- Portion within San Joaquin Valley Planning Area	X		
- Remainder of County		X		- Remainder of County		X	
LAKE COUNTY AIR BASIN		X		Imperial County			
LAKE TAHOE AIR BASIN		X		- Imperial Valley Planning Area	X		
MOUNTAIN COUNTIES AIR BASIN				- Remainder of County		X	
Placer County (portion) (2)		X		Los Angeles County (portion)		X	
Remainder of Air Basin		X		Riverside County (portion)			
NORTH CENTRAL COAST AIR BASIN		X		- Coachella Valley (3)	X		
NORTH COAST AIR BASIN		X		- Non-AQMA portion		X	
NORTHEAST PLATEAU AIR BASIN		X		San Bernardino County			
SACRAMENTO VALLEY AIR BASIN				- Trona	X		
Butte County		X		- Remainder of County	X		
Colusa County		X					
Glenn County		X					
Placer County (portion) (2)		X					
Sacramento County (1)			X				
Shasta County		X					
Solano County (portion)		X					
Sutter County		X					
Tehama County		X					
Yolo County		X					
Yuba County		X					

\* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

(1) Air quality in Sacramento County meets the national PM10 standards. The request for redesignation to attainment was approved by U.S. EPA in September 2013.

(2) U.S. EPA designation puts the Sacramento Valley Air Basin portion of Placer County in the Mountain Counties Air Basin.

(3) Air quality in Coachella Valley meets the national PM10 standards. A request for redesignation to attainment has been submitted to U.S. EPA.

FIGURE 13

### Area Designations for National Ambient Air Quality Standards PM2.5



Source Date:  
October 2018  
Air Quality Planning and Science Division

**TABLE 13**

**National Ambient Air Quality Standards  
Area Designations for Fine Particulate Matter (PM2.5)\***

	<b>N</b>	<b>U/A</b>		<b>N</b>	<b>U/A</b>
GREAT BASIN VALLEYS AIR BASIN		X	SAN DIEGO COUNTY		X
LAKE COUNTY AIR BASIN		X	SAN FRANCISCO BAY AREA AIR BASIN (2)	X	
LAKE TAHOE AIR BASIN		X	SAN JOAQUIN VALLEY AIR BASIN	X	
MOUNTAIN COUNTIES AIR BASIN			SOUTH CENTRAL COAST AIR BASIN		X
Plumas County			SOUTH COAST AIR BASIN (3)	X	
- Portola Valley Portion of Plumas	X		SOUTHEAST DESERT AIR BASIN		
- Remainder of Plumas County		X	Imperial County (portion) (4)	X	
Remainder of Air Basin		X	Remainder of Air Basin		X
NORTH CENTRAL COAST AIR BASIN		X			
NORTH COAST AIR BASIN		X			
NORTHEAST PLATEAU AIR BASIN		X			
SACRAMENTO VALLEY AIR BASIN					
Sacramento Metro Area (1)	X				
Sutter County		X			
Yuba County (portion)		X			
Remainder of Air Basin		X			

\* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305. This map reflects the 2006 24-hour PM2.5 standard as well as the 1997 and 2012 PM2.5 annual standards.

(1) For this purpose, Sacramento Metro Area comprises all of Sacramento and portions of El Dorado, Placer, Solano, and Yolo Counties. Air quality in this area meets the national PM2.5 standards. A Determination of Attainment for the 2006 24-hour PM2.5 standard was made by U.S. EPA in June 2017.

(2) Air quality in this area meets the national PM2.5 standards. A Determination of Attainment for the 2006 24-hour PM2.5 standard was made by U.S. EPA in June 2017.

(3) Those lands of the Santa Rosa Band of Cahulla Mission Indians in Riverside County are designated Unclassifiable/Attainment.

(4) That portion of Imperial County encompassing the urban and surrounding areas of Brawley, Calexico, El Centro, Heber, Holtville, Imperial, Seeley, and Westmorland. Air quality in this area meets the national PM2.5 standards. A Determination of Attainment for the 2006 24-hour PM2.5 standard was made by U.S. EPA in June 2017.

FIGURE 14

**Area Designations for National Ambient Air Quality Standards  
CARBON MONOXIDE**



Source Date:  
 October 2018  
 Air Quality Planning and Science Division



**TABLE 14****National Ambient Air Quality Standards  
Area Designations for Carbon Monoxide\***

	<b>N</b>	<b>U/A</b>		<b>N</b>	<b>U/A</b>
GREAT BASIN VALLEYS AIR BASIN		X	SACRAMENTO VALLEY AIR BASIN		X
LAKE COUNTY AIR BASIN		X	SAN DIEGO COUNTY		X
LAKE TAHOE AIR BASIN		X	SAN FRANCISCO BAY AREA AIR BASIN		X
MOUNTAIN COUNTIES AIR BASIN		X	SAN JOAQUIN VALLEY AIR BASIN		X
NORTH CENTRAL COAST AIR BASIN		X	SOUTH CENTRAL COAST AIR BASIN		X
NORTH COAST AIR BASIN		X	SOUTH COAST AIR BASIN		X
NORTHEAST PLATEAU AIR BASIN		X	SOUTHEAST DESERT AIR BASIN		X

\* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

FIGURE 15

### Area Designations for National Ambient Air Quality Standards NITROGEN DIOXIDE



Source Date:  
 October 2018  
 Air Quality Planning and Science Division

**TABLE 15****National Ambient Air Quality Standards  
Area Designations for Nitrogen Dioxide\***

	<b>N</b>	<b>U/A</b>		<b>N</b>	<b>U/A</b>
GREAT BASIN VALLEYS AIR BASIN		X	SACRAMENTO VALLEY AIR BASIN		X
LAKE COUNTY AIR BASIN		X	SAN DIEGO COUNTY		X
LAKE TAHOE AIR BASIN		X	SAN FRANCISCO BAY AREA AIR BASIN		X
MOUNTAIN COUNTIES AIR BASIN		X	SAN JOAQUIN VALLEY AIR BASIN		X
NORTH CENTRAL COAST AIR BASIN		X	SOUTH CENTRAL COAST AIR BASIN		X
NORTH COAST AIR BASIN		X	SOUTH COAST AIR BASIN		X
NORTHEAST PLATEAU AIR BASIN		X	SOUTHEAST DESERT AIR BASIN		X

\* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

FIGURE 16

### Area Designations for National Ambient Air Quality Standards SULFUR DIOXIDE



Source Date:  
October 2018  
Air Quality Planning and Science Division

**TABLE 16**

**National Ambient Air Quality Standards  
Area Designations for Sulfur Dioxide\***

	N	U/A		N	U/A
GREAT BASIN VALLEYS AIR BASIN		X	SOUTH CENTRAL COAST AIR BASIN		
LAKE COUNTY AIR BASIN		X	San Luis Obispo County		X
LAKE TAHOE AIR BASIN		X	Santa Barbara County		X
MOUNTAIN COUNTIES AIR BASIN		X	Ventura County		X
NORTH CENTRAL COAST AIR BASIN		X	Channel Islands (1)		X
NORTH COAST AIR BASIN		X	SOUTH COAST AIR BASIN		X
NORTHEAST PLATEAU AIR BASIN		X	SOUTHEAST DESERT AIR BASIN		
SACRAMENTO VALLEY AIR BASIN		X	Imperial County		X
SAN DIEGO COUNTY		X	Remainder of Air Basin		X
SAN FRANCISCO BAY AREA AIR BASIN		X			
SAN JOAQUIN VALLEY AIR BASIN					
Fresno County		X			
Kern County (portion)		X			
Kings County		X			
Madera County		X			
Merced County		X			
San Joaquin County		X			
Stanislaus County		X			
Tulare County		X			

\* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

NOTE: This map and table reflect the 2010 1-hour SO<sub>2</sub> standard of 75 ppb.

(1) South Central Coast Air Basin Channel Islands:

Santa Barbara County includes Santa Cruz, San Miguel, Santa Rosa, and Santa Barbara Islands.

Ventura County includes Anacapa and San Nicolas Islands.

Note that the San Clemente and Santa Catalina Islands are considered part of Los Angeles County, and therefore, are included as part of the South Coast Air Basin.

FIGURE 17

## Area Designations for National Ambient Air Quality Standards LEAD



Source Date:  
 October 2018  
 Air Quality Planning and Science Division

**TABLE 17**

**National Ambient Air Quality Standards  
Area Designations for Lead (particulate)**

	<b>N</b>	<b>U/A</b>		<b>N</b>	<b>U/A</b>
GREAT BASIN VALLEYS AIR BASIN		X	SAN DIEGO COUNTY		X
LAKE COUNTY AIR BASIN		X	SAN FRANCISCO BAY AREA AIR BASIN		X
LAKE TAHOE AIR BASIN		X	SAN JOAQUIN VALLEY AIR BASIN		X
MOUNTAIN COUNTIES AIR BASIN		X	SOUTH CENTRAL COAST AIR BASIN		X
NORTH CENTRAL COAST AIR BASIN		X	SOUTH COAST AIR BASIN		
NORTH COAST AIR BASIN		X	Los Angeles County (portion) (1)	X	
NORTHEAST PLATEAU AIR BASIN		X	Remainder of Air Basin		X
SACRAMENTO VALLEY AIR BASIN		X	SOUTHEAST DESERT AIR BASIN		X

(1) Portion of County in Air Basin, not including Channel Islands

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**APPENDIX 3.1:**  
**CALEEMOD CONSTRUCTION (UNMITIGATED) EMISSIONS MODEL OUTPUTS**

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

**Kaiser Commerce Center (Construction - Unmitigated)**  
**San Bernardino-South Coast County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	33.07	1000sqft	0.76	33,065.00	0
Unrefrigerated Warehouse-No Rail	132.26	1000sqft	3.04	132,259.00	0
Other Asphalt Surfaces	139.85	1000sqft	3.21	139,847.00	0
Other Non-Asphalt Surfaces	66.24	1000sqft	1.52	66,235.00	0
Parking Lot	175.00	Space	1.60	70,000.00	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>	702.44	<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**

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

Project Characteristics -

Land Use - Total Project Area is 10.13 acres.

Construction Phase - Construction Schedule adjusted to meet the 2020 Opening Year

Off-road Equipment - Hours are based on an 8-hour workday.

Off-road Equipment - Hours are based on an 8-hour workday.

Off-road Equipment -

Demolition -

Grading - For purposes of analysis, total acres graded per day is based on the equipment specific grading rates (CalEEMod Appendix A) and the equipment list.

Architectural Coating - Rule 1113

Vehicle Trips - Construction Run Only.

Energy Use - Construction Run Only.

Water And Wastewater - Construction Run Only.

Solid Waste - Construction Run Only.

Construction Off-road Equipment Mitigation - Rule 403

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	300.00	70.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	2.37	0.00
tblEnergyUse	LightingElect	1.17	0.00
tblEnergyUse	NT24E	36.52	0.00

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblEnergyUse	NT24E	0.82	0.00
tblEnergyUse	NT24NG	48.51	0.00
tblEnergyUse	NT24NG	0.03	0.00
tblEnergyUse	T24E	1.06	0.00
tblEnergyUse	T24E	0.37	0.00
tblEnergyUse	T24NG	3.25	0.00
tblEnergyUse	T24NG	2.00	0.00
tblGrading	AcresOfGrading	75.00	90.00
tblGrading	AcresOfGrading	0.00	15.00
tblGrading	MaterialImported	0.00	25,077.00
tblLandUse	LotAcreage	1.57	1.60
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	31.08	0.00
tblSolidWaste	SolidWasteGenerationRate	124.32	0.00
tblVehicleEF	HHD	1.26	0.03
tblVehicleEF	HHD	0.04	0.06
tblVehicleEF	HHD	0.13	0.00
tblVehicleEF	HHD	3.65	7.49
tblVehicleEF	HHD	0.59	0.57
tblVehicleEF	HHD	2.11	2.5880e-003
tblVehicleEF	HHD	7,044.09	1,448.69
tblVehicleEF	HHD	1,507.82	1,437.97
tblVehicleEF	HHD	6.10	0.03
tblVehicleEF	HHD	29.67	7.68
tblVehicleEF	HHD	3.22	3.64

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	7.6000e-005	1.0000e-006
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8830e-003	8.9180e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	7.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.0700e-004	5.0000e-006
tblVehicleEF	HHD	4.2590e-003	1.5400e-004
tblVehicleEF	HHD	0.94	0.60
tblVehicleEF	HHD	6.5000e-005	3.0000e-006
tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	2.9100e-004	7.7100e-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	5.0000e-006
tblVehicleEF	HHD	4.2590e-003	1.5400e-004
tblVehicleEF	HHD	1.08	0.69
tblVehicleEF	HHD	6.5000e-005	3.0000e-006
tblVehicleEF	HHD	0.14	0.18
tblVehicleEF	HHD	2.9100e-004	7.7100e-004
tblVehicleEF	HHD	0.08	1.0000e-006

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	HHD	1.19	0.03
tblVehicleEF	HHD	0.04	0.06
tblVehicleEF	HHD	0.12	0.00
tblVehicleEF	HHD	2.66	7.32
tblVehicleEF	HHD	0.59	0.57
tblVehicleEF	HHD	1.99	2.4340e-003
tblVehicleEF	HHD	7,457.73	1,444.52
tblVehicleEF	HHD	1,507.82	1,437.97
tblVehicleEF	HHD	6.10	0.03
tblVehicleEF	HHD	30.61	7.46
tblVehicleEF	HHD	3.03	3.42
tblVehicleEF	HHD	0.01	0.02
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	7.6000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	0.02
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8830e-003	8.9180e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	7.0000e-005	1.0000e-006
tblVehicleEF	HHD	2.1400e-004	1.0000e-005
tblVehicleEF	HHD	4.8950e-003	1.8100e-004
tblVehicleEF	HHD	0.89	0.63
tblVehicleEF	HHD	1.5100e-004	7.0000e-006
tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	2.9900e-004	7.9700e-004

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

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	1.0000e-005
tblVehicleEF	HHD	4.8950e-003	1.8100e-004
tblVehicleEF	HHD	1.02	0.72
tblVehicleEF	HHD	1.5100e-004	7.0000e-006
tblVehicleEF	HHD	0.14	0.18
tblVehicleEF	HHD	2.9900e-004	7.9700e-004
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	1.36	0.03
tblVehicleEF	HHD	0.04	4.6710e-003
tblVehicleEF	HHD	0.13	0.00
tblVehicleEF	HHD	5.01	7.66
tblVehicleEF	HHD	0.59	0.43
tblVehicleEF	HHD	2.07	2.5600e-003
tblVehicleEF	HHD	6,472.88	1,440.00
tblVehicleEF	HHD	1,507.82	1,397.78
tblVehicleEF	HHD	6.10	0.03
tblVehicleEF	HHD	28.37	7.90
tblVehicleEF	HHD	3.17	3.54
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	7.6000e-005	1.0000e-006

## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8830e-003	8.8180e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	7.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.1000e-004	5.0000e-006
tblVehicleEF	HHD	4.8700e-003	1.8200e-004
tblVehicleEF	HHD	1.01	0.57
tblVehicleEF	HHD	6.4000e-005	3.0000e-006
tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	3.1000e-004	8.0600e-004
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	5.0000e-006
tblVehicleEF	HHD	4.8700e-003	1.8200e-004
tblVehicleEF	HHD	1.16	0.65
tblVehicleEF	HHD	6.4000e-005	3.0000e-006
tblVehicleEF	HHD	0.14	0.11
tblVehicleEF	HHD	3.1000e-004	8.0600e-004
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	LDA	5.1540e-003	3.2100e-003
tblVehicleEF	LDA	7.4770e-003	0.06
tblVehicleEF	LDA	0.66	0.77
tblVehicleEF	LDA	1.48	2.29
tblVehicleEF	LDA	271.76	276.68



## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	LDA	61.36	57.07
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	1.7360e-003	1.5890e-003
tblVehicleEF	LDA	2.3270e-003	2.0370e-003
tblVehicleEF	LDA	1.6000e-003	1.4630e-003
tblVehicleEF	LDA	2.1400e-003	1.8730e-003
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.10	0.28
tblVehicleEF	LDA	2.7220e-003	2.7370e-003
tblVehicleEF	LDA	6.3900e-004	5.6500e-004
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.11	0.30
tblVehicleEF	LDA	5.8790e-003	3.6760e-003
tblVehicleEF	LDA	6.2340e-003	0.05
tblVehicleEF	LDA	0.81	0.94
tblVehicleEF	LDA	1.22	1.90
tblVehicleEF	LDA	297.40	302.23
tblVehicleEF	LDA	61.36	56.31
tblVehicleEF	LDA	0.06	0.05

## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	LDA	1.7360e-003	1.5890e-003
tblVehicleEF	LDA	2.3270e-003	2.0370e-003
tblVehicleEF	LDA	1.6000e-003	1.4630e-003
tblVehicleEF	LDA	2.1400e-003	1.8730e-003
tblVehicleEF	LDA	0.11	0.15
tblVehicleEF	LDA	0.14	0.14
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.08	0.23
tblVehicleEF	LDA	2.9810e-003	2.9900e-003
tblVehicleEF	LDA	6.3500e-004	5.5700e-004
tblVehicleEF	LDA	0.11	0.15
tblVehicleEF	LDA	0.14	0.14
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.09	0.25
tblVehicleEF	LDA	5.0060e-003	3.1310e-003
tblVehicleEF	LDA	7.4230e-003	0.06
tblVehicleEF	LDA	0.62	0.73
tblVehicleEF	LDA	1.46	2.25
tblVehicleEF	LDA	265.71	270.69
tblVehicleEF	LDA	61.36	57.01
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	1.7360e-003	1.5890e-003
tblVehicleEF	LDA	2.3270e-003	2.0370e-003

## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	LDA	1.6000e-003	1.4630e-003
tblVehicleEF	LDA	2.1400e-003	1.8730e-003
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.26
tblVehicleEF	LDA	0.10	0.27
tblVehicleEF	LDA	2.6610e-003	2.6780e-003
tblVehicleEF	LDA	6.3900e-004	5.6400e-004
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.26
tblVehicleEF	LDA	0.11	0.30
tblVehicleEF	LDT1	0.02	9.4220e-003
tblVehicleEF	LDT1	0.02	0.10
tblVehicleEF	LDT1	1.88	1.84
tblVehicleEF	LDT1	4.45	2.64
tblVehicleEF	LDT1	332.44	327.73
tblVehicleEF	LDT1	74.44	69.37
tblVehicleEF	LDT1	0.20	0.17
tblVehicleEF	LDT1	3.0160e-003	2.6170e-003
tblVehicleEF	LDT1	4.1090e-003	3.3430e-003
tblVehicleEF	LDT1	2.7780e-003	2.4090e-003
tblVehicleEF	LDT1	3.7800e-003	3.0740e-003

## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	LDT1	0.21	0.23
tblVehicleEF	LDT1	0.38	0.31
tblVehicleEF	LDT1	0.14	0.16
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.23	1.04
tblVehicleEF	LDT1	0.32	0.54
tblVehicleEF	LDT1	3.3490e-003	3.2430e-003
tblVehicleEF	LDT1	8.2300e-004	6.8700e-004
tblVehicleEF	LDT1	0.21	0.23
tblVehicleEF	LDT1	0.38	0.31
tblVehicleEF	LDT1	0.14	0.16
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.23	1.04
tblVehicleEF	LDT1	0.35	0.59
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	2.25	2.22
tblVehicleEF	LDT1	3.66	2.18
tblVehicleEF	LDT1	362.07	354.55
tblVehicleEF	LDT1	74.44	68.34
tblVehicleEF	LDT1	0.18	0.16
tblVehicleEF	LDT1	3.0160e-003	2.6170e-003
tblVehicleEF	LDT1	4.1090e-003	3.3430e-003
tblVehicleEF	LDT1	2.7780e-003	2.4090e-003
tblVehicleEF	LDT1	3.7800e-003	3.0740e-003
tblVehicleEF	LDT1	0.42	0.48
tblVehicleEF	LDT1	0.47	0.39

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	LDT1	0.30	0.34
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	1.04
tblVehicleEF	LDT1	0.27	0.45
tblVehicleEF	LDT1	3.6510e-003	3.5080e-003
tblVehicleEF	LDT1	8.0900e-004	6.7600e-004
tblVehicleEF	LDT1	0.42	0.48
tblVehicleEF	LDT1	0.47	0.39
tblVehicleEF	LDT1	0.30	0.34
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.23	1.04
tblVehicleEF	LDT1	0.29	0.49
tblVehicleEF	LDT1	0.02	9.2010e-003
tblVehicleEF	LDT1	0.02	0.10
tblVehicleEF	LDT1	1.79	1.75
tblVehicleEF	LDT1	4.37	2.60
tblVehicleEF	LDT1	325.45	321.36
tblVehicleEF	LDT1	74.44	69.28
tblVehicleEF	LDT1	0.19	0.16
tblVehicleEF	LDT1	3.0160e-003	2.6170e-003
tblVehicleEF	LDT1	4.1090e-003	3.3430e-003
tblVehicleEF	LDT1	2.7780e-003	2.4090e-003
tblVehicleEF	LDT1	3.7800e-003	3.0740e-003
tblVehicleEF	LDT1	0.22	0.24
tblVehicleEF	LDT1	0.44	0.36
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.04	0.04

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	LDT1	0.26	1.22
tblVehicleEF	LDT1	0.32	0.54
tblVehicleEF	LDT1	3.2780e-003	3.1800e-003
tblVehicleEF	LDT1	8.2200e-004	6.8600e-004
tblVehicleEF	LDT1	0.22	0.24
tblVehicleEF	LDT1	0.44	0.36
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.26	1.22
tblVehicleEF	LDT1	0.35	0.59
tblVehicleEF	LDT2	7.5900e-003	5.4250e-003
tblVehicleEF	LDT2	0.01	0.09
tblVehicleEF	LDT2	0.92	1.17
tblVehicleEF	LDT2	2.08	3.01
tblVehicleEF	LDT2	375.03	356.41
tblVehicleEF	LDT2	84.46	75.61
tblVehicleEF	LDT2	0.11	0.12
tblVehicleEF	LDT2	1.7360e-003	1.6670e-003
tblVehicleEF	LDT2	2.4270e-003	2.1440e-003
tblVehicleEF	LDT2	1.5970e-003	1.5340e-003
tblVehicleEF	LDT2	2.2320e-003	1.9720e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.14	0.17
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.53
tblVehicleEF	LDT2	0.14	0.42

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	LDT2	3.7580e-003	3.5260e-003
tblVehicleEF	LDT2	8.8000e-004	7.4800e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.14	0.17
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.08	0.53
tblVehicleEF	LDT2	0.16	0.46
tblVehicleEF	LDT2	8.6210e-003	6.1900e-003
tblVehicleEF	LDT2	8.8260e-003	0.07
tblVehicleEF	LDT2	1.12	1.42
tblVehicleEF	LDT2	1.72	2.48
tblVehicleEF	LDT2	409.49	383.08
tblVehicleEF	LDT2	84.46	74.56
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	1.7360e-003	1.6670e-003
tblVehicleEF	LDT2	2.4270e-003	2.1440e-003
tblVehicleEF	LDT2	1.5970e-003	1.5340e-003
tblVehicleEF	LDT2	2.2320e-003	1.9720e-003
tblVehicleEF	LDT2	0.15	0.23
tblVehicleEF	LDT2	0.17	0.20
tblVehicleEF	LDT2	0.12	0.19
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.52
tblVehicleEF	LDT2	0.12	0.35
tblVehicleEF	LDT2	4.1060e-003	3.7900e-003
tblVehicleEF	LDT2	8.7400e-004	7.3800e-004

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	LDT2	0.15	0.23
tblVehicleEF	LDT2	0.17	0.20
tblVehicleEF	LDT2	0.12	0.19
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.07	0.52
tblVehicleEF	LDT2	0.13	0.38
tblVehicleEF	LDT2	7.3800e-003	5.2940e-003
tblVehicleEF	LDT2	0.01	0.09
tblVehicleEF	LDT2	0.87	1.11
tblVehicleEF	LDT2	2.04	2.96
tblVehicleEF	LDT2	366.89	350.08
tblVehicleEF	LDT2	84.46	75.53
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	1.7360e-003	1.6670e-003
tblVehicleEF	LDT2	2.4270e-003	2.1440e-003
tblVehicleEF	LDT2	1.5970e-003	1.5340e-003
tblVehicleEF	LDT2	2.2320e-003	1.9720e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.16	0.19
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.09	0.61
tblVehicleEF	LDT2	0.14	0.41
tblVehicleEF	LDT2	3.6760e-003	3.4640e-003
tblVehicleEF	LDT2	8.8000e-004	7.4700e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.16	0.19



Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.09	0.61
tblVehicleEF	LDT2	0.16	0.45
tblVehicleEF	LHD1	5.6900e-003	5.0880e-003
tblVehicleEF	LHD1	0.01	7.7680e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.27	1.08
tblVehicleEF	LHD1	2.93	1.12
tblVehicleEF	LHD1	9.23	9.45
tblVehicleEF	LHD1	620.09	663.36
tblVehicleEF	LHD1	31.53	11.23
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.40	1.84
tblVehicleEF	LHD1	9.6100e-004	9.3100e-004
tblVehicleEF	LHD1	0.01	9.9320e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0840e-003	2.9900e-004
tblVehicleEF	LHD1	9.1900e-004	8.9100e-004
tblVehicleEF	LHD1	2.5180e-003	2.4830e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.9800e-004	2.7500e-004
tblVehicleEF	LHD1	3.8770e-003	3.4930e-003
tblVehicleEF	LHD1	0.11	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8640e-003	1.6570e-003

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.35	0.65
tblVehicleEF	LHD1	0.30	0.09
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0910e-003	6.4590e-003
tblVehicleEF	LHD1	3.7100e-004	1.1100e-004
tblVehicleEF	LHD1	3.8770e-003	3.4930e-003
tblVehicleEF	LHD1	0.11	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8640e-003	1.6570e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.35	0.65
tblVehicleEF	LHD1	0.33	0.10
tblVehicleEF	LHD1	5.6900e-003	5.1040e-003
tblVehicleEF	LHD1	0.02	7.9500e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.29	1.10
tblVehicleEF	LHD1	2.74	1.04
tblVehicleEF	LHD1	9.23	9.45
tblVehicleEF	LHD1	620.09	663.40
tblVehicleEF	LHD1	31.53	11.10
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.25	1.73
tblVehicleEF	LHD1	9.6100e-004	9.3100e-004
tblVehicleEF	LHD1	0.01	9.9320e-003
tblVehicleEF	LHD1	0.02	0.01

## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD1	1.0840e-003	2.9900e-004
tblVehicleEF	LHD1	9.1900e-004	8.9100e-004
tblVehicleEF	LHD1	2.5180e-003	2.4830e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.9800e-004	2.7500e-004
tblVehicleEF	LHD1	7.6890e-003	6.9750e-003
tblVehicleEF	LHD1	0.13	0.12
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.2920e-003	3.8740e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.35	0.66
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0910e-003	6.4590e-003
tblVehicleEF	LHD1	3.6700e-004	1.1000e-004
tblVehicleEF	LHD1	7.6890e-003	6.9750e-003
tblVehicleEF	LHD1	0.13	0.12
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.2920e-003	3.8740e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.35	0.66
tblVehicleEF	LHD1	0.32	0.10
tblVehicleEF	LHD1	5.6900e-003	5.0910e-003
tblVehicleEF	LHD1	0.01	7.7840e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.27	1.08

## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD1	2.88	1.10
tblVehicleEF	LHD1	9.23	9.45
tblVehicleEF	LHD1	620.09	663.36
tblVehicleEF	LHD1	31.53	11.20
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.36	1.81
tblVehicleEF	LHD1	9.6100e-004	9.3100e-004
tblVehicleEF	LHD1	0.01	9.9320e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0840e-003	2.9900e-004
tblVehicleEF	LHD1	9.1900e-004	8.9100e-004
tblVehicleEF	LHD1	2.5180e-003	2.4830e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.9800e-004	2.7500e-004
tblVehicleEF	LHD1	4.3010e-003	3.9210e-003
tblVehicleEF	LHD1	0.13	0.12
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8380e-003	1.6360e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.38	0.70
tblVehicleEF	LHD1	0.30	0.09
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0910e-003	6.4590e-003
tblVehicleEF	LHD1	3.7000e-004	1.1100e-004
tblVehicleEF	LHD1	4.3010e-003	3.9210e-003
tblVehicleEF	LHD1	0.13	0.12
tblVehicleEF	LHD1	0.02	0.03

## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD1	1.8380e-003	1.6360e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.38	0.70
tblVehicleEF	LHD1	0.33	0.10
tblVehicleEF	LHD2	4.0010e-003	3.4940e-003
tblVehicleEF	LHD2	5.9170e-003	4.8970e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.63	0.67
tblVehicleEF	LHD2	1.40	0.67
tblVehicleEF	LHD2	14.35	14.68
tblVehicleEF	LHD2	619.96	664.05
tblVehicleEF	LHD2	25.37	8.14
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.91	1.99
tblVehicleEF	LHD2	1.3140e-003	1.3790e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	4.6400e-004	1.4200e-004
tblVehicleEF	LHD2	1.2570e-003	1.3190e-003
tblVehicleEF	LHD2	2.6760e-003	2.6850e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2700e-004	1.3000e-004
tblVehicleEF	LHD2	1.5090e-003	1.7180e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.7800e-004	8.5100e-004

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.11	0.33
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	6.0350e-003	6.4090e-003
tblVehicleEF	LHD2	2.8000e-004	8.1000e-005
tblVehicleEF	LHD2	1.5090e-003	1.7180e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7800e-004	8.5100e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.11	0.33
tblVehicleEF	LHD2	0.15	0.06
tblVehicleEF	LHD2	4.0010e-003	3.5050e-003
tblVehicleEF	LHD2	6.0090e-003	4.9550e-003
tblVehicleEF	LHD2	9.7620e-003	0.01
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.63	0.68
tblVehicleEF	LHD2	1.32	0.63
tblVehicleEF	LHD2	14.35	14.68
tblVehicleEF	LHD2	619.96	664.06
tblVehicleEF	LHD2	25.37	8.07
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.80	1.87
tblVehicleEF	LHD2	1.3140e-003	1.3790e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	4.6400e-004	1.4200e-004

## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD2	1.2570e-003	1.3190e-003
tblVehicleEF	LHD2	2.6760e-003	2.6850e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2700e-004	1.3000e-004
tblVehicleEF	LHD2	2.9270e-003	3.3570e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.7180e-003	1.9120e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.11	0.33
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	6.0350e-003	6.4090e-003
tblVehicleEF	LHD2	2.7800e-004	8.0000e-005
tblVehicleEF	LHD2	2.9270e-003	3.3570e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.7180e-003	1.9120e-003
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.11	0.33
tblVehicleEF	LHD2	0.14	0.06
tblVehicleEF	LHD2	4.0010e-003	3.4970e-003
tblVehicleEF	LHD2	5.9270e-003	4.9040e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.63	0.67
tblVehicleEF	LHD2	1.38	0.66
tblVehicleEF	LHD2	14.35	14.68

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD2	619.96	664.05
tblVehicleEF	LHD2	25.37	8.12
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.88	1.96
tblVehicleEF	LHD2	1.3140e-003	1.3790e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	4.6400e-004	1.4200e-004
tblVehicleEF	LHD2	1.2570e-003	1.3190e-003
tblVehicleEF	LHD2	2.6760e-003	2.6850e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2700e-004	1.3000e-004
tblVehicleEF	LHD2	1.5970e-003	1.8540e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.6400e-004	8.3300e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.11	0.35
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	6.0350e-003	6.4090e-003
tblVehicleEF	LHD2	2.7900e-004	8.0000e-005
tblVehicleEF	LHD2	1.5970e-003	1.8540e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.6400e-004	8.3300e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.11	0.35



Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD2	0.15	0.06
tblVehicleEF	MCY	0.41	0.33
tblVehicleEF	MCY	0.16	0.25
tblVehicleEF	MCY	21.63	21.70
tblVehicleEF	MCY	9.90	8.75
tblVehicleEF	MCY	166.31	211.44
tblVehicleEF	MCY	47.31	62.20
tblVehicleEF	MCY	1.17	1.18
tblVehicleEF	MCY	1.7690e-003	1.7420e-003
tblVehicleEF	MCY	3.8320e-003	3.1620e-003
tblVehicleEF	MCY	1.6590e-003	1.6340e-003
tblVehicleEF	MCY	3.6220e-003	2.9860e-003
tblVehicleEF	MCY	1.45	1.43
tblVehicleEF	MCY	0.86	0.84
tblVehicleEF	MCY	0.81	0.80
tblVehicleEF	MCY	2.28	2.28
tblVehicleEF	MCY	0.51	2.16
tblVehicleEF	MCY	2.19	1.93
tblVehicleEF	MCY	2.0810e-003	2.0920e-003
tblVehicleEF	MCY	7.0000e-004	6.1600e-004
tblVehicleEF	MCY	1.45	1.43
tblVehicleEF	MCY	0.86	0.84
tblVehicleEF	MCY	0.81	0.80
tblVehicleEF	MCY	2.77	2.77
tblVehicleEF	MCY	0.51	2.16
tblVehicleEF	MCY	2.38	2.10
tblVehicleEF	MCY	0.41	0.33

## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	MCY	0.14	0.22
tblVehicleEF	MCY	21.75	21.83
tblVehicleEF	MCY	9.07	7.97
tblVehicleEF	MCY	166.31	211.41
tblVehicleEF	MCY	47.31	60.03
tblVehicleEF	MCY	1.00	1.00
tblVehicleEF	MCY	1.7690e-003	1.7420e-003
tblVehicleEF	MCY	3.8320e-003	3.1620e-003
tblVehicleEF	MCY	1.6590e-003	1.6340e-003
tblVehicleEF	MCY	3.6220e-003	2.9860e-003
tblVehicleEF	MCY	3.14	3.12
tblVehicleEF	MCY	1.28	1.27
tblVehicleEF	MCY	2.15	2.12
tblVehicleEF	MCY	2.21	2.21
tblVehicleEF	MCY	0.50	2.15
tblVehicleEF	MCY	1.88	1.65
tblVehicleEF	MCY	2.0810e-003	2.0920e-003
tblVehicleEF	MCY	6.7600e-004	5.9400e-004
tblVehicleEF	MCY	3.14	3.12
tblVehicleEF	MCY	1.28	1.27
tblVehicleEF	MCY	2.15	2.12
tblVehicleEF	MCY	2.70	2.69
tblVehicleEF	MCY	0.50	2.15
tblVehicleEF	MCY	2.05	1.79
tblVehicleEF	MCY	0.41	0.33
tblVehicleEF	MCY	0.15	0.25
tblVehicleEF	MCY	20.62	20.68

## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	MCY	9.51	8.39
tblVehicleEF	MCY	166.31	209.68
tblVehicleEF	MCY	47.31	61.38
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	1.7690e-003	1.7420e-003
tblVehicleEF	MCY	3.8320e-003	3.1620e-003
tblVehicleEF	MCY	1.6590e-003	1.6340e-003
tblVehicleEF	MCY	3.6220e-003	2.9860e-003
tblVehicleEF	MCY	1.71	1.69
tblVehicleEF	MCY	1.15	1.12
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.24	2.23
tblVehicleEF	MCY	0.57	2.45
tblVehicleEF	MCY	2.11	1.85
tblVehicleEF	MCY	2.0640e-003	2.0750e-003
tblVehicleEF	MCY	6.9100e-004	6.0700e-004
tblVehicleEF	MCY	1.71	1.69
tblVehicleEF	MCY	1.15	1.12
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.73	2.72
tblVehicleEF	MCY	0.57	2.45
tblVehicleEF	MCY	2.30	2.01
tblVehicleEF	MDV	0.02	7.4600e-003
tblVehicleEF	MDV	0.02	0.11
tblVehicleEF	MDV	1.73	1.47
tblVehicleEF	MDV	3.93	3.71
tblVehicleEF	MDV	510.99	438.31

## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	MDV	113.32	92.88
tblVehicleEF	MDV	0.22	0.16
tblVehicleEF	MDV	1.8900e-003	1.7940e-003
tblVehicleEF	MDV	2.6570e-003	2.2880e-003
tblVehicleEF	MDV	1.7440e-003	1.6560e-003
tblVehicleEF	MDV	2.4460e-003	2.1070e-003
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.21	0.19
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.31	0.54
tblVehicleEF	MDV	5.1260e-003	4.3340e-003
tblVehicleEF	MDV	1.2030e-003	9.1900e-004
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.21	0.19
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.34	0.59
tblVehicleEF	MDV	0.02	8.4130e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	2.07	1.77
tblVehicleEF	MDV	3.28	3.07
tblVehicleEF	MDV	556.34	466.62
tblVehicleEF	MDV	113.32	91.58
tblVehicleEF	MDV	0.20	0.14

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	MDV	1.8900e-003	1.7940e-003
tblVehicleEF	MDV	2.6570e-003	2.2880e-003
tblVehicleEF	MDV	1.7440e-003	1.6560e-003
tblVehicleEF	MDV	2.4460e-003	2.1070e-003
tblVehicleEF	MDV	0.21	0.26
tblVehicleEF	MDV	0.25	0.22
tblVehicleEF	MDV	0.18	0.22
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.26	0.45
tblVehicleEF	MDV	5.5850e-003	4.6140e-003
tblVehicleEF	MDV	1.1910e-003	9.0600e-004
tblVehicleEF	MDV	0.21	0.26
tblVehicleEF	MDV	0.25	0.22
tblVehicleEF	MDV	0.18	0.22
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.29	0.50
tblVehicleEF	MDV	0.01	7.2640e-003
tblVehicleEF	MDV	0.02	0.11
tblVehicleEF	MDV	1.63	1.39
tblVehicleEF	MDV	3.86	3.65
tblVehicleEF	MDV	500.39	431.57
tblVehicleEF	MDV	113.32	92.77
tblVehicleEF	MDV	0.21	0.15
tblVehicleEF	MDV	1.8900e-003	1.7940e-003
tblVehicleEF	MDV	2.6570e-003	2.2880e-003

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	MDV	1.7440e-003	1.6560e-003
tblVehicleEF	MDV	2.4460e-003	2.1070e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.63
tblVehicleEF	MDV	0.31	0.54
tblVehicleEF	MDV	5.0190e-003	4.2670e-003
tblVehicleEF	MDV	1.2020e-003	9.1800e-004
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.13	0.63
tblVehicleEF	MDV	0.34	0.59
tblVehicleEF	MH	0.04	3.9290e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	4.29	0.37
tblVehicleEF	MH	7.50	0.00
tblVehicleEF	MH	1,044.38	962.75
tblVehicleEF	MH	61.75	0.00
tblVehicleEF	MH	1.73	4.84
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.16
tblVehicleEF	MH	1.5070e-003	0.00
tblVehicleEF	MH	3.2190e-003	4.0000e-003

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	MH	0.04	0.15
tblVehicleEF	MH	1.3940e-003	0.00
tblVehicleEF	MH	1.65	0.00
tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	0.56	0.00
tblVehicleEF	MH	0.14	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.45	0.00
tblVehicleEF	MH	0.01	9.1010e-003
tblVehicleEF	MH	7.4900e-004	0.00
tblVehicleEF	MH	1.65	0.00
tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	0.56	0.00
tblVehicleEF	MH	0.19	0.10
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.49	0.00
tblVehicleEF	MH	0.05	3.9290e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	4.46	0.37
tblVehicleEF	MH	6.85	0.00
tblVehicleEF	MH	1,044.38	962.75
tblVehicleEF	MH	61.75	0.00
tblVehicleEF	MH	1.58	4.55
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.16
tblVehicleEF	MH	1.5070e-003	0.00
tblVehicleEF	MH	3.2190e-003	4.0000e-003

## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	MH	0.04	0.15
tblVehicleEF	MH	1.3940e-003	0.00
tblVehicleEF	MH	3.30	0.00
tblVehicleEF	MH	0.12	0.00
tblVehicleEF	MH	1.37	0.00
tblVehicleEF	MH	0.14	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.01	9.1010e-003
tblVehicleEF	MH	7.3800e-004	0.00
tblVehicleEF	MH	3.30	0.00
tblVehicleEF	MH	0.12	0.00
tblVehicleEF	MH	1.37	0.00
tblVehicleEF	MH	0.20	0.10
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.46	0.00
tblVehicleEF	MH	0.04	3.9290e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	4.28	0.37
tblVehicleEF	MH	7.39	0.00
tblVehicleEF	MH	1,044.38	962.75
tblVehicleEF	MH	61.75	0.00
tblVehicleEF	MH	1.69	4.76
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.16
tblVehicleEF	MH	1.5070e-003	0.00
tblVehicleEF	MH	3.2190e-003	4.0000e-003



Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	MH	0.04	0.15
tblVehicleEF	MH	1.3940e-003	0.00
tblVehicleEF	MH	2.00	0.00
tblVehicleEF	MH	0.13	0.00
tblVehicleEF	MH	0.59	0.00
tblVehicleEF	MH	0.14	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.44	0.00
tblVehicleEF	MH	0.01	9.1010e-003
tblVehicleEF	MH	7.4700e-004	0.00
tblVehicleEF	MH	2.00	0.00
tblVehicleEF	MH	0.13	0.00
tblVehicleEF	MH	0.59	0.00
tblVehicleEF	MH	0.19	0.10
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.49	0.00
tblVehicleEF	MHD	0.02	3.2690e-003
tblVehicleEF	MHD	6.5200e-003	7.4410e-003
tblVehicleEF	MHD	0.06	9.2700e-003
tblVehicleEF	MHD	0.41	0.34
tblVehicleEF	MHD	0.48	0.67
tblVehicleEF	MHD	6.64	1.11
tblVehicleEF	MHD	157.61	72.65
tblVehicleEF	MHD	1,102.10	1,047.06
tblVehicleEF	MHD	54.49	8.73
tblVehicleEF	MHD	0.99	0.68
tblVehicleEF	MHD	1.67	2.66

## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	MHD	2.8010e-003	2.4760e-003
tblVehicleEF	MHD	0.04	0.08
tblVehicleEF	MHD	8.7800e-004	1.1500e-004
tblVehicleEF	MHD	2.6800e-003	2.3690e-003
tblVehicleEF	MHD	0.04	0.08
tblVehicleEF	MHD	8.0700e-004	1.0600e-004
tblVehicleEF	MHD	1.5850e-003	7.5000e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.7500e-004	3.6500e-004
tblVehicleEF	MHD	0.08	0.13
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.40	0.05
tblVehicleEF	MHD	1.5150e-003	6.8900e-004
tblVehicleEF	MHD	0.01	9.9770e-003
tblVehicleEF	MHD	6.6100e-004	8.6000e-005
tblVehicleEF	MHD	1.5850e-003	7.5000e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.7500e-004	3.6500e-004
tblVehicleEF	MHD	0.09	0.15
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.44	0.05
tblVehicleEF	MHD	0.02	3.0990e-003
tblVehicleEF	MHD	6.6290e-003	7.5050e-003
tblVehicleEF	MHD	0.06	8.8360e-003
tblVehicleEF	MHD	0.29	0.28

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	MHD	0.49	0.68
tblVehicleEF	MHD	6.20	1.04
tblVehicleEF	MHD	166.94	74.24
tblVehicleEF	MHD	1,102.10	1,047.07
tblVehicleEF	MHD	54.49	8.61
tblVehicleEF	MHD	1.02	0.69
tblVehicleEF	MHD	1.57	2.50
tblVehicleEF	MHD	2.3620e-003	2.0900e-003
tblVehicleEF	MHD	0.04	0.08
tblVehicleEF	MHD	8.7800e-004	1.1500e-004
tblVehicleEF	MHD	2.2590e-003	1.9990e-003
tblVehicleEF	MHD	0.04	0.08
tblVehicleEF	MHD	8.0700e-004	1.0600e-004
tblVehicleEF	MHD	3.1650e-003	1.5010e-003
tblVehicleEF	MHD	0.06	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.8350e-003	8.6900e-004
tblVehicleEF	MHD	0.08	0.13
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.38	0.05
tblVehicleEF	MHD	1.6030e-003	7.0400e-004
tblVehicleEF	MHD	0.01	9.9770e-003
tblVehicleEF	MHD	6.5400e-004	8.5000e-005
tblVehicleEF	MHD	3.1650e-003	1.5010e-003
tblVehicleEF	MHD	0.06	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	1.8350e-003	8.6900e-004

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	MHD	0.09	0.15
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.42	0.05
tblVehicleEF	MHD	0.02	3.5160e-003
tblVehicleEF	MHD	6.5300e-003	7.4460e-003
tblVehicleEF	MHD	0.06	9.1670e-003
tblVehicleEF	MHD	0.56	0.43
tblVehicleEF	MHD	0.48	0.68
tblVehicleEF	MHD	6.52	1.09
tblVehicleEF	MHD	144.70	70.46
tblVehicleEF	MHD	1,102.10	1,047.06
tblVehicleEF	MHD	54.49	8.70
tblVehicleEF	MHD	0.94	0.66
tblVehicleEF	MHD	1.64	2.61
tblVehicleEF	MHD	3.4090e-003	3.0090e-003
tblVehicleEF	MHD	0.04	0.08
tblVehicleEF	MHD	8.7800e-004	1.1500e-004
tblVehicleEF	MHD	3.2610e-003	2.8790e-003
tblVehicleEF	MHD	0.04	0.08
tblVehicleEF	MHD	8.0700e-004	1.0600e-004
tblVehicleEF	MHD	1.7730e-003	8.4100e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.6800e-004	3.6200e-004
tblVehicleEF	MHD	0.08	0.13
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.40	0.05

## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	MHD	1.3930e-003	6.6800e-004
tblVehicleEF	MHD	0.01	9.9770e-003
tblVehicleEF	MHD	6.5900e-004	8.6000e-005
tblVehicleEF	MHD	1.7730e-003	8.4100e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.6800e-004	3.6200e-004
tblVehicleEF	MHD	0.09	0.15
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.43	0.05
tblVehicleEF	OBUS	0.01	9.4880e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.27	0.49
tblVehicleEF	OBUS	0.84	1.38
tblVehicleEF	OBUS	7.08	2.89
tblVehicleEF	OBUS	69.66	68.94
tblVehicleEF	OBUS	1,125.58	1,531.86
tblVehicleEF	OBUS	71.49	22.61
tblVehicleEF	OBUS	0.36	0.44
tblVehicleEF	OBUS	1.31	1.73
tblVehicleEF	OBUS	1.6600e-004	2.0970e-003
tblVehicleEF	OBUS	6.3680e-003	0.03
tblVehicleEF	OBUS	9.0100e-004	2.3900e-004
tblVehicleEF	OBUS	1.5900e-004	2.0060e-003
tblVehicleEF	OBUS	6.0730e-003	0.03
tblVehicleEF	OBUS	8.2900e-004	2.2000e-004

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	OBUS	2.2890e-003	2.8330e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	9.6000e-004	1.1430e-003
tblVehicleEF	OBUS	0.05	0.10
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.44	0.14
tblVehicleEF	OBUS	6.7700e-004	6.5900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.3900e-004	2.2400e-004
tblVehicleEF	OBUS	2.2890e-003	2.8330e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.6000e-004	1.1430e-003
tblVehicleEF	OBUS	0.07	0.13
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.48	0.15
tblVehicleEF	OBUS	0.01	9.5010e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.26	0.46
tblVehicleEF	OBUS	0.86	1.41
tblVehicleEF	OBUS	6.48	2.65
tblVehicleEF	OBUS	72.76	69.63
tblVehicleEF	OBUS	1,125.58	1,531.92
tblVehicleEF	OBUS	71.49	22.21
tblVehicleEF	OBUS	0.37	0.44

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	OBUS	1.21	1.60
tblVehicleEF	OBUS	1.4000e-004	1.7700e-003
tblVehicleEF	OBUS	6.3680e-003	0.03
tblVehicleEF	OBUS	9.0100e-004	2.3900e-004
tblVehicleEF	OBUS	1.3400e-004	1.6940e-003
tblVehicleEF	OBUS	6.0730e-003	0.03
tblVehicleEF	OBUS	8.2900e-004	2.2000e-004
tblVehicleEF	OBUS	4.4650e-003	5.5400e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	2.2300e-003	2.6720e-003
tblVehicleEF	OBUS	0.06	0.10
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.41	0.13
tblVehicleEF	OBUS	7.0700e-004	6.6500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2900e-004	2.2000e-004
tblVehicleEF	OBUS	4.4650e-003	5.5400e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.2300e-003	2.6720e-003
tblVehicleEF	OBUS	0.07	0.13
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.45	0.15
tblVehicleEF	OBUS	0.01	9.5070e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03

## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	OBUS	0.29	0.52
tblVehicleEF	OBUS	0.84	1.38
tblVehicleEF	OBUS	7.02	2.87
tblVehicleEF	OBUS	65.38	68.00
tblVehicleEF	OBUS	1,125.58	1,531.87
tblVehicleEF	OBUS	71.49	22.58
tblVehicleEF	OBUS	0.35	0.44
tblVehicleEF	OBUS	1.28	1.70
tblVehicleEF	OBUS	2.0300e-004	2.5470e-003
tblVehicleEF	OBUS	6.3680e-003	0.03
tblVehicleEF	OBUS	9.0100e-004	2.3900e-004
tblVehicleEF	OBUS	1.9400e-004	2.4370e-003
tblVehicleEF	OBUS	6.0730e-003	0.03
tblVehicleEF	OBUS	8.2900e-004	2.2000e-004
tblVehicleEF	OBUS	2.4760e-003	3.1080e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	9.7500e-004	1.1620e-003
tblVehicleEF	OBUS	0.05	0.10
tblVehicleEF	OBUS	0.06	0.33
tblVehicleEF	OBUS	0.44	0.14
tblVehicleEF	OBUS	6.3600e-004	6.5000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.3800e-004	2.2300e-004
tblVehicleEF	OBUS	2.4760e-003	3.1080e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07



## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	OBUS	9.7500e-004	1.1620e-003
tblVehicleEF	OBUS	0.07	0.13
tblVehicleEF	OBUS	0.06	0.33
tblVehicleEF	OBUS	0.48	0.15
tblVehicleEF	SBUS	0.87	0.04
tblVehicleEF	SBUS	0.01	7.8850e-003
tblVehicleEF	SBUS	0.08	3.7580e-003
tblVehicleEF	SBUS	5.54	1.74
tblVehicleEF	SBUS	0.77	0.66
tblVehicleEF	SBUS	5.64	0.52
tblVehicleEF	SBUS	1,282.62	337.41
tblVehicleEF	SBUS	1,152.18	1,158.46
tblVehicleEF	SBUS	35.03	3.01
tblVehicleEF	SBUS	13.20	3.54
tblVehicleEF	SBUS	5.57	5.66
tblVehicleEF	SBUS	0.02	4.9280e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0700e-004	2.8000e-005
tblVehicleEF	SBUS	0.01	4.7150e-003
tblVehicleEF	SBUS	2.7710e-003	2.7830e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	4.6600e-004	2.6000e-005
tblVehicleEF	SBUS	3.3280e-003	7.8600e-004
tblVehicleEF	SBUS	0.02	5.8070e-003
tblVehicleEF	SBUS	0.67	0.18
tblVehicleEF	SBUS	1.3510e-003	3.4400e-004

## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.29	0.02
tblVehicleEF	SBUS	0.01	3.2060e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.4800e-004	3.0000e-005
tblVehicleEF	SBUS	3.3280e-003	7.8600e-004
tblVehicleEF	SBUS	0.02	5.8070e-003
tblVehicleEF	SBUS	0.95	0.26
tblVehicleEF	SBUS	1.3510e-003	3.4400e-004
tblVehicleEF	SBUS	0.15	0.13
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	0.87	0.04
tblVehicleEF	SBUS	0.01	7.9830e-003
tblVehicleEF	SBUS	0.06	3.1210e-003
tblVehicleEF	SBUS	5.38	1.70
tblVehicleEF	SBUS	0.78	0.67
tblVehicleEF	SBUS	3.86	0.37
tblVehicleEF	SBUS	1,348.56	346.48
tblVehicleEF	SBUS	1,152.18	1,158.48
tblVehicleEF	SBUS	35.03	2.75
tblVehicleEF	SBUS	13.63	3.62
tblVehicleEF	SBUS	5.22	5.31
tblVehicleEF	SBUS	0.01	4.1620e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	SBUS	5.0700e-004	2.8000e-005
tblVehicleEF	SBUS	0.01	3.9820e-003
tblVehicleEF	SBUS	2.7710e-003	2.7830e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	4.6600e-004	2.6000e-005
tblVehicleEF	SBUS	6.4210e-003	1.4060e-003
tblVehicleEF	SBUS	0.03	6.2120e-003
tblVehicleEF	SBUS	0.66	0.18
tblVehicleEF	SBUS	3.0640e-003	6.6900e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.24	0.02
tblVehicleEF	SBUS	0.01	3.2910e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.1800e-004	2.7000e-005
tblVehicleEF	SBUS	6.4210e-003	1.4060e-003
tblVehicleEF	SBUS	0.03	6.2120e-003
tblVehicleEF	SBUS	0.95	0.26
tblVehicleEF	SBUS	3.0640e-003	6.6900e-004
tblVehicleEF	SBUS	0.15	0.13
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.26	0.02
tblVehicleEF	SBUS	0.88	0.04
tblVehicleEF	SBUS	0.01	7.8800e-003
tblVehicleEF	SBUS	0.08	3.8540e-003
tblVehicleEF	SBUS	5.77	1.80
tblVehicleEF	SBUS	0.77	0.66

## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	SBUS	5.69	0.54
tblVehicleEF	SBUS	1,191.56	324.88
tblVehicleEF	SBUS	1,152.18	1,158.46
tblVehicleEF	SBUS	35.03	3.04
tblVehicleEF	SBUS	12.62	3.43
tblVehicleEF	SBUS	5.48	5.57
tblVehicleEF	SBUS	0.02	5.9860e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0700e-004	2.8000e-005
tblVehicleEF	SBUS	0.02	5.7270e-003
tblVehicleEF	SBUS	2.7710e-003	2.7830e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	4.6600e-004	2.6000e-005
tblVehicleEF	SBUS	3.5990e-003	8.1900e-004
tblVehicleEF	SBUS	0.03	6.4950e-003
tblVehicleEF	SBUS	0.67	0.18
tblVehicleEF	SBUS	1.3510e-003	3.5700e-004
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.30	0.02
tblVehicleEF	SBUS	0.01	3.0870e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.4900e-004	3.0000e-005
tblVehicleEF	SBUS	3.5990e-003	8.1900e-004
tblVehicleEF	SBUS	0.03	6.4950e-003
tblVehicleEF	SBUS	0.96	0.26

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	SBUS	1.3510e-003	3.5700e-004
tblVehicleEF	SBUS	0.15	0.13
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.33	0.02
tblVehicleEF	UBUS	2.06	4.21
tblVehicleEF	UBUS	0.09	0.02
tblVehicleEF	UBUS	10.29	32.46
tblVehicleEF	UBUS	15.37	1.48
tblVehicleEF	UBUS	1,878.06	1,734.42
tblVehicleEF	UBUS	133.67	17.53
tblVehicleEF	UBUS	7.05	0.44
tblVehicleEF	UBUS	0.53	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.08	2.6710e-003
tblVehicleEF	UBUS	1.3540e-003	1.5800e-004
tblVehicleEF	UBUS	0.23	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.08	2.5430e-003
tblVehicleEF	UBUS	1.2450e-003	1.4500e-004
tblVehicleEF	UBUS	8.7400e-003	1.5800e-003
tblVehicleEF	UBUS	0.13	9.1420e-003
tblVehicleEF	UBUS	4.1930e-003	6.5600e-004
tblVehicleEF	UBUS	0.72	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.23	0.07
tblVehicleEF	UBUS	0.01	4.0080e-003
tblVehicleEF	UBUS	1.6160e-003	1.7300e-004

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	UBUS	8.7400e-003	1.5800e-003
tblVehicleEF	UBUS	0.13	9.1420e-003
tblVehicleEF	UBUS	4.1930e-003	6.5600e-004
tblVehicleEF	UBUS	2.85	4.31
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.34	0.08
tblVehicleEF	UBUS	2.07	4.21
tblVehicleEF	UBUS	0.08	0.02
tblVehicleEF	UBUS	10.40	32.46
tblVehicleEF	UBUS	12.59	1.21
tblVehicleEF	UBUS	1,878.06	1,734.42
tblVehicleEF	UBUS	133.67	17.09
tblVehicleEF	UBUS	6.56	0.44
tblVehicleEF	UBUS	0.53	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.08	2.6710e-003
tblVehicleEF	UBUS	1.3540e-003	1.5800e-004
tblVehicleEF	UBUS	0.23	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.08	2.5430e-003
tblVehicleEF	UBUS	1.2450e-003	1.4500e-004
tblVehicleEF	UBUS	0.02	3.0300e-003
tblVehicleEF	UBUS	0.16	0.01
tblVehicleEF	UBUS	9.9910e-003	1.5490e-003
tblVehicleEF	UBUS	0.73	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.09	0.06

## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleEF	UBUS	0.01	4.0080e-003
tblVehicleEF	UBUS	1.5680e-003	1.6900e-004
tblVehicleEF	UBUS	0.02	3.0300e-003
tblVehicleEF	UBUS	0.16	0.01
tblVehicleEF	UBUS	9.9910e-003	1.5490e-003
tblVehicleEF	UBUS	2.87	4.31
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.20	0.07
tblVehicleEF	UBUS	2.06	4.21
tblVehicleEF	UBUS	0.09	0.02
tblVehicleEF	UBUS	10.30	32.46
tblVehicleEF	UBUS	14.85	1.44
tblVehicleEF	UBUS	1,878.06	1,734.42
tblVehicleEF	UBUS	133.67	17.48
tblVehicleEF	UBUS	6.92	0.44
tblVehicleEF	UBUS	0.53	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.08	2.6710e-003
tblVehicleEF	UBUS	1.3540e-003	1.5800e-004
tblVehicleEF	UBUS	0.23	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.08	2.5430e-003
tblVehicleEF	UBUS	1.2450e-003	1.4500e-004
tblVehicleEF	UBUS	0.01	1.6780e-003
tblVehicleEF	UBUS	0.16	0.01
tblVehicleEF	UBUS	4.4110e-003	6.4600e-004
tblVehicleEF	UBUS	0.72	0.07





Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWater	IndoorWaterUseRate	7,645,125.00	0.00
tblWater	IndoorWaterUseRate	30,585,125.00	0.00

**2.0 Emissions Summary**

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Kaiser Commerce Center (Construction - Unmitigated) - 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	3.8174	5.2000e-004	0.0562	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.2000e-004		0.1276
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>3.8174</b>	<b>5.2000e-004</b>	<b>0.0562</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>2.0000e-004</b>	<b>2.0000e-004</b>		<b>0.1196</b>	<b>0.1196</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>0.1276</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	3.8174	5.2000e-004	0.0562	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.2000e-004		0.1276
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>3.8174</b>	<b>5.2000e-004</b>	<b>0.0562</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>2.0000e-004</b>	<b>2.0000e-004</b>		<b>0.1196</b>	<b>0.1196</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>0.1276</b>

Kaiser Commerce Center (Construction - Unmitigated) - 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	Demolition	Demolition	5/4/2020	7/24/2020	5	60	
2	Site Preparation	Site Preparation	7/25/2020	8/7/2020	5	10	
3	Grading	Grading	8/8/2020	9/18/2020	5	30	
4	Building Construction	Building Construction	9/19/2020	12/25/2020	5	70	
5	Paving	Paving	11/28/2020	12/25/2020	5	20	
6	Architectural Coating	Architectural Coating	11/28/2020	12/25/2020	5	20	

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 90

Acres of Paving: 6.33

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 247,986; Non-Residential Outdoor: 82,662; Striped Parking Area: 16,565 (Architectural Coating – sqft)

#### OffRoad Equipment

## Kaiser Commerce Center (Construction - Unmitigated) - 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	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	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	8.00	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	8.00	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	8.00	78	0.48

Trips and VMT

Kaiser Commerce Center (Construction - Unmitigated) - 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	6	15.00	0.00	910.00	14.70	6.90	20.00	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	3,135.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	185.00	72.00	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	37.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

**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					3.2834	0.0000	3.2834	0.4971	0.0000	0.4971			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
<b>Total</b>	<b>3.3121</b>	<b>33.2010</b>	<b>21.7532</b>	<b>0.0388</b>	<b>3.2834</b>	<b>1.6587</b>	<b>4.9421</b>	<b>0.4971</b>	<b>1.5419</b>	<b>2.0390</b>		<b>3,747.7049</b>	<b>3,747.7049</b>	<b>1.0580</b>		<b>3,774.1536</b>

Kaiser Commerce Center (Construction - Unmitigated) - 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	0.0942	3.7361	0.5513	0.0119	0.2654	0.0111	0.2766	0.0728	0.0107	0.0834		1,262.9406	1,262.9406	0.0682		1,264.6445
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	0.0819	0.0525	0.6746	1.7000e-003	0.1677	1.1000e-003	0.1688	0.0445	1.0100e-003	0.0455		169.5126	169.5126	5.1700e-003		169.6420
<b>Total</b>	<b>0.1761</b>	<b>3.7887</b>	<b>1.2259</b>	<b>0.0136</b>	<b>0.4331</b>	<b>0.0122</b>	<b>0.4453</b>	<b>0.1172</b>	<b>0.0117</b>	<b>0.1289</b>		<b>1,432.4532</b>	<b>1,432.4532</b>	<b>0.0733</b>		<b>1,434.2865</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					1.2805	0.0000	1.2805	0.1939	0.0000	0.1939			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
<b>Total</b>	<b>3.3121</b>	<b>33.2010</b>	<b>21.7532</b>	<b>0.0388</b>	<b>1.2805</b>	<b>1.6587</b>	<b>2.9392</b>	<b>0.1939</b>	<b>1.5419</b>	<b>1.7357</b>	<b>0.0000</b>	<b>3,747.7049</b>	<b>3,747.7049</b>	<b>1.0580</b>		<b>3,774.1536</b>

Kaiser Commerce Center (Construction - Unmitigated) - 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	0.0942	3.7361	0.5513	0.0119	0.2654	0.0111	0.2766	0.0728	0.0107	0.0834		1,262.9406	1,262.9406	0.0682		1,264.6445
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	0.0819	0.0525	0.6746	1.7000e-003	0.1677	1.1000e-003	0.1688	0.0445	1.0100e-003	0.0455		169.5126	169.5126	5.1700e-003		169.6420
<b>Total</b>	<b>0.1761</b>	<b>3.7887</b>	<b>1.2259</b>	<b>0.0136</b>	<b>0.4331</b>	<b>0.0122</b>	<b>0.4453</b>	<b>0.1172</b>	<b>0.0117</b>	<b>0.1289</b>		<b>1,432.4532</b>	<b>1,432.4532</b>	<b>0.0733</b>		<b>1,434.2865</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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			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>19.6570</b>	<b>2.1974</b>	<b>21.8544</b>	<b>10.1025</b>	<b>2.0216</b>	<b>12.1241</b>		<b>3,685.1016</b>	<b>3,685.1016</b>	<b>1.1918</b>		<b>3,714.8975</b>



Kaiser Commerce Center (Construction - Unmitigated) - 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					7.6662	0.0000	7.6662	3.9400	0.0000	3.9400			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>7.6662</b>	<b>2.1974</b>	<b>9.8636</b>	<b>3.9400</b>	<b>2.0216</b>	<b>5.9616</b>	<b>0.0000</b>	<b>3,685.1016</b>	<b>3,685.1016</b>	<b>1.1918</b>		<b>3,714.8975</b>

Kaiser Commerce Center (Construction - Unmitigated) - 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	0.2012	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>

**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					9.2981	0.0000	9.2981	3.6681	0.0000	3.6681			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>9.2981</b>	<b>2.1739</b>	<b>11.4720</b>	<b>3.6681</b>	<b>2.0000</b>	<b>5.6681</b>		<b>6,005.8653</b>	<b>6,005.8653</b>	<b>1.9424</b>		<b>6,054.4257</b>

Kaiser Commerce Center (Construction - Unmitigated) - 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	0.6492	25.7424	3.7987	0.0820	1.8288	0.0767	1.9055	0.5014	0.0734	0.5748		8,701.7995	8,701.7995	0.4696		8,713.5397
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>0.7583</b>	<b>25.8124</b>	<b>4.6981</b>	<b>0.0843</b>	<b>2.0524</b>	<b>0.0782</b>	<b>2.1306</b>	<b>0.5607</b>	<b>0.0747</b>	<b>0.6354</b>		<b>8,927.8164</b>	<b>8,927.8164</b>	<b>0.4765</b>		<b>8,939.7290</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					3.6263	0.0000	3.6263	1.4306	0.0000	1.4306			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>3.6263</b>	<b>2.1739</b>	<b>5.8002</b>	<b>1.4306</b>	<b>2.0000</b>	<b>3.4305</b>	<b>0.0000</b>	<b>6,005.8653</b>	<b>6,005.8653</b>	<b>1.9424</b>		<b>6,054.4257</b>

Kaiser Commerce Center (Construction - Unmitigated) - 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	0.6492	25.7424	3.7987	0.0820	1.8288	0.0767	1.9055	0.5014	0.0734	0.5748		8,701.7995	8,701.7995	0.4696		8,713.5397
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>0.7583</b>	<b>25.8124</b>	<b>4.6981</b>	<b>0.0843</b>	<b>2.0524</b>	<b>0.0782</b>	<b>2.1306</b>	<b>0.5607</b>	<b>0.0747</b>	<b>0.6354</b>		<b>8,927.8164</b>	<b>8,927.8164</b>	<b>0.4765</b>		<b>8,939.7290</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	2.2551	20.6494	17.9678	0.0288		1.1948	1.1948		1.1218	1.1218		2,735.6999	2,735.6999	0.6819		2,752.7481
<b>Total</b>	<b>2.2551</b>	<b>20.6494</b>	<b>17.9678</b>	<b>0.0288</b>		<b>1.1948</b>	<b>1.1948</b>		<b>1.1218</b>	<b>1.1218</b>		<b>2,735.6999</b>	<b>2,735.6999</b>	<b>0.6819</b>		<b>2,752.7481</b>

Kaiser Commerce Center (Construction - Unmitigated) - 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	0.2186	7.5981	1.4808	0.0195	0.4612	0.0350	0.4961	0.1328	0.0335	0.1662		2,059.9300	2,059.9300	0.1338		2,063.2749
Worker	1.0097	0.6480	8.3199	0.0210	2.0679	0.0136	2.0814	0.5484	0.0125	0.5609		2,090.6556	2,090.6556	0.0638		2,092.2512
<b>Total</b>	<b>1.2283</b>	<b>8.2461</b>	<b>9.8007</b>	<b>0.0405</b>	<b>2.5290</b>	<b>0.0485</b>	<b>2.5775</b>	<b>0.6812</b>	<b>0.0459</b>	<b>0.7271</b>		<b>4,150.5856</b>	<b>4,150.5856</b>	<b>0.1976</b>		<b>4,155.5261</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	2.2551	20.6494	17.9678	0.0288		1.1948	1.1948		1.1218	1.1218	0.0000	2,735.6999	2,735.6999	0.6819		2,752.7481
<b>Total</b>	<b>2.2551</b>	<b>20.6494</b>	<b>17.9678</b>	<b>0.0288</b>		<b>1.1948</b>	<b>1.1948</b>		<b>1.1218</b>	<b>1.1218</b>	<b>0.0000</b>	<b>2,735.6999</b>	<b>2,735.6999</b>	<b>0.6819</b>		<b>2,752.7481</b>

Kaiser Commerce Center (Construction - Unmitigated) - 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	0.2186	7.5981	1.4808	0.0195	0.4612	0.0350	0.4961	0.1328	0.0335	0.1662		2,059.9300	2,059.9300	0.1338		2,063.2749
Worker	1.0097	0.6480	8.3199	0.0210	2.0679	0.0136	2.0814	0.5484	0.0125	0.5609		2,090.6556	2,090.6556	0.0638		2,092.2512
<b>Total</b>	<b>1.2283</b>	<b>8.2461</b>	<b>9.8007</b>	<b>0.0405</b>	<b>2.5290</b>	<b>0.0485</b>	<b>2.5775</b>	<b>0.6812</b>	<b>0.0459</b>	<b>0.7271</b>		<b>4,150.5856</b>	<b>4,150.5856</b>	<b>0.1976</b>		<b>4,155.5261</b>

**3.6 Paving - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.6301					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.9867</b>	<b>14.0656</b>	<b>14.6521</b>	<b>0.0228</b>		<b>0.7528</b>	<b>0.7528</b>		<b>0.6926</b>	<b>0.6926</b>		<b>2,207.7334</b>	<b>2,207.7334</b>	<b>0.7140</b>		<b>2,225.5841</b>

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

**3.6 Paving - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0819	0.0525	0.6746	1.7000e-003	0.1677	1.1000e-003	0.1688	0.0445	1.0100e-003	0.0455		169.5126	169.5126	5.1700e-003		169.6420
<b>Total</b>	<b>0.0819</b>	<b>0.0525</b>	<b>0.6746</b>	<b>1.7000e-003</b>	<b>0.1677</b>	<b>1.1000e-003</b>	<b>0.1688</b>	<b>0.0445</b>	<b>1.0100e-003</b>	<b>0.0455</b>		<b>169.5126</b>	<b>169.5126</b>	<b>5.1700e-003</b>		<b>169.6420</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	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.6301					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.9867</b>	<b>14.0656</b>	<b>14.6521</b>	<b>0.0228</b>		<b>0.7528</b>	<b>0.7528</b>		<b>0.6926</b>	<b>0.6926</b>	<b>0.0000</b>	<b>2,207.7334</b>	<b>2,207.7334</b>	<b>0.7140</b>		<b>2,225.5841</b>

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

**3.6 Paving - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0819	0.0525	0.6746	1.7000e-003	0.1677	1.1000e-003	0.1688	0.0445	1.0100e-003	0.0455		169.5126	169.5126	5.1700e-003		169.6420
<b>Total</b>	<b>0.0819</b>	<b>0.0525</b>	<b>0.6746</b>	<b>1.7000e-003</b>	<b>0.1677</b>	<b>1.1000e-003</b>	<b>0.1688</b>	<b>0.0445</b>	<b>1.0100e-003</b>	<b>0.0455</b>		<b>169.5126</b>	<b>169.5126</b>	<b>5.1700e-003</b>		<b>169.6420</b>

**3.7 Architectural Coating - 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					
Archit. Coating	42.1528					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3229	2.2451	2.4419	3.9600e-003		0.1479	0.1479		0.1479	0.1479		375.2641	375.2641	0.0291		375.9904
<b>Total</b>	<b>42.4757</b>	<b>2.2451</b>	<b>2.4419</b>	<b>3.9600e-003</b>		<b>0.1479</b>	<b>0.1479</b>		<b>0.1479</b>	<b>0.1479</b>		<b>375.2641</b>	<b>375.2641</b>	<b>0.0291</b>		<b>375.9904</b>



Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

**3.7 Architectural Coating - 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	0.2019	0.1296	1.6640	4.2000e-003	0.4136	2.7100e-003	0.4163	0.1097	2.5000e-003	0.1122		418.1311	418.1311	0.0128		418.4502
<b>Total</b>	<b>0.2019</b>	<b>0.1296</b>	<b>1.6640</b>	<b>4.2000e-003</b>	<b>0.4136</b>	<b>2.7100e-003</b>	<b>0.4163</b>	<b>0.1097</b>	<b>2.5000e-003</b>	<b>0.1122</b>		<b>418.1311</b>	<b>418.1311</b>	<b>0.0128</b>		<b>418.4502</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	42.1528					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3229	2.2451	2.4419	3.9600e-003		0.1479	0.1479		0.1479	0.1479	0.0000	375.2641	375.2641	0.0291		375.9904
<b>Total</b>	<b>42.4757</b>	<b>2.2451</b>	<b>2.4419</b>	<b>3.9600e-003</b>		<b>0.1479</b>	<b>0.1479</b>		<b>0.1479</b>	<b>0.1479</b>	<b>0.0000</b>	<b>375.2641</b>	<b>375.2641</b>	<b>0.0291</b>		<b>375.9904</b>

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

**3.7 Architectural Coating - 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	0.2019	0.1296	1.6640	4.2000e-003	0.4136	2.7100e-003	0.4163	0.1097	2.5000e-003	0.1122		418.1311	418.1311	0.0128		418.4502
<b>Total</b>	<b>0.2019</b>	<b>0.1296</b>	<b>1.6640</b>	<b>4.2000e-003</b>	<b>0.4136</b>	<b>2.7100e-003</b>	<b>0.4163</b>	<b>0.1097</b>	<b>2.5000e-003</b>	<b>0.1122</b>		<b>418.1311</b>	<b>418.1311</b>	<b>0.0128</b>		<b>418.4502</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Kaiser Commerce Center (Construction - Unmitigated) - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	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	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

Kaiser Commerce Center (Construction - Unmitigated) - 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
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
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
Refrigerated Warehouse-No Rail	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	0.546179	0.037976	0.179086	0.122965	0.018430	0.005460	0.017497	0.061396	0.001337	0.001657	0.006117	0.000817	0.001082

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Kaiser Commerce Center (Construction - Unmitigated) - 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					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Kaiser Commerce Center (Construction - Unmitigated) - 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					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Kaiser Commerce Center (Construction - Unmitigated) - 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	3.8174	5.2000e-004	0.0562	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.2000e-004		0.1276
Unmitigated	3.8174	5.2000e-004	0.0562	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.2000e-004		0.1276

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	0.4409					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.3712					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.2800e-003	5.2000e-004	0.0562	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.2000e-004		0.1276
<b>Total</b>	<b>3.8174</b>	<b>5.2000e-004</b>	<b>0.0562</b>	<b>0.0000</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>		<b>0.1196</b>	<b>0.1196</b>	<b>3.2000e-004</b>		<b>0.1276</b>

Kaiser Commerce Center (Construction - Unmitigated) - 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	0.4409					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.3712					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.2800e-003	5.2000e-004	0.0562	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.2000e-004		0.1276
<b>Total</b>	<b>3.8174</b>	<b>5.2000e-004</b>	<b>0.0562</b>	<b>0.0000</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>		<b>0.1196</b>	<b>0.1196</b>	<b>3.2000e-004</b>		<b>0.1276</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

Fire Pumps and Emergency Generators



Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

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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Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

**Kaiser Commerce Center (Construction - Unmitigated)**  
**San Bernardino-South Coast County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	33.07	1000sqft	0.76	33,065.00	0
Unrefrigerated Warehouse-No Rail	132.26	1000sqft	3.04	132,259.00	0
Other Asphalt Surfaces	139.85	1000sqft	3.21	139,847.00	0
Other Non-Asphalt Surfaces	66.24	1000sqft	1.52	66,235.00	0
Parking Lot	175.00	Space	1.60	70,000.00	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>	702.44	<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**

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

Project Characteristics -

Land Use - Total Project Area is 10.13 acres.

Construction Phase - Construction Schedule adjusted to meet the 2020 Opening Year

Off-road Equipment - Hours are based on an 8-hour workday.

Off-road Equipment - Hours are based on an 8-hour workday.

Off-road Equipment -

Demolition -

Grading - For purposes of analysis, total acres graded per day is based on the equipment specific grading rates (CalEEMod Appendix A) and the equipment list.

Architectural Coating - Rule 1113

Vehicle Trips - Construction Run Only.

Energy Use - Construction Run Only.

Water And Wastewater - Construction Run Only.

Solid Waste - Construction Run Only.

Construction Off-road Equipment Mitigation - Rule 403

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	300.00	70.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	2.37	0.00
tblEnergyUse	LightingElect	1.17	0.00
tblEnergyUse	NT24E	36.52	0.00

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblEnergyUse	NT24E	0.82	0.00
tblEnergyUse	NT24NG	48.51	0.00
tblEnergyUse	NT24NG	0.03	0.00
tblEnergyUse	T24E	1.06	0.00
tblEnergyUse	T24E	0.37	0.00
tblEnergyUse	T24NG	3.25	0.00
tblEnergyUse	T24NG	2.00	0.00
tblGrading	AcresOfGrading	75.00	90.00
tblGrading	AcresOfGrading	0.00	15.00
tblGrading	MaterialImported	0.00	25,077.00
tblLandUse	LotAcreage	1.57	1.60
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	31.08	0.00
tblSolidWaste	SolidWasteGenerationRate	124.32	0.00
tblVehicleEF	HHD	1.26	0.03
tblVehicleEF	HHD	0.04	0.06
tblVehicleEF	HHD	0.13	0.00
tblVehicleEF	HHD	3.65	7.49
tblVehicleEF	HHD	0.59	0.57
tblVehicleEF	HHD	2.11	2.5880e-003
tblVehicleEF	HHD	7,044.09	1,448.69
tblVehicleEF	HHD	1,507.82	1,437.97
tblVehicleEF	HHD	6.10	0.03
tblVehicleEF	HHD	29.67	7.68
tblVehicleEF	HHD	3.22	3.64

## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	7.6000e-005	1.0000e-006
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8830e-003	8.9180e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	7.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.0700e-004	5.0000e-006
tblVehicleEF	HHD	4.2590e-003	1.5400e-004
tblVehicleEF	HHD	0.94	0.60
tblVehicleEF	HHD	6.5000e-005	3.0000e-006
tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	2.9100e-004	7.7100e-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	5.0000e-006
tblVehicleEF	HHD	4.2590e-003	1.5400e-004
tblVehicleEF	HHD	1.08	0.69
tblVehicleEF	HHD	6.5000e-005	3.0000e-006
tblVehicleEF	HHD	0.14	0.18
tblVehicleEF	HHD	2.9100e-004	7.7100e-004
tblVehicleEF	HHD	0.08	1.0000e-006

## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	HHD	1.19	0.03
tblVehicleEF	HHD	0.04	0.06
tblVehicleEF	HHD	0.12	0.00
tblVehicleEF	HHD	2.66	7.32
tblVehicleEF	HHD	0.59	0.57
tblVehicleEF	HHD	1.99	2.4340e-003
tblVehicleEF	HHD	7,457.73	1,444.52
tblVehicleEF	HHD	1,507.82	1,437.97
tblVehicleEF	HHD	6.10	0.03
tblVehicleEF	HHD	30.61	7.46
tblVehicleEF	HHD	3.03	3.42
tblVehicleEF	HHD	0.01	0.02
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	7.6000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	0.02
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8830e-003	8.9180e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	7.0000e-005	1.0000e-006
tblVehicleEF	HHD	2.1400e-004	1.0000e-005
tblVehicleEF	HHD	4.8950e-003	1.8100e-004
tblVehicleEF	HHD	0.89	0.63
tblVehicleEF	HHD	1.5100e-004	7.0000e-006
tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	2.9900e-004	7.9700e-004

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

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	1.0000e-005
tblVehicleEF	HHD	4.8950e-003	1.8100e-004
tblVehicleEF	HHD	1.02	0.72
tblVehicleEF	HHD	1.5100e-004	7.0000e-006
tblVehicleEF	HHD	0.14	0.18
tblVehicleEF	HHD	2.9900e-004	7.9700e-004
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	1.36	0.03
tblVehicleEF	HHD	0.04	4.6710e-003
tblVehicleEF	HHD	0.13	0.00
tblVehicleEF	HHD	5.01	7.66
tblVehicleEF	HHD	0.59	0.43
tblVehicleEF	HHD	2.07	2.5600e-003
tblVehicleEF	HHD	6,472.88	1,440.00
tblVehicleEF	HHD	1,507.82	1,397.78
tblVehicleEF	HHD	6.10	0.03
tblVehicleEF	HHD	28.37	7.90
tblVehicleEF	HHD	3.17	3.54
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	7.6000e-005	1.0000e-006

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8830e-003	8.8180e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	7.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.1000e-004	5.0000e-006
tblVehicleEF	HHD	4.8700e-003	1.8200e-004
tblVehicleEF	HHD	1.01	0.57
tblVehicleEF	HHD	6.4000e-005	3.0000e-006
tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	3.1000e-004	8.0600e-004
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	5.0000e-006
tblVehicleEF	HHD	4.8700e-003	1.8200e-004
tblVehicleEF	HHD	1.16	0.65
tblVehicleEF	HHD	6.4000e-005	3.0000e-006
tblVehicleEF	HHD	0.14	0.11
tblVehicleEF	HHD	3.1000e-004	8.0600e-004
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	LDA	5.1540e-003	3.2100e-003
tblVehicleEF	LDA	7.4770e-003	0.06
tblVehicleEF	LDA	0.66	0.77
tblVehicleEF	LDA	1.48	2.29
tblVehicleEF	LDA	271.76	276.68



## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	LDA	61.36	57.07
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	1.7360e-003	1.5890e-003
tblVehicleEF	LDA	2.3270e-003	2.0370e-003
tblVehicleEF	LDA	1.6000e-003	1.4630e-003
tblVehicleEF	LDA	2.1400e-003	1.8730e-003
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.10	0.28
tblVehicleEF	LDA	2.7220e-003	2.7370e-003
tblVehicleEF	LDA	6.3900e-004	5.6500e-004
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.11	0.30
tblVehicleEF	LDA	5.8790e-003	3.6760e-003
tblVehicleEF	LDA	6.2340e-003	0.05
tblVehicleEF	LDA	0.81	0.94
tblVehicleEF	LDA	1.22	1.90
tblVehicleEF	LDA	297.40	302.23
tblVehicleEF	LDA	61.36	56.31
tblVehicleEF	LDA	0.06	0.05

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	LDA	1.7360e-003	1.5890e-003
tblVehicleEF	LDA	2.3270e-003	2.0370e-003
tblVehicleEF	LDA	1.6000e-003	1.4630e-003
tblVehicleEF	LDA	2.1400e-003	1.8730e-003
tblVehicleEF	LDA	0.11	0.15
tblVehicleEF	LDA	0.14	0.14
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.08	0.23
tblVehicleEF	LDA	2.9810e-003	2.9900e-003
tblVehicleEF	LDA	6.3500e-004	5.5700e-004
tblVehicleEF	LDA	0.11	0.15
tblVehicleEF	LDA	0.14	0.14
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.09	0.25
tblVehicleEF	LDA	5.0060e-003	3.1310e-003
tblVehicleEF	LDA	7.4230e-003	0.06
tblVehicleEF	LDA	0.62	0.73
tblVehicleEF	LDA	1.46	2.25
tblVehicleEF	LDA	265.71	270.69
tblVehicleEF	LDA	61.36	57.01
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	1.7360e-003	1.5890e-003
tblVehicleEF	LDA	2.3270e-003	2.0370e-003

## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	LDA	1.6000e-003	1.4630e-003
tblVehicleEF	LDA	2.1400e-003	1.8730e-003
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.26
tblVehicleEF	LDA	0.10	0.27
tblVehicleEF	LDA	2.6610e-003	2.6780e-003
tblVehicleEF	LDA	6.3900e-004	5.6400e-004
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.26
tblVehicleEF	LDA	0.11	0.30
tblVehicleEF	LDT1	0.02	9.4220e-003
tblVehicleEF	LDT1	0.02	0.10
tblVehicleEF	LDT1	1.88	1.84
tblVehicleEF	LDT1	4.45	2.64
tblVehicleEF	LDT1	332.44	327.73
tblVehicleEF	LDT1	74.44	69.37
tblVehicleEF	LDT1	0.20	0.17
tblVehicleEF	LDT1	3.0160e-003	2.6170e-003
tblVehicleEF	LDT1	4.1090e-003	3.3430e-003
tblVehicleEF	LDT1	2.7780e-003	2.4090e-003
tblVehicleEF	LDT1	3.7800e-003	3.0740e-003

## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	LDT1	0.21	0.23
tblVehicleEF	LDT1	0.38	0.31
tblVehicleEF	LDT1	0.14	0.16
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.23	1.04
tblVehicleEF	LDT1	0.32	0.54
tblVehicleEF	LDT1	3.3490e-003	3.2430e-003
tblVehicleEF	LDT1	8.2300e-004	6.8700e-004
tblVehicleEF	LDT1	0.21	0.23
tblVehicleEF	LDT1	0.38	0.31
tblVehicleEF	LDT1	0.14	0.16
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.23	1.04
tblVehicleEF	LDT1	0.35	0.59
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	2.25	2.22
tblVehicleEF	LDT1	3.66	2.18
tblVehicleEF	LDT1	362.07	354.55
tblVehicleEF	LDT1	74.44	68.34
tblVehicleEF	LDT1	0.18	0.16
tblVehicleEF	LDT1	3.0160e-003	2.6170e-003
tblVehicleEF	LDT1	4.1090e-003	3.3430e-003
tblVehicleEF	LDT1	2.7780e-003	2.4090e-003
tblVehicleEF	LDT1	3.7800e-003	3.0740e-003
tblVehicleEF	LDT1	0.42	0.48
tblVehicleEF	LDT1	0.47	0.39

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	LDT1	0.30	0.34
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	1.04
tblVehicleEF	LDT1	0.27	0.45
tblVehicleEF	LDT1	3.6510e-003	3.5080e-003
tblVehicleEF	LDT1	8.0900e-004	6.7600e-004
tblVehicleEF	LDT1	0.42	0.48
tblVehicleEF	LDT1	0.47	0.39
tblVehicleEF	LDT1	0.30	0.34
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.23	1.04
tblVehicleEF	LDT1	0.29	0.49
tblVehicleEF	LDT1	0.02	9.2010e-003
tblVehicleEF	LDT1	0.02	0.10
tblVehicleEF	LDT1	1.79	1.75
tblVehicleEF	LDT1	4.37	2.60
tblVehicleEF	LDT1	325.45	321.36
tblVehicleEF	LDT1	74.44	69.28
tblVehicleEF	LDT1	0.19	0.16
tblVehicleEF	LDT1	3.0160e-003	2.6170e-003
tblVehicleEF	LDT1	4.1090e-003	3.3430e-003
tblVehicleEF	LDT1	2.7780e-003	2.4090e-003
tblVehicleEF	LDT1	3.7800e-003	3.0740e-003
tblVehicleEF	LDT1	0.22	0.24
tblVehicleEF	LDT1	0.44	0.36
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.04	0.04

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	LDT1	0.26	1.22
tblVehicleEF	LDT1	0.32	0.54
tblVehicleEF	LDT1	3.2780e-003	3.1800e-003
tblVehicleEF	LDT1	8.2200e-004	6.8600e-004
tblVehicleEF	LDT1	0.22	0.24
tblVehicleEF	LDT1	0.44	0.36
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.26	1.22
tblVehicleEF	LDT1	0.35	0.59
tblVehicleEF	LDT2	7.5900e-003	5.4250e-003
tblVehicleEF	LDT2	0.01	0.09
tblVehicleEF	LDT2	0.92	1.17
tblVehicleEF	LDT2	2.08	3.01
tblVehicleEF	LDT2	375.03	356.41
tblVehicleEF	LDT2	84.46	75.61
tblVehicleEF	LDT2	0.11	0.12
tblVehicleEF	LDT2	1.7360e-003	1.6670e-003
tblVehicleEF	LDT2	2.4270e-003	2.1440e-003
tblVehicleEF	LDT2	1.5970e-003	1.5340e-003
tblVehicleEF	LDT2	2.2320e-003	1.9720e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.14	0.17
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.53
tblVehicleEF	LDT2	0.14	0.42

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	LDT2	3.7580e-003	3.5260e-003
tblVehicleEF	LDT2	8.8000e-004	7.4800e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.14	0.17
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.08	0.53
tblVehicleEF	LDT2	0.16	0.46
tblVehicleEF	LDT2	8.6210e-003	6.1900e-003
tblVehicleEF	LDT2	8.8260e-003	0.07
tblVehicleEF	LDT2	1.12	1.42
tblVehicleEF	LDT2	1.72	2.48
tblVehicleEF	LDT2	409.49	383.08
tblVehicleEF	LDT2	84.46	74.56
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	1.7360e-003	1.6670e-003
tblVehicleEF	LDT2	2.4270e-003	2.1440e-003
tblVehicleEF	LDT2	1.5970e-003	1.5340e-003
tblVehicleEF	LDT2	2.2320e-003	1.9720e-003
tblVehicleEF	LDT2	0.15	0.23
tblVehicleEF	LDT2	0.17	0.20
tblVehicleEF	LDT2	0.12	0.19
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.52
tblVehicleEF	LDT2	0.12	0.35
tblVehicleEF	LDT2	4.1060e-003	3.7900e-003
tblVehicleEF	LDT2	8.7400e-004	7.3800e-004

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	LDT2	0.15	0.23
tblVehicleEF	LDT2	0.17	0.20
tblVehicleEF	LDT2	0.12	0.19
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.07	0.52
tblVehicleEF	LDT2	0.13	0.38
tblVehicleEF	LDT2	7.3800e-003	5.2940e-003
tblVehicleEF	LDT2	0.01	0.09
tblVehicleEF	LDT2	0.87	1.11
tblVehicleEF	LDT2	2.04	2.96
tblVehicleEF	LDT2	366.89	350.08
tblVehicleEF	LDT2	84.46	75.53
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	1.7360e-003	1.6670e-003
tblVehicleEF	LDT2	2.4270e-003	2.1440e-003
tblVehicleEF	LDT2	1.5970e-003	1.5340e-003
tblVehicleEF	LDT2	2.2320e-003	1.9720e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.16	0.19
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.09	0.61
tblVehicleEF	LDT2	0.14	0.41
tblVehicleEF	LDT2	3.6760e-003	3.4640e-003
tblVehicleEF	LDT2	8.8000e-004	7.4700e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.16	0.19



Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.09	0.61
tblVehicleEF	LDT2	0.16	0.45
tblVehicleEF	LHD1	5.6900e-003	5.0880e-003
tblVehicleEF	LHD1	0.01	7.7680e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.27	1.08
tblVehicleEF	LHD1	2.93	1.12
tblVehicleEF	LHD1	9.23	9.45
tblVehicleEF	LHD1	620.09	663.36
tblVehicleEF	LHD1	31.53	11.23
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.40	1.84
tblVehicleEF	LHD1	9.6100e-004	9.3100e-004
tblVehicleEF	LHD1	0.01	9.9320e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0840e-003	2.9900e-004
tblVehicleEF	LHD1	9.1900e-004	8.9100e-004
tblVehicleEF	LHD1	2.5180e-003	2.4830e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.9800e-004	2.7500e-004
tblVehicleEF	LHD1	3.8770e-003	3.4930e-003
tblVehicleEF	LHD1	0.11	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8640e-003	1.6570e-003

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.35	0.65
tblVehicleEF	LHD1	0.30	0.09
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0910e-003	6.4590e-003
tblVehicleEF	LHD1	3.7100e-004	1.1100e-004
tblVehicleEF	LHD1	3.8770e-003	3.4930e-003
tblVehicleEF	LHD1	0.11	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8640e-003	1.6570e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.35	0.65
tblVehicleEF	LHD1	0.33	0.10
tblVehicleEF	LHD1	5.6900e-003	5.1040e-003
tblVehicleEF	LHD1	0.02	7.9500e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.29	1.10
tblVehicleEF	LHD1	2.74	1.04
tblVehicleEF	LHD1	9.23	9.45
tblVehicleEF	LHD1	620.09	663.40
tblVehicleEF	LHD1	31.53	11.10
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.25	1.73
tblVehicleEF	LHD1	9.6100e-004	9.3100e-004
tblVehicleEF	LHD1	0.01	9.9320e-003
tblVehicleEF	LHD1	0.02	0.01

## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD1	1.0840e-003	2.9900e-004
tblVehicleEF	LHD1	9.1900e-004	8.9100e-004
tblVehicleEF	LHD1	2.5180e-003	2.4830e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.9800e-004	2.7500e-004
tblVehicleEF	LHD1	7.6890e-003	6.9750e-003
tblVehicleEF	LHD1	0.13	0.12
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.2920e-003	3.8740e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.35	0.66
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0910e-003	6.4590e-003
tblVehicleEF	LHD1	3.6700e-004	1.1000e-004
tblVehicleEF	LHD1	7.6890e-003	6.9750e-003
tblVehicleEF	LHD1	0.13	0.12
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.2920e-003	3.8740e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.35	0.66
tblVehicleEF	LHD1	0.32	0.10
tblVehicleEF	LHD1	5.6900e-003	5.0910e-003
tblVehicleEF	LHD1	0.01	7.7840e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.27	1.08

## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD1	2.88	1.10
tblVehicleEF	LHD1	9.23	9.45
tblVehicleEF	LHD1	620.09	663.36
tblVehicleEF	LHD1	31.53	11.20
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.36	1.81
tblVehicleEF	LHD1	9.6100e-004	9.3100e-004
tblVehicleEF	LHD1	0.01	9.9320e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0840e-003	2.9900e-004
tblVehicleEF	LHD1	9.1900e-004	8.9100e-004
tblVehicleEF	LHD1	2.5180e-003	2.4830e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.9800e-004	2.7500e-004
tblVehicleEF	LHD1	4.3010e-003	3.9210e-003
tblVehicleEF	LHD1	0.13	0.12
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8380e-003	1.6360e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.38	0.70
tblVehicleEF	LHD1	0.30	0.09
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0910e-003	6.4590e-003
tblVehicleEF	LHD1	3.7000e-004	1.1100e-004
tblVehicleEF	LHD1	4.3010e-003	3.9210e-003
tblVehicleEF	LHD1	0.13	0.12
tblVehicleEF	LHD1	0.02	0.03

## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD1	1.8380e-003	1.6360e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.38	0.70
tblVehicleEF	LHD1	0.33	0.10
tblVehicleEF	LHD2	4.0010e-003	3.4940e-003
tblVehicleEF	LHD2	5.9170e-003	4.8970e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.63	0.67
tblVehicleEF	LHD2	1.40	0.67
tblVehicleEF	LHD2	14.35	14.68
tblVehicleEF	LHD2	619.96	664.05
tblVehicleEF	LHD2	25.37	8.14
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.91	1.99
tblVehicleEF	LHD2	1.3140e-003	1.3790e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	4.6400e-004	1.4200e-004
tblVehicleEF	LHD2	1.2570e-003	1.3190e-003
tblVehicleEF	LHD2	2.6760e-003	2.6850e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2700e-004	1.3000e-004
tblVehicleEF	LHD2	1.5090e-003	1.7180e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.7800e-004	8.5100e-004

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.11	0.33
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	6.0350e-003	6.4090e-003
tblVehicleEF	LHD2	2.8000e-004	8.1000e-005
tblVehicleEF	LHD2	1.5090e-003	1.7180e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7800e-004	8.5100e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.11	0.33
tblVehicleEF	LHD2	0.15	0.06
tblVehicleEF	LHD2	4.0010e-003	3.5050e-003
tblVehicleEF	LHD2	6.0090e-003	4.9550e-003
tblVehicleEF	LHD2	9.7620e-003	0.01
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.63	0.68
tblVehicleEF	LHD2	1.32	0.63
tblVehicleEF	LHD2	14.35	14.68
tblVehicleEF	LHD2	619.96	664.06
tblVehicleEF	LHD2	25.37	8.07
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.80	1.87
tblVehicleEF	LHD2	1.3140e-003	1.3790e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	4.6400e-004	1.4200e-004

## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD2	1.2570e-003	1.3190e-003
tblVehicleEF	LHD2	2.6760e-003	2.6850e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2700e-004	1.3000e-004
tblVehicleEF	LHD2	2.9270e-003	3.3570e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.7180e-003	1.9120e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.11	0.33
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	6.0350e-003	6.4090e-003
tblVehicleEF	LHD2	2.7800e-004	8.0000e-005
tblVehicleEF	LHD2	2.9270e-003	3.3570e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.7180e-003	1.9120e-003
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.11	0.33
tblVehicleEF	LHD2	0.14	0.06
tblVehicleEF	LHD2	4.0010e-003	3.4970e-003
tblVehicleEF	LHD2	5.9270e-003	4.9040e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.63	0.67
tblVehicleEF	LHD2	1.38	0.66
tblVehicleEF	LHD2	14.35	14.68

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD2	619.96	664.05
tblVehicleEF	LHD2	25.37	8.12
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.88	1.96
tblVehicleEF	LHD2	1.3140e-003	1.3790e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	4.6400e-004	1.4200e-004
tblVehicleEF	LHD2	1.2570e-003	1.3190e-003
tblVehicleEF	LHD2	2.6760e-003	2.6850e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2700e-004	1.3000e-004
tblVehicleEF	LHD2	1.5970e-003	1.8540e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.6400e-004	8.3300e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.11	0.35
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	6.0350e-003	6.4090e-003
tblVehicleEF	LHD2	2.7900e-004	8.0000e-005
tblVehicleEF	LHD2	1.5970e-003	1.8540e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.6400e-004	8.3300e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.11	0.35



Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD2	0.15	0.06
tblVehicleEF	MCY	0.41	0.33
tblVehicleEF	MCY	0.16	0.25
tblVehicleEF	MCY	21.63	21.70
tblVehicleEF	MCY	9.90	8.75
tblVehicleEF	MCY	166.31	211.44
tblVehicleEF	MCY	47.31	62.20
tblVehicleEF	MCY	1.17	1.18
tblVehicleEF	MCY	1.7690e-003	1.7420e-003
tblVehicleEF	MCY	3.8320e-003	3.1620e-003
tblVehicleEF	MCY	1.6590e-003	1.6340e-003
tblVehicleEF	MCY	3.6220e-003	2.9860e-003
tblVehicleEF	MCY	1.45	1.43
tblVehicleEF	MCY	0.86	0.84
tblVehicleEF	MCY	0.81	0.80
tblVehicleEF	MCY	2.28	2.28
tblVehicleEF	MCY	0.51	2.16
tblVehicleEF	MCY	2.19	1.93
tblVehicleEF	MCY	2.0810e-003	2.0920e-003
tblVehicleEF	MCY	7.0000e-004	6.1600e-004
tblVehicleEF	MCY	1.45	1.43
tblVehicleEF	MCY	0.86	0.84
tblVehicleEF	MCY	0.81	0.80
tblVehicleEF	MCY	2.77	2.77
tblVehicleEF	MCY	0.51	2.16
tblVehicleEF	MCY	2.38	2.10
tblVehicleEF	MCY	0.41	0.33

## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	MCY	0.14	0.22
tblVehicleEF	MCY	21.75	21.83
tblVehicleEF	MCY	9.07	7.97
tblVehicleEF	MCY	166.31	211.41
tblVehicleEF	MCY	47.31	60.03
tblVehicleEF	MCY	1.00	1.00
tblVehicleEF	MCY	1.7690e-003	1.7420e-003
tblVehicleEF	MCY	3.8320e-003	3.1620e-003
tblVehicleEF	MCY	1.6590e-003	1.6340e-003
tblVehicleEF	MCY	3.6220e-003	2.9860e-003
tblVehicleEF	MCY	3.14	3.12
tblVehicleEF	MCY	1.28	1.27
tblVehicleEF	MCY	2.15	2.12
tblVehicleEF	MCY	2.21	2.21
tblVehicleEF	MCY	0.50	2.15
tblVehicleEF	MCY	1.88	1.65
tblVehicleEF	MCY	2.0810e-003	2.0920e-003
tblVehicleEF	MCY	6.7600e-004	5.9400e-004
tblVehicleEF	MCY	3.14	3.12
tblVehicleEF	MCY	1.28	1.27
tblVehicleEF	MCY	2.15	2.12
tblVehicleEF	MCY	2.70	2.69
tblVehicleEF	MCY	0.50	2.15
tblVehicleEF	MCY	2.05	1.79
tblVehicleEF	MCY	0.41	0.33
tblVehicleEF	MCY	0.15	0.25
tblVehicleEF	MCY	20.62	20.68

## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	MCY	9.51	8.39
tblVehicleEF	MCY	166.31	209.68
tblVehicleEF	MCY	47.31	61.38
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	1.7690e-003	1.7420e-003
tblVehicleEF	MCY	3.8320e-003	3.1620e-003
tblVehicleEF	MCY	1.6590e-003	1.6340e-003
tblVehicleEF	MCY	3.6220e-003	2.9860e-003
tblVehicleEF	MCY	1.71	1.69
tblVehicleEF	MCY	1.15	1.12
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.24	2.23
tblVehicleEF	MCY	0.57	2.45
tblVehicleEF	MCY	2.11	1.85
tblVehicleEF	MCY	2.0640e-003	2.0750e-003
tblVehicleEF	MCY	6.9100e-004	6.0700e-004
tblVehicleEF	MCY	1.71	1.69
tblVehicleEF	MCY	1.15	1.12
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.73	2.72
tblVehicleEF	MCY	0.57	2.45
tblVehicleEF	MCY	2.30	2.01
tblVehicleEF	MDV	0.02	7.4600e-003
tblVehicleEF	MDV	0.02	0.11
tblVehicleEF	MDV	1.73	1.47
tblVehicleEF	MDV	3.93	3.71
tblVehicleEF	MDV	510.99	438.31

## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	MDV	113.32	92.88
tblVehicleEF	MDV	0.22	0.16
tblVehicleEF	MDV	1.8900e-003	1.7940e-003
tblVehicleEF	MDV	2.6570e-003	2.2880e-003
tblVehicleEF	MDV	1.7440e-003	1.6560e-003
tblVehicleEF	MDV	2.4460e-003	2.1070e-003
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.21	0.19
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.31	0.54
tblVehicleEF	MDV	5.1260e-003	4.3340e-003
tblVehicleEF	MDV	1.2030e-003	9.1900e-004
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.21	0.19
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.34	0.59
tblVehicleEF	MDV	0.02	8.4130e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	2.07	1.77
tblVehicleEF	MDV	3.28	3.07
tblVehicleEF	MDV	556.34	466.62
tblVehicleEF	MDV	113.32	91.58
tblVehicleEF	MDV	0.20	0.14

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	MDV	1.8900e-003	1.7940e-003
tblVehicleEF	MDV	2.6570e-003	2.2880e-003
tblVehicleEF	MDV	1.7440e-003	1.6560e-003
tblVehicleEF	MDV	2.4460e-003	2.1070e-003
tblVehicleEF	MDV	0.21	0.26
tblVehicleEF	MDV	0.25	0.22
tblVehicleEF	MDV	0.18	0.22
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.26	0.45
tblVehicleEF	MDV	5.5850e-003	4.6140e-003
tblVehicleEF	MDV	1.1910e-003	9.0600e-004
tblVehicleEF	MDV	0.21	0.26
tblVehicleEF	MDV	0.25	0.22
tblVehicleEF	MDV	0.18	0.22
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.29	0.50
tblVehicleEF	MDV	0.01	7.2640e-003
tblVehicleEF	MDV	0.02	0.11
tblVehicleEF	MDV	1.63	1.39
tblVehicleEF	MDV	3.86	3.65
tblVehicleEF	MDV	500.39	431.57
tblVehicleEF	MDV	113.32	92.77
tblVehicleEF	MDV	0.21	0.15
tblVehicleEF	MDV	1.8900e-003	1.7940e-003
tblVehicleEF	MDV	2.6570e-003	2.2880e-003

## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	MDV	1.7440e-003	1.6560e-003
tblVehicleEF	MDV	2.4460e-003	2.1070e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.63
tblVehicleEF	MDV	0.31	0.54
tblVehicleEF	MDV	5.0190e-003	4.2670e-003
tblVehicleEF	MDV	1.2020e-003	9.1800e-004
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.13	0.63
tblVehicleEF	MDV	0.34	0.59
tblVehicleEF	MH	0.04	3.9290e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	4.29	0.37
tblVehicleEF	MH	7.50	0.00
tblVehicleEF	MH	1,044.38	962.75
tblVehicleEF	MH	61.75	0.00
tblVehicleEF	MH	1.73	4.84
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.16
tblVehicleEF	MH	1.5070e-003	0.00
tblVehicleEF	MH	3.2190e-003	4.0000e-003

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	MH	0.04	0.15
tblVehicleEF	MH	1.3940e-003	0.00
tblVehicleEF	MH	1.65	0.00
tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	0.56	0.00
tblVehicleEF	MH	0.14	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.45	0.00
tblVehicleEF	MH	0.01	9.1010e-003
tblVehicleEF	MH	7.4900e-004	0.00
tblVehicleEF	MH	1.65	0.00
tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	0.56	0.00
tblVehicleEF	MH	0.19	0.10
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.49	0.00
tblVehicleEF	MH	0.05	3.9290e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	4.46	0.37
tblVehicleEF	MH	6.85	0.00
tblVehicleEF	MH	1,044.38	962.75
tblVehicleEF	MH	61.75	0.00
tblVehicleEF	MH	1.58	4.55
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.16
tblVehicleEF	MH	1.5070e-003	0.00
tblVehicleEF	MH	3.2190e-003	4.0000e-003

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	MH	0.04	0.15
tblVehicleEF	MH	1.3940e-003	0.00
tblVehicleEF	MH	3.30	0.00
tblVehicleEF	MH	0.12	0.00
tblVehicleEF	MH	1.37	0.00
tblVehicleEF	MH	0.14	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.01	9.1010e-003
tblVehicleEF	MH	7.3800e-004	0.00
tblVehicleEF	MH	3.30	0.00
tblVehicleEF	MH	0.12	0.00
tblVehicleEF	MH	1.37	0.00
tblVehicleEF	MH	0.20	0.10
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.46	0.00
tblVehicleEF	MH	0.04	3.9290e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	4.28	0.37
tblVehicleEF	MH	7.39	0.00
tblVehicleEF	MH	1,044.38	962.75
tblVehicleEF	MH	61.75	0.00
tblVehicleEF	MH	1.69	4.76
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.16
tblVehicleEF	MH	1.5070e-003	0.00
tblVehicleEF	MH	3.2190e-003	4.0000e-003



## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	MH	0.04	0.15
tblVehicleEF	MH	1.3940e-003	0.00
tblVehicleEF	MH	2.00	0.00
tblVehicleEF	MH	0.13	0.00
tblVehicleEF	MH	0.59	0.00
tblVehicleEF	MH	0.14	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.44	0.00
tblVehicleEF	MH	0.01	9.1010e-003
tblVehicleEF	MH	7.4700e-004	0.00
tblVehicleEF	MH	2.00	0.00
tblVehicleEF	MH	0.13	0.00
tblVehicleEF	MH	0.59	0.00
tblVehicleEF	MH	0.19	0.10
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.49	0.00
tblVehicleEF	MHD	0.02	3.2690e-003
tblVehicleEF	MHD	6.5200e-003	7.4410e-003
tblVehicleEF	MHD	0.06	9.2700e-003
tblVehicleEF	MHD	0.41	0.34
tblVehicleEF	MHD	0.48	0.67
tblVehicleEF	MHD	6.64	1.11
tblVehicleEF	MHD	157.61	72.65
tblVehicleEF	MHD	1,102.10	1,047.06
tblVehicleEF	MHD	54.49	8.73
tblVehicleEF	MHD	0.99	0.68
tblVehicleEF	MHD	1.67	2.66

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	MHD	2.8010e-003	2.4760e-003
tblVehicleEF	MHD	0.04	0.08
tblVehicleEF	MHD	8.7800e-004	1.1500e-004
tblVehicleEF	MHD	2.6800e-003	2.3690e-003
tblVehicleEF	MHD	0.04	0.08
tblVehicleEF	MHD	8.0700e-004	1.0600e-004
tblVehicleEF	MHD	1.5850e-003	7.5000e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.7500e-004	3.6500e-004
tblVehicleEF	MHD	0.08	0.13
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.40	0.05
tblVehicleEF	MHD	1.5150e-003	6.8900e-004
tblVehicleEF	MHD	0.01	9.9770e-003
tblVehicleEF	MHD	6.6100e-004	8.6000e-005
tblVehicleEF	MHD	1.5850e-003	7.5000e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.7500e-004	3.6500e-004
tblVehicleEF	MHD	0.09	0.15
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.44	0.05
tblVehicleEF	MHD	0.02	3.0990e-003
tblVehicleEF	MHD	6.6290e-003	7.5050e-003
tblVehicleEF	MHD	0.06	8.8360e-003
tblVehicleEF	MHD	0.29	0.28

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	MHD	0.49	0.68
tblVehicleEF	MHD	6.20	1.04
tblVehicleEF	MHD	166.94	74.24
tblVehicleEF	MHD	1,102.10	1,047.07
tblVehicleEF	MHD	54.49	8.61
tblVehicleEF	MHD	1.02	0.69
tblVehicleEF	MHD	1.57	2.50
tblVehicleEF	MHD	2.3620e-003	2.0900e-003
tblVehicleEF	MHD	0.04	0.08
tblVehicleEF	MHD	8.7800e-004	1.1500e-004
tblVehicleEF	MHD	2.2590e-003	1.9990e-003
tblVehicleEF	MHD	0.04	0.08
tblVehicleEF	MHD	8.0700e-004	1.0600e-004
tblVehicleEF	MHD	3.1650e-003	1.5010e-003
tblVehicleEF	MHD	0.06	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.8350e-003	8.6900e-004
tblVehicleEF	MHD	0.08	0.13
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.38	0.05
tblVehicleEF	MHD	1.6030e-003	7.0400e-004
tblVehicleEF	MHD	0.01	9.9770e-003
tblVehicleEF	MHD	6.5400e-004	8.5000e-005
tblVehicleEF	MHD	3.1650e-003	1.5010e-003
tblVehicleEF	MHD	0.06	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	1.8350e-003	8.6900e-004

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	MHD	0.09	0.15
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.42	0.05
tblVehicleEF	MHD	0.02	3.5160e-003
tblVehicleEF	MHD	6.5300e-003	7.4460e-003
tblVehicleEF	MHD	0.06	9.1670e-003
tblVehicleEF	MHD	0.56	0.43
tblVehicleEF	MHD	0.48	0.68
tblVehicleEF	MHD	6.52	1.09
tblVehicleEF	MHD	144.70	70.46
tblVehicleEF	MHD	1,102.10	1,047.06
tblVehicleEF	MHD	54.49	8.70
tblVehicleEF	MHD	0.94	0.66
tblVehicleEF	MHD	1.64	2.61
tblVehicleEF	MHD	3.4090e-003	3.0090e-003
tblVehicleEF	MHD	0.04	0.08
tblVehicleEF	MHD	8.7800e-004	1.1500e-004
tblVehicleEF	MHD	3.2610e-003	2.8790e-003
tblVehicleEF	MHD	0.04	0.08
tblVehicleEF	MHD	8.0700e-004	1.0600e-004
tblVehicleEF	MHD	1.7730e-003	8.4100e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.6800e-004	3.6200e-004
tblVehicleEF	MHD	0.08	0.13
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.40	0.05

## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	MHD	1.3930e-003	6.6800e-004
tblVehicleEF	MHD	0.01	9.9770e-003
tblVehicleEF	MHD	6.5900e-004	8.6000e-005
tblVehicleEF	MHD	1.7730e-003	8.4100e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.6800e-004	3.6200e-004
tblVehicleEF	MHD	0.09	0.15
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.43	0.05
tblVehicleEF	OBUS	0.01	9.4880e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.27	0.49
tblVehicleEF	OBUS	0.84	1.38
tblVehicleEF	OBUS	7.08	2.89
tblVehicleEF	OBUS	69.66	68.94
tblVehicleEF	OBUS	1,125.58	1,531.86
tblVehicleEF	OBUS	71.49	22.61
tblVehicleEF	OBUS	0.36	0.44
tblVehicleEF	OBUS	1.31	1.73
tblVehicleEF	OBUS	1.6600e-004	2.0970e-003
tblVehicleEF	OBUS	6.3680e-003	0.03
tblVehicleEF	OBUS	9.0100e-004	2.3900e-004
tblVehicleEF	OBUS	1.5900e-004	2.0060e-003
tblVehicleEF	OBUS	6.0730e-003	0.03
tblVehicleEF	OBUS	8.2900e-004	2.2000e-004

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	OBUS	2.2890e-003	2.8330e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	9.6000e-004	1.1430e-003
tblVehicleEF	OBUS	0.05	0.10
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.44	0.14
tblVehicleEF	OBUS	6.7700e-004	6.5900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.3900e-004	2.2400e-004
tblVehicleEF	OBUS	2.2890e-003	2.8330e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.6000e-004	1.1430e-003
tblVehicleEF	OBUS	0.07	0.13
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.48	0.15
tblVehicleEF	OBUS	0.01	9.5010e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.26	0.46
tblVehicleEF	OBUS	0.86	1.41
tblVehicleEF	OBUS	6.48	2.65
tblVehicleEF	OBUS	72.76	69.63
tblVehicleEF	OBUS	1,125.58	1,531.92
tblVehicleEF	OBUS	71.49	22.21
tblVehicleEF	OBUS	0.37	0.44

## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	OBUS	1.21	1.60
tblVehicleEF	OBUS	1.4000e-004	1.7700e-003
tblVehicleEF	OBUS	6.3680e-003	0.03
tblVehicleEF	OBUS	9.0100e-004	2.3900e-004
tblVehicleEF	OBUS	1.3400e-004	1.6940e-003
tblVehicleEF	OBUS	6.0730e-003	0.03
tblVehicleEF	OBUS	8.2900e-004	2.2000e-004
tblVehicleEF	OBUS	4.4650e-003	5.5400e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	2.2300e-003	2.6720e-003
tblVehicleEF	OBUS	0.06	0.10
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.41	0.13
tblVehicleEF	OBUS	7.0700e-004	6.6500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2900e-004	2.2000e-004
tblVehicleEF	OBUS	4.4650e-003	5.5400e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.2300e-003	2.6720e-003
tblVehicleEF	OBUS	0.07	0.13
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.45	0.15
tblVehicleEF	OBUS	0.01	9.5070e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03

## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	OBUS	0.29	0.52
tblVehicleEF	OBUS	0.84	1.38
tblVehicleEF	OBUS	7.02	2.87
tblVehicleEF	OBUS	65.38	68.00
tblVehicleEF	OBUS	1,125.58	1,531.87
tblVehicleEF	OBUS	71.49	22.58
tblVehicleEF	OBUS	0.35	0.44
tblVehicleEF	OBUS	1.28	1.70
tblVehicleEF	OBUS	2.0300e-004	2.5470e-003
tblVehicleEF	OBUS	6.3680e-003	0.03
tblVehicleEF	OBUS	9.0100e-004	2.3900e-004
tblVehicleEF	OBUS	1.9400e-004	2.4370e-003
tblVehicleEF	OBUS	6.0730e-003	0.03
tblVehicleEF	OBUS	8.2900e-004	2.2000e-004
tblVehicleEF	OBUS	2.4760e-003	3.1080e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	9.7500e-004	1.1620e-003
tblVehicleEF	OBUS	0.05	0.10
tblVehicleEF	OBUS	0.06	0.33
tblVehicleEF	OBUS	0.44	0.14
tblVehicleEF	OBUS	6.3600e-004	6.5000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.3800e-004	2.2300e-004
tblVehicleEF	OBUS	2.4760e-003	3.1080e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07



Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	OBUS	9.7500e-004	1.1620e-003
tblVehicleEF	OBUS	0.07	0.13
tblVehicleEF	OBUS	0.06	0.33
tblVehicleEF	OBUS	0.48	0.15
tblVehicleEF	SBUS	0.87	0.04
tblVehicleEF	SBUS	0.01	7.8850e-003
tblVehicleEF	SBUS	0.08	3.7580e-003
tblVehicleEF	SBUS	5.54	1.74
tblVehicleEF	SBUS	0.77	0.66
tblVehicleEF	SBUS	5.64	0.52
tblVehicleEF	SBUS	1,282.62	337.41
tblVehicleEF	SBUS	1,152.18	1,158.46
tblVehicleEF	SBUS	35.03	3.01
tblVehicleEF	SBUS	13.20	3.54
tblVehicleEF	SBUS	5.57	5.66
tblVehicleEF	SBUS	0.02	4.9280e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0700e-004	2.8000e-005
tblVehicleEF	SBUS	0.01	4.7150e-003
tblVehicleEF	SBUS	2.7710e-003	2.7830e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	4.6600e-004	2.6000e-005
tblVehicleEF	SBUS	3.3280e-003	7.8600e-004
tblVehicleEF	SBUS	0.02	5.8070e-003
tblVehicleEF	SBUS	0.67	0.18
tblVehicleEF	SBUS	1.3510e-003	3.4400e-004

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.29	0.02
tblVehicleEF	SBUS	0.01	3.2060e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.4800e-004	3.0000e-005
tblVehicleEF	SBUS	3.3280e-003	7.8600e-004
tblVehicleEF	SBUS	0.02	5.8070e-003
tblVehicleEF	SBUS	0.95	0.26
tblVehicleEF	SBUS	1.3510e-003	3.4400e-004
tblVehicleEF	SBUS	0.15	0.13
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	0.87	0.04
tblVehicleEF	SBUS	0.01	7.9830e-003
tblVehicleEF	SBUS	0.06	3.1210e-003
tblVehicleEF	SBUS	5.38	1.70
tblVehicleEF	SBUS	0.78	0.67
tblVehicleEF	SBUS	3.86	0.37
tblVehicleEF	SBUS	1,348.56	346.48
tblVehicleEF	SBUS	1,152.18	1,158.48
tblVehicleEF	SBUS	35.03	2.75
tblVehicleEF	SBUS	13.63	3.62
tblVehicleEF	SBUS	5.22	5.31
tblVehicleEF	SBUS	0.01	4.1620e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04

## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	SBUS	5.0700e-004	2.8000e-005
tblVehicleEF	SBUS	0.01	3.9820e-003
tblVehicleEF	SBUS	2.7710e-003	2.7830e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	4.6600e-004	2.6000e-005
tblVehicleEF	SBUS	6.4210e-003	1.4060e-003
tblVehicleEF	SBUS	0.03	6.2120e-003
tblVehicleEF	SBUS	0.66	0.18
tblVehicleEF	SBUS	3.0640e-003	6.6900e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.24	0.02
tblVehicleEF	SBUS	0.01	3.2910e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.1800e-004	2.7000e-005
tblVehicleEF	SBUS	6.4210e-003	1.4060e-003
tblVehicleEF	SBUS	0.03	6.2120e-003
tblVehicleEF	SBUS	0.95	0.26
tblVehicleEF	SBUS	3.0640e-003	6.6900e-004
tblVehicleEF	SBUS	0.15	0.13
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.26	0.02
tblVehicleEF	SBUS	0.88	0.04
tblVehicleEF	SBUS	0.01	7.8800e-003
tblVehicleEF	SBUS	0.08	3.8540e-003
tblVehicleEF	SBUS	5.77	1.80
tblVehicleEF	SBUS	0.77	0.66

## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	SBUS	5.69	0.54
tblVehicleEF	SBUS	1,191.56	324.88
tblVehicleEF	SBUS	1,152.18	1,158.46
tblVehicleEF	SBUS	35.03	3.04
tblVehicleEF	SBUS	12.62	3.43
tblVehicleEF	SBUS	5.48	5.57
tblVehicleEF	SBUS	0.02	5.9860e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0700e-004	2.8000e-005
tblVehicleEF	SBUS	0.02	5.7270e-003
tblVehicleEF	SBUS	2.7710e-003	2.7830e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	4.6600e-004	2.6000e-005
tblVehicleEF	SBUS	3.5990e-003	8.1900e-004
tblVehicleEF	SBUS	0.03	6.4950e-003
tblVehicleEF	SBUS	0.67	0.18
tblVehicleEF	SBUS	1.3510e-003	3.5700e-004
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.30	0.02
tblVehicleEF	SBUS	0.01	3.0870e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.4900e-004	3.0000e-005
tblVehicleEF	SBUS	3.5990e-003	8.1900e-004
tblVehicleEF	SBUS	0.03	6.4950e-003
tblVehicleEF	SBUS	0.96	0.26

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	SBUS	1.3510e-003	3.5700e-004
tblVehicleEF	SBUS	0.15	0.13
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.33	0.02
tblVehicleEF	UBUS	2.06	4.21
tblVehicleEF	UBUS	0.09	0.02
tblVehicleEF	UBUS	10.29	32.46
tblVehicleEF	UBUS	15.37	1.48
tblVehicleEF	UBUS	1,878.06	1,734.42
tblVehicleEF	UBUS	133.67	17.53
tblVehicleEF	UBUS	7.05	0.44
tblVehicleEF	UBUS	0.53	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.08	2.6710e-003
tblVehicleEF	UBUS	1.3540e-003	1.5800e-004
tblVehicleEF	UBUS	0.23	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.08	2.5430e-003
tblVehicleEF	UBUS	1.2450e-003	1.4500e-004
tblVehicleEF	UBUS	8.7400e-003	1.5800e-003
tblVehicleEF	UBUS	0.13	9.1420e-003
tblVehicleEF	UBUS	4.1930e-003	6.5600e-004
tblVehicleEF	UBUS	0.72	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.23	0.07
tblVehicleEF	UBUS	0.01	4.0080e-003
tblVehicleEF	UBUS	1.6160e-003	1.7300e-004

## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	UBUS	8.7400e-003	1.5800e-003
tblVehicleEF	UBUS	0.13	9.1420e-003
tblVehicleEF	UBUS	4.1930e-003	6.5600e-004
tblVehicleEF	UBUS	2.85	4.31
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.34	0.08
tblVehicleEF	UBUS	2.07	4.21
tblVehicleEF	UBUS	0.08	0.02
tblVehicleEF	UBUS	10.40	32.46
tblVehicleEF	UBUS	12.59	1.21
tblVehicleEF	UBUS	1,878.06	1,734.42
tblVehicleEF	UBUS	133.67	17.09
tblVehicleEF	UBUS	6.56	0.44
tblVehicleEF	UBUS	0.53	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.08	2.6710e-003
tblVehicleEF	UBUS	1.3540e-003	1.5800e-004
tblVehicleEF	UBUS	0.23	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.08	2.5430e-003
tblVehicleEF	UBUS	1.2450e-003	1.4500e-004
tblVehicleEF	UBUS	0.02	3.0300e-003
tblVehicleEF	UBUS	0.16	0.01
tblVehicleEF	UBUS	9.9910e-003	1.5490e-003
tblVehicleEF	UBUS	0.73	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.09	0.06

## Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleEF	UBUS	0.01	4.0080e-003
tblVehicleEF	UBUS	1.5680e-003	1.6900e-004
tblVehicleEF	UBUS	0.02	3.0300e-003
tblVehicleEF	UBUS	0.16	0.01
tblVehicleEF	UBUS	9.9910e-003	1.5490e-003
tblVehicleEF	UBUS	2.87	4.31
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.20	0.07
tblVehicleEF	UBUS	2.06	4.21
tblVehicleEF	UBUS	0.09	0.02
tblVehicleEF	UBUS	10.30	32.46
tblVehicleEF	UBUS	14.85	1.44
tblVehicleEF	UBUS	1,878.06	1,734.42
tblVehicleEF	UBUS	133.67	17.48
tblVehicleEF	UBUS	6.92	0.44
tblVehicleEF	UBUS	0.53	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.08	2.6710e-003
tblVehicleEF	UBUS	1.3540e-003	1.5800e-004
tblVehicleEF	UBUS	0.23	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.08	2.5430e-003
tblVehicleEF	UBUS	1.2450e-003	1.4500e-004
tblVehicleEF	UBUS	0.01	1.6780e-003
tblVehicleEF	UBUS	0.16	0.01
tblVehicleEF	UBUS	4.4110e-003	6.4600e-004
tblVehicleEF	UBUS	0.72	0.07





Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWater	IndoorWaterUseRate	7,645,125.00	0.00
tblWater	IndoorWaterUseRate	30,585,125.00	0.00

**2.0 Emissions Summary**

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Kaiser Commerce Center (Construction - Unmitigated) - 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	3.8174	5.2000e-004	0.0562	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.2000e-004		0.1276
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>3.8174</b>	<b>5.2000e-004</b>	<b>0.0562</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>2.0000e-004</b>	<b>2.0000e-004</b>		<b>0.1196</b>	<b>0.1196</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>0.1276</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	3.8174	5.2000e-004	0.0562	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.2000e-004		0.1276
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>3.8174</b>	<b>5.2000e-004</b>	<b>0.0562</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>2.0000e-004</b>	<b>2.0000e-004</b>		<b>0.1196</b>	<b>0.1196</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>0.1276</b>

Kaiser Commerce Center (Construction - Unmitigated) - 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	Demolition	Demolition	5/4/2020	7/24/2020	5	60	
2	Site Preparation	Site Preparation	7/25/2020	8/7/2020	5	10	
3	Grading	Grading	8/8/2020	9/18/2020	5	30	
4	Building Construction	Building Construction	9/19/2020	12/25/2020	5	70	
5	Paving	Paving	11/28/2020	12/25/2020	5	20	
6	Architectural Coating	Architectural Coating	11/28/2020	12/25/2020	5	20	

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 90

Acres of Paving: 6.33

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 247,986; Non-Residential Outdoor: 82,662; Striped Parking Area: 16,565 (Architectural Coating – sqft)

#### OffRoad Equipment

## Kaiser Commerce Center (Construction - Unmitigated) - 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	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	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	8.00	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	8.00	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	8.00	78	0.48

Trips and VMT

Kaiser Commerce Center (Construction - Unmitigated) - 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	6	15.00	0.00	910.00	14.70	6.90	20.00	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	3,135.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	185.00	72.00	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	37.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

**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					3.2834	0.0000	3.2834	0.4971	0.0000	0.4971			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
<b>Total</b>	<b>3.3121</b>	<b>33.2010</b>	<b>21.7532</b>	<b>0.0388</b>	<b>3.2834</b>	<b>1.6587</b>	<b>4.9421</b>	<b>0.4971</b>	<b>1.5419</b>	<b>2.0390</b>		<b>3,747.7049</b>	<b>3,747.7049</b>	<b>1.0580</b>		<b>3,774.1536</b>

Kaiser Commerce Center (Construction - Unmitigated) - 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	0.0985	3.7560	0.6308	0.0116	0.2654	0.0113	0.2767	0.0728	0.0108	0.0836		1,230.010 2	1,230.010 2	0.0740		1,231.859 2
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	0.0819	0.0553	0.5544	1.5300e-003	0.1677	1.1000e-003	0.1688	0.0445	1.0100e-003	0.0455		152.0625	152.0625	4.5400e-003		152.1760
<b>Total</b>	<b>0.1804</b>	<b>3.8113</b>	<b>1.1852</b>	<b>0.0131</b>	<b>0.4331</b>	<b>0.0124</b>	<b>0.4455</b>	<b>0.1172</b>	<b>0.0118</b>	<b>0.1291</b>		<b>1,382.072 7</b>	<b>1,382.072 7</b>	<b>0.0785</b>		<b>1,384.035 2</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					1.2805	0.0000	1.2805	0.1939	0.0000	0.1939			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.704 9	3,747.704 9	1.0580		3,774.153 6
<b>Total</b>	<b>3.3121</b>	<b>33.2010</b>	<b>21.7532</b>	<b>0.0388</b>	<b>1.2805</b>	<b>1.6587</b>	<b>2.9392</b>	<b>0.1939</b>	<b>1.5419</b>	<b>1.7357</b>	<b>0.0000</b>	<b>3,747.704 9</b>	<b>3,747.704 9</b>	<b>1.0580</b>		<b>3,774.153 6</b>

Kaiser Commerce Center (Construction - Unmitigated) - 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	0.0985	3.7560	0.6308	0.0116	0.2654	0.0113	0.2767	0.0728	0.0108	0.0836		1,230.010 2	1,230.010 2	0.0740		1,231.859 2
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	0.0819	0.0553	0.5544	1.5300e-003	0.1677	1.1000e-003	0.1688	0.0445	1.0100e-003	0.0455		152.0625	152.0625	4.5400e-003		152.1760
<b>Total</b>	<b>0.1804</b>	<b>3.8113</b>	<b>1.1852</b>	<b>0.0131</b>	<b>0.4331</b>	<b>0.0124</b>	<b>0.4455</b>	<b>0.1172</b>	<b>0.0118</b>	<b>0.1291</b>		<b>1,382.072 7</b>	<b>1,382.072 7</b>	<b>0.0785</b>		<b>1,384.035 2</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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.101 6	3,685.101 6	1.1918		3,714.897 5
<b>Total</b>	<b>4.0765</b>	<b>42.4173</b>	<b>21.5136</b>	<b>0.0380</b>	<b>19.6570</b>	<b>2.1974</b>	<b>21.8544</b>	<b>10.1025</b>	<b>2.0216</b>	<b>12.1241</b>		<b>3,685.101 6</b>	<b>3,685.101 6</b>	<b>1.1918</b>		<b>3,714.897 5</b>



Kaiser Commerce Center (Construction - Unmitigated) - 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					7.6662	0.0000	7.6662	3.9400	0.0000	3.9400			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>7.6662</b>	<b>2.1974</b>	<b>9.8636</b>	<b>3.9400</b>	<b>2.0216</b>	<b>5.9616</b>	<b>0.0000</b>	<b>3,685.1016</b>	<b>3,685.1016</b>	<b>1.1918</b>		<b>3,714.8975</b>

Kaiser Commerce Center (Construction - Unmitigated) - 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	0.2012	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>

**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					9.2981	0.0000	9.2981	3.6681	0.0000	3.6681			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>9.2981</b>	<b>2.1739</b>	<b>11.4720</b>	<b>3.6681</b>	<b>2.0000</b>	<b>5.6681</b>		<b>6,005.8653</b>	<b>6,005.8653</b>	<b>1.9424</b>		<b>6,054.4257</b>

Kaiser Commerce Center (Construction - Unmitigated) - 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	0.6786	25.8791	4.3461	0.0798	1.8288	0.0777	1.9066	0.5014	0.0744	0.5758		8,474.9055	8,474.9055	0.5096		8,487.6453
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>0.7878</b>	<b>25.9528</b>	<b>5.0854</b>	<b>0.0819</b>	<b>2.0524</b>	<b>0.0792</b>	<b>2.1316</b>	<b>0.5607</b>	<b>0.0757</b>	<b>0.6364</b>		<b>8,677.6554</b>	<b>8,677.6554</b>	<b>0.5156</b>		<b>8,690.5466</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					3.6263	0.0000	3.6263	1.4306	0.0000	1.4306			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>3.6263</b>	<b>2.1739</b>	<b>5.8002</b>	<b>1.4306</b>	<b>2.0000</b>	<b>3.4305</b>	<b>0.0000</b>	<b>6,005.8653</b>	<b>6,005.8653</b>	<b>1.9424</b>		<b>6,054.4257</b>

Kaiser Commerce Center (Construction - Unmitigated) - 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	0.6786	25.8791	4.3461	0.0798	1.8288	0.0777	1.9066	0.5014	0.0744	0.5758		8,474.9055	8,474.9055	0.5096		8,487.6453
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>0.7878</b>	<b>25.9528</b>	<b>5.0854</b>	<b>0.0819</b>	<b>2.0524</b>	<b>0.0792</b>	<b>2.1316</b>	<b>0.5607</b>	<b>0.0757</b>	<b>0.6364</b>		<b>8,677.6554</b>	<b>8,677.6554</b>	<b>0.5156</b>		<b>8,690.5466</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	2.2551	20.6494	17.9678	0.0288		1.1948	1.1948		1.1218	1.1218		2,735.6999	2,735.6999	0.6819		2,752.7481
<b>Total</b>	<b>2.2551</b>	<b>20.6494</b>	<b>17.9678</b>	<b>0.0288</b>		<b>1.1948</b>	<b>1.1948</b>		<b>1.1218</b>	<b>1.1218</b>		<b>2,735.6999</b>	<b>2,735.6999</b>	<b>0.6819</b>		<b>2,752.7481</b>

Kaiser Commerce Center (Construction - Unmitigated) - 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	0.2305	7.5365	1.7162	0.0188	0.4612	0.0354	0.4966	0.1328	0.0339	0.1667		1,980.0008	1,980.0008	0.1479		1,983.6991
Worker	1.0102	0.6819	6.8380	0.0188	2.0679	0.0136	2.0814	0.5484	0.0125	0.5609		1,875.4371	1,875.4371	0.0560		1,876.8368
<b>Total</b>	<b>1.2408</b>	<b>8.2183</b>	<b>8.5543</b>	<b>0.0376</b>	<b>2.5290</b>	<b>0.0490</b>	<b>2.5780</b>	<b>0.6812</b>	<b>0.0464</b>	<b>0.7275</b>		<b>3,855.4379</b>	<b>3,855.4379</b>	<b>0.2039</b>		<b>3,860.5359</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	2.2551	20.6494	17.9678	0.0288		1.1948	1.1948		1.1218	1.1218	0.0000	2,735.6999	2,735.6999	0.6819		2,752.7481
<b>Total</b>	<b>2.2551</b>	<b>20.6494</b>	<b>17.9678</b>	<b>0.0288</b>		<b>1.1948</b>	<b>1.1948</b>		<b>1.1218</b>	<b>1.1218</b>	<b>0.0000</b>	<b>2,735.6999</b>	<b>2,735.6999</b>	<b>0.6819</b>		<b>2,752.7481</b>

Kaiser Commerce Center (Construction - Unmitigated) - 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	0.2305	7.5365	1.7162	0.0188	0.4612	0.0354	0.4966	0.1328	0.0339	0.1667		1,980.0008	1,980.0008	0.1479		1,983.6991
Worker	1.0102	0.6819	6.8380	0.0188	2.0679	0.0136	2.0814	0.5484	0.0125	0.5609		1,875.4371	1,875.4371	0.0560		1,876.8368
<b>Total</b>	<b>1.2408</b>	<b>8.2183</b>	<b>8.5543</b>	<b>0.0376</b>	<b>2.5290</b>	<b>0.0490</b>	<b>2.5780</b>	<b>0.6812</b>	<b>0.0464</b>	<b>0.7275</b>		<b>3,855.4379</b>	<b>3,855.4379</b>	<b>0.2039</b>		<b>3,860.5359</b>

**3.6 Paving - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.6301					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.9867</b>	<b>14.0656</b>	<b>14.6521</b>	<b>0.0228</b>		<b>0.7528</b>	<b>0.7528</b>		<b>0.6926</b>	<b>0.6926</b>		<b>2,207.7334</b>	<b>2,207.7334</b>	<b>0.7140</b>		<b>2,225.5841</b>

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

**3.6 Paving - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0819	0.0553	0.5544	1.5300e-003	0.1677	1.1000e-003	0.1688	0.0445	1.0100e-003	0.0455		152.0625	152.0625	4.5400e-003		152.1760
<b>Total</b>	<b>0.0819</b>	<b>0.0553</b>	<b>0.5544</b>	<b>1.5300e-003</b>	<b>0.1677</b>	<b>1.1000e-003</b>	<b>0.1688</b>	<b>0.0445</b>	<b>1.0100e-003</b>	<b>0.0455</b>		<b>152.0625</b>	<b>152.0625</b>	<b>4.5400e-003</b>		<b>152.1760</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	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.6301					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.9867</b>	<b>14.0656</b>	<b>14.6521</b>	<b>0.0228</b>		<b>0.7528</b>	<b>0.7528</b>		<b>0.6926</b>	<b>0.6926</b>	<b>0.0000</b>	<b>2,207.7334</b>	<b>2,207.7334</b>	<b>0.7140</b>		<b>2,225.5841</b>

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

**3.6 Paving - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0819	0.0553	0.5544	1.5300e-003	0.1677	1.1000e-003	0.1688	0.0445	1.0100e-003	0.0455		152.0625	152.0625	4.5400e-003		152.1760
<b>Total</b>	<b>0.0819</b>	<b>0.0553</b>	<b>0.5544</b>	<b>1.5300e-003</b>	<b>0.1677</b>	<b>1.1000e-003</b>	<b>0.1688</b>	<b>0.0445</b>	<b>1.0100e-003</b>	<b>0.0455</b>		<b>152.0625</b>	<b>152.0625</b>	<b>4.5400e-003</b>		<b>152.1760</b>

**3.7 Architectural Coating - 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					
Archit. Coating	42.1528					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3229	2.2451	2.4419	3.9600e-003		0.1479	0.1479		0.1479	0.1479		375.2641	375.2641	0.0291		375.9904
<b>Total</b>	<b>42.4757</b>	<b>2.2451</b>	<b>2.4419</b>	<b>3.9600e-003</b>		<b>0.1479</b>	<b>0.1479</b>		<b>0.1479</b>	<b>0.1479</b>		<b>375.2641</b>	<b>375.2641</b>	<b>0.0291</b>		<b>375.9904</b>



Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

**3.7 Architectural Coating - 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	0.2021	0.1364	1.3676	3.7700e-003	0.4136	2.7100e-003	0.4163	0.1097	2.5000e-003	0.1122		375.0874	375.0874	0.0112		375.3674
<b>Total</b>	<b>0.2021</b>	<b>0.1364</b>	<b>1.3676</b>	<b>3.7700e-003</b>	<b>0.4136</b>	<b>2.7100e-003</b>	<b>0.4163</b>	<b>0.1097</b>	<b>2.5000e-003</b>	<b>0.1122</b>		<b>375.0874</b>	<b>375.0874</b>	<b>0.0112</b>		<b>375.3674</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	42.1528					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3229	2.2451	2.4419	3.9600e-003		0.1479	0.1479		0.1479	0.1479	0.0000	375.2641	375.2641	0.0291		375.9904
<b>Total</b>	<b>42.4757</b>	<b>2.2451</b>	<b>2.4419</b>	<b>3.9600e-003</b>		<b>0.1479</b>	<b>0.1479</b>		<b>0.1479</b>	<b>0.1479</b>	<b>0.0000</b>	<b>375.2641</b>	<b>375.2641</b>	<b>0.0291</b>		<b>375.9904</b>

Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

**3.7 Architectural Coating - 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	0.2021	0.1364	1.3676	3.7700e-003	0.4136	2.7100e-003	0.4163	0.1097	2.5000e-003	0.1122		375.0874	375.0874	0.0112		375.3674
<b>Total</b>	<b>0.2021</b>	<b>0.1364</b>	<b>1.3676</b>	<b>3.7700e-003</b>	<b>0.4136</b>	<b>2.7100e-003</b>	<b>0.4163</b>	<b>0.1097</b>	<b>2.5000e-003</b>	<b>0.1122</b>		<b>375.0874</b>	<b>375.0874</b>	<b>0.0112</b>		<b>375.3674</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Kaiser Commerce Center (Construction - Unmitigated) - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	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	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

Kaiser Commerce Center (Construction - Unmitigated) - 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
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
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
Refrigerated Warehouse-No Rail	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	0.546179	0.037976	0.179086	0.122965	0.018430	0.005460	0.017497	0.061396	0.001337	0.001657	0.006117	0.000817	0.001082

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Kaiser Commerce Center (Construction - Unmitigated) - 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					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Kaiser Commerce Center (Construction - Unmitigated) - 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					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Kaiser Commerce Center (Construction - Unmitigated) - 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	3.8174	5.2000e-004	0.0562	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.2000e-004		0.1276
Unmitigated	3.8174	5.2000e-004	0.0562	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.2000e-004		0.1276

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	0.4409					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.3712					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.2800e-003	5.2000e-004	0.0562	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.2000e-004		0.1276
<b>Total</b>	<b>3.8174</b>	<b>5.2000e-004</b>	<b>0.0562</b>	<b>0.0000</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>		<b>0.1196</b>	<b>0.1196</b>	<b>3.2000e-004</b>		<b>0.1276</b>

Kaiser Commerce Center (Construction - Unmitigated) - 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	0.4409					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.3712					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.2800e-003	5.2000e-004	0.0562	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.2000e-004		0.1276
<b>Total</b>	<b>3.8174</b>	<b>5.2000e-004</b>	<b>0.0562</b>	<b>0.0000</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>		<b>0.1196</b>	<b>0.1196</b>	<b>3.2000e-004</b>		<b>0.1276</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

Fire Pumps and Emergency Generators



Kaiser Commerce Center (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

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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**APPENDIX 3.2:**

**CALEEMOD OPERATIONAL (PASSENGER CARS) EMISSIONS MODEL OUTPUTS**

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

**Kaiser Commerce Center (Operations - Passenger Cars)**  
**San Bernardino-South Coast County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	33.07	1000sqft	0.76	33,065.00	0
Unrefrigerated Warehouse-No Rail	132.26	1000sqft	3.04	132,259.00	0
Other Asphalt Surfaces	139.85	1000sqft	3.21	139,847.00	0
Other Non-Asphalt Surfaces	66.24	1000sqft	1.52	66,235.00	0
Parking Lot	175.00	Space	1.60	70,000.00	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>	702.44	<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**

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

## Project Characteristics -

Land Use - Total Project Area is 10.13 acres.

Construction Phase - Operations Run Only.

Off-road Equipment - Operations Run Only.

Trips and VMT - Operations Run Only.

Vehicle Trips - Trip Characteristics based on information provided in the Kaiser Commerce Center Warehouse Trip Generation Assessment by Urban Crossroads, Inc.

Energy Use - The project will design building shells and building components to meet 2019 Title 24 Standards which expects 30% less energy for nonresidential uses.

Operational Off-Road Equipment - Based on SCAQMD High Cube Warehouse Truck Trip Study White Paper Summary of Business Survey Results (2014)

Fleet Mix - Passenger Car Fleet Mix estimated based on the ratio of the vehicle classes in CalEEMod default fleet mix.

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblEnergyUse	LightingElect	2.37	1.66
tblEnergyUse	LightingElect	1.17	0.82
tblEnergyUse	T24E	1.06	0.74
tblEnergyUse	T24E	0.37	0.26
tblEnergyUse	T24NG	3.25	2.28
tblEnergyUse	T24NG	2.00	1.40
tblFleetMix	HHD	0.06	0.00
tblFleetMix	HHD	0.06	0.00
tblFleetMix	LDA	0.55	0.62
tblFleetMix	LDA	0.55	0.62
tblFleetMix	LDT1	0.04	0.04

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT2	0.18	0.20
tblFleetMix	LDT2	0.18	0.20
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	5.4600e-003	0.00
tblFleetMix	LHD2	5.4600e-003	0.00
tblFleetMix	MCY	6.1170e-003	0.00
tblFleetMix	MCY	6.1170e-003	0.00
tblFleetMix	MDV	0.12	0.14
tblFleetMix	MDV	0.12	0.14
tblFleetMix	MH	1.0820e-003	0.00
tblFleetMix	MH	1.0820e-003	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	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	UBUS	1.6570e-003	0.00
tblFleetMix	UBUS	1.6570e-003	0.00
tblLandUse	LotAcreage	1.57	1.60
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblVehicleEF	HHD	1.26	0.03
tblVehicleEF	HHD	0.04	0.06
tblVehicleEF	HHD	0.13	0.00
tblVehicleEF	HHD	3.65	7.49
tblVehicleEF	HHD	0.59	0.57
tblVehicleEF	HHD	2.11	2.5880e-003
tblVehicleEF	HHD	7,044.09	1,448.69
tblVehicleEF	HHD	1,507.82	1,437.97
tblVehicleEF	HHD	6.10	0.03
tblVehicleEF	HHD	29.67	7.68
tblVehicleEF	HHD	3.22	3.64
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	7.6000e-005	1.0000e-006
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8830e-003	8.9180e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	7.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.0700e-004	5.0000e-006
tblVehicleEF	HHD	4.2590e-003	1.5400e-004
tblVehicleEF	HHD	0.94	0.60
tblVehicleEF	HHD	6.5000e-005	3.0000e-006

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	2.9100e-004	7.7100e-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	5.0000e-006
tblVehicleEF	HHD	4.2590e-003	1.5400e-004
tblVehicleEF	HHD	1.08	0.69
tblVehicleEF	HHD	6.5000e-005	3.0000e-006
tblVehicleEF	HHD	0.14	0.18
tblVehicleEF	HHD	2.9100e-004	7.7100e-004
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	1.19	0.03
tblVehicleEF	HHD	0.04	0.06
tblVehicleEF	HHD	0.12	0.00
tblVehicleEF	HHD	2.66	7.32
tblVehicleEF	HHD	0.59	0.57
tblVehicleEF	HHD	1.99	2.4340e-003
tblVehicleEF	HHD	7,457.73	1,444.52
tblVehicleEF	HHD	1,507.82	1,437.97
tblVehicleEF	HHD	6.10	0.03
tblVehicleEF	HHD	30.61	7.46
tblVehicleEF	HHD	3.03	3.42
tblVehicleEF	HHD	0.01	0.02
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04



## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	7.6000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	0.02
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8830e-003	8.9180e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	7.0000e-005	1.0000e-006
tblVehicleEF	HHD	2.1400e-004	1.0000e-005
tblVehicleEF	HHD	4.8950e-003	1.8100e-004
tblVehicleEF	HHD	0.89	0.63
tblVehicleEF	HHD	1.5100e-004	7.0000e-006
tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	2.9900e-004	7.9700e-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	1.0000e-005
tblVehicleEF	HHD	4.8950e-003	1.8100e-004
tblVehicleEF	HHD	1.02	0.72
tblVehicleEF	HHD	1.5100e-004	7.0000e-006
tblVehicleEF	HHD	0.14	0.18
tblVehicleEF	HHD	2.9900e-004	7.9700e-004
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	1.36	0.03
tblVehicleEF	HHD	0.04	4.6710e-003
tblVehicleEF	HHD	0.13	0.00

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	HHD	5.01	7.66
tblVehicleEF	HHD	0.59	0.43
tblVehicleEF	HHD	2.07	2.5600e-003
tblVehicleEF	HHD	6,472.88	1,440.00
tblVehicleEF	HHD	1,507.82	1,397.78
tblVehicleEF	HHD	6.10	0.03
tblVehicleEF	HHD	28.37	7.90
tblVehicleEF	HHD	3.17	3.54
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	7.6000e-005	1.0000e-006
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8830e-003	8.8180e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	7.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.1000e-004	5.0000e-006
tblVehicleEF	HHD	4.8700e-003	1.8200e-004
tblVehicleEF	HHD	1.01	0.57
tblVehicleEF	HHD	6.4000e-005	3.0000e-006
tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	3.1000e-004	8.0600e-004
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	HHD	9.6000e-005	0.00
tblVehicleEF	HHD	1.1000e-004	5.0000e-006
tblVehicleEF	HHD	4.8700e-003	1.8200e-004
tblVehicleEF	HHD	1.16	0.65
tblVehicleEF	HHD	6.4000e-005	3.0000e-006
tblVehicleEF	HHD	0.14	0.11
tblVehicleEF	HHD	3.1000e-004	8.0600e-004
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	LDA	5.1540e-003	3.2100e-003
tblVehicleEF	LDA	7.4770e-003	0.06
tblVehicleEF	LDA	0.66	0.77
tblVehicleEF	LDA	1.48	2.29
tblVehicleEF	LDA	271.76	276.68
tblVehicleEF	LDA	61.36	57.07
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	1.7360e-003	1.5890e-003
tblVehicleEF	LDA	2.3270e-003	2.0370e-003
tblVehicleEF	LDA	1.6000e-003	1.4630e-003
tblVehicleEF	LDA	2.1400e-003	1.8730e-003
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.10	0.28
tblVehicleEF	LDA	2.7220e-003	2.7370e-003
tblVehicleEF	LDA	6.3900e-004	5.6500e-004

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.11	0.30
tblVehicleEF	LDA	5.8790e-003	3.6760e-003
tblVehicleEF	LDA	6.2340e-003	0.05
tblVehicleEF	LDA	0.81	0.94
tblVehicleEF	LDA	1.22	1.90
tblVehicleEF	LDA	297.40	302.23
tblVehicleEF	LDA	61.36	56.31
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	1.7360e-003	1.5890e-003
tblVehicleEF	LDA	2.3270e-003	2.0370e-003
tblVehicleEF	LDA	1.6000e-003	1.4630e-003
tblVehicleEF	LDA	2.1400e-003	1.8730e-003
tblVehicleEF	LDA	0.11	0.15
tblVehicleEF	LDA	0.14	0.14
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.08	0.23
tblVehicleEF	LDA	2.9810e-003	2.9900e-003
tblVehicleEF	LDA	6.3500e-004	5.5700e-004
tblVehicleEF	LDA	0.11	0.15
tblVehicleEF	LDA	0.14	0.14

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.09	0.25
tblVehicleEF	LDA	5.0060e-003	3.1310e-003
tblVehicleEF	LDA	7.4230e-003	0.06
tblVehicleEF	LDA	0.62	0.73
tblVehicleEF	LDA	1.46	2.25
tblVehicleEF	LDA	265.71	270.69
tblVehicleEF	LDA	61.36	57.01
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	1.7360e-003	1.5890e-003
tblVehicleEF	LDA	2.3270e-003	2.0370e-003
tblVehicleEF	LDA	1.6000e-003	1.4630e-003
tblVehicleEF	LDA	2.1400e-003	1.8730e-003
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.26
tblVehicleEF	LDA	0.10	0.27
tblVehicleEF	LDA	2.6610e-003	2.6780e-003
tblVehicleEF	LDA	6.3900e-004	5.6400e-004
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	LDA	0.04	0.26
tblVehicleEF	LDA	0.11	0.30
tblVehicleEF	LDT1	0.02	9.4220e-003
tblVehicleEF	LDT1	0.02	0.10
tblVehicleEF	LDT1	1.88	1.84
tblVehicleEF	LDT1	4.45	2.64
tblVehicleEF	LDT1	332.44	327.73
tblVehicleEF	LDT1	74.44	69.37
tblVehicleEF	LDT1	0.20	0.17
tblVehicleEF	LDT1	3.0160e-003	2.6170e-003
tblVehicleEF	LDT1	4.1090e-003	3.3430e-003
tblVehicleEF	LDT1	2.7780e-003	2.4090e-003
tblVehicleEF	LDT1	3.7800e-003	3.0740e-003
tblVehicleEF	LDT1	0.21	0.23
tblVehicleEF	LDT1	0.38	0.31
tblVehicleEF	LDT1	0.14	0.16
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.23	1.04
tblVehicleEF	LDT1	0.32	0.54
tblVehicleEF	LDT1	3.3490e-003	3.2430e-003
tblVehicleEF	LDT1	8.2300e-004	6.8700e-004
tblVehicleEF	LDT1	0.21	0.23
tblVehicleEF	LDT1	0.38	0.31
tblVehicleEF	LDT1	0.14	0.16
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.23	1.04
tblVehicleEF	LDT1	0.35	0.59

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	2.25	2.22
tblVehicleEF	LDT1	3.66	2.18
tblVehicleEF	LDT1	362.07	354.55
tblVehicleEF	LDT1	74.44	68.34
tblVehicleEF	LDT1	0.18	0.16
tblVehicleEF	LDT1	3.0160e-003	2.6170e-003
tblVehicleEF	LDT1	4.1090e-003	3.3430e-003
tblVehicleEF	LDT1	2.7780e-003	2.4090e-003
tblVehicleEF	LDT1	3.7800e-003	3.0740e-003
tblVehicleEF	LDT1	0.42	0.48
tblVehicleEF	LDT1	0.47	0.39
tblVehicleEF	LDT1	0.30	0.34
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	1.04
tblVehicleEF	LDT1	0.27	0.45
tblVehicleEF	LDT1	3.6510e-003	3.5080e-003
tblVehicleEF	LDT1	8.0900e-004	6.7600e-004
tblVehicleEF	LDT1	0.42	0.48
tblVehicleEF	LDT1	0.47	0.39
tblVehicleEF	LDT1	0.30	0.34
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.23	1.04
tblVehicleEF	LDT1	0.29	0.49
tblVehicleEF	LDT1	0.02	9.2010e-003
tblVehicleEF	LDT1	0.02	0.10

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	LDT1	1.79	1.75
tblVehicleEF	LDT1	4.37	2.60
tblVehicleEF	LDT1	325.45	321.36
tblVehicleEF	LDT1	74.44	69.28
tblVehicleEF	LDT1	0.19	0.16
tblVehicleEF	LDT1	3.0160e-003	2.6170e-003
tblVehicleEF	LDT1	4.1090e-003	3.3430e-003
tblVehicleEF	LDT1	2.7780e-003	2.4090e-003
tblVehicleEF	LDT1	3.7800e-003	3.0740e-003
tblVehicleEF	LDT1	0.22	0.24
tblVehicleEF	LDT1	0.44	0.36
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.26	1.22
tblVehicleEF	LDT1	0.32	0.54
tblVehicleEF	LDT1	3.2780e-003	3.1800e-003
tblVehicleEF	LDT1	8.2200e-004	6.8600e-004
tblVehicleEF	LDT1	0.22	0.24
tblVehicleEF	LDT1	0.44	0.36
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.26	1.22
tblVehicleEF	LDT1	0.35	0.59
tblVehicleEF	LDT2	7.5900e-003	5.4250e-003
tblVehicleEF	LDT2	0.01	0.09
tblVehicleEF	LDT2	0.92	1.17
tblVehicleEF	LDT2	2.08	3.01



Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	LDT2	375.03	356.41
tblVehicleEF	LDT2	84.46	75.61
tblVehicleEF	LDT2	0.11	0.12
tblVehicleEF	LDT2	1.7360e-003	1.6670e-003
tblVehicleEF	LDT2	2.4270e-003	2.1440e-003
tblVehicleEF	LDT2	1.5970e-003	1.5340e-003
tblVehicleEF	LDT2	2.2320e-003	1.9720e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.14	0.17
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.53
tblVehicleEF	LDT2	0.14	0.42
tblVehicleEF	LDT2	3.7580e-003	3.5260e-003
tblVehicleEF	LDT2	8.8000e-004	7.4800e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.14	0.17
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.08	0.53
tblVehicleEF	LDT2	0.16	0.46
tblVehicleEF	LDT2	8.6210e-003	6.1900e-003
tblVehicleEF	LDT2	8.8260e-003	0.07
tblVehicleEF	LDT2	1.12	1.42
tblVehicleEF	LDT2	1.72	2.48
tblVehicleEF	LDT2	409.49	383.08
tblVehicleEF	LDT2	84.46	74.56

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	1.7360e-003	1.6670e-003
tblVehicleEF	LDT2	2.4270e-003	2.1440e-003
tblVehicleEF	LDT2	1.5970e-003	1.5340e-003
tblVehicleEF	LDT2	2.2320e-003	1.9720e-003
tblVehicleEF	LDT2	0.15	0.23
tblVehicleEF	LDT2	0.17	0.20
tblVehicleEF	LDT2	0.12	0.19
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.52
tblVehicleEF	LDT2	0.12	0.35
tblVehicleEF	LDT2	4.1060e-003	3.7900e-003
tblVehicleEF	LDT2	8.7400e-004	7.3800e-004
tblVehicleEF	LDT2	0.15	0.23
tblVehicleEF	LDT2	0.17	0.20
tblVehicleEF	LDT2	0.12	0.19
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.07	0.52
tblVehicleEF	LDT2	0.13	0.38
tblVehicleEF	LDT2	7.3800e-003	5.2940e-003
tblVehicleEF	LDT2	0.01	0.09
tblVehicleEF	LDT2	0.87	1.11
tblVehicleEF	LDT2	2.04	2.96
tblVehicleEF	LDT2	366.89	350.08
tblVehicleEF	LDT2	84.46	75.53
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	1.7360e-003	1.6670e-003

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	LDT2	2.4270e-003	2.1440e-003
tblVehicleEF	LDT2	1.5970e-003	1.5340e-003
tblVehicleEF	LDT2	2.2320e-003	1.9720e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.16	0.19
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.09	0.61
tblVehicleEF	LDT2	0.14	0.41
tblVehicleEF	LDT2	3.6760e-003	3.4640e-003
tblVehicleEF	LDT2	8.8000e-004	7.4700e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.16	0.19
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.09	0.61
tblVehicleEF	LDT2	0.16	0.45
tblVehicleEF	LHD1	5.6900e-003	5.0880e-003
tblVehicleEF	LHD1	0.01	7.7680e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.27	1.08
tblVehicleEF	LHD1	2.93	1.12
tblVehicleEF	LHD1	9.23	9.45
tblVehicleEF	LHD1	620.09	663.36
tblVehicleEF	LHD1	31.53	11.23
tblVehicleEF	LHD1	0.09	0.08

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD1	2.40	1.84
tblVehicleEF	LHD1	9.6100e-004	9.3100e-004
tblVehicleEF	LHD1	0.01	9.9320e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0840e-003	2.9900e-004
tblVehicleEF	LHD1	9.1900e-004	8.9100e-004
tblVehicleEF	LHD1	2.5180e-003	2.4830e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.9800e-004	2.7500e-004
tblVehicleEF	LHD1	3.8770e-003	3.4930e-003
tblVehicleEF	LHD1	0.11	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8640e-003	1.6570e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.35	0.65
tblVehicleEF	LHD1	0.30	0.09
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0910e-003	6.4590e-003
tblVehicleEF	LHD1	3.7100e-004	1.1100e-004
tblVehicleEF	LHD1	3.8770e-003	3.4930e-003
tblVehicleEF	LHD1	0.11	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8640e-003	1.6570e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.35	0.65
tblVehicleEF	LHD1	0.33	0.10
tblVehicleEF	LHD1	5.6900e-003	5.1040e-003

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD1	0.02	7.9500e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.29	1.10
tblVehicleEF	LHD1	2.74	1.04
tblVehicleEF	LHD1	9.23	9.45
tblVehicleEF	LHD1	620.09	663.40
tblVehicleEF	LHD1	31.53	11.10
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.25	1.73
tblVehicleEF	LHD1	9.6100e-004	9.3100e-004
tblVehicleEF	LHD1	0.01	9.9320e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0840e-003	2.9900e-004
tblVehicleEF	LHD1	9.1900e-004	8.9100e-004
tblVehicleEF	LHD1	2.5180e-003	2.4830e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.9800e-004	2.7500e-004
tblVehicleEF	LHD1	7.6890e-003	6.9750e-003
tblVehicleEF	LHD1	0.13	0.12
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.2920e-003	3.8740e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.35	0.66
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0910e-003	6.4590e-003

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD1	3.6700e-004	1.1000e-004
tblVehicleEF	LHD1	7.6890e-003	6.9750e-003
tblVehicleEF	LHD1	0.13	0.12
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.2920e-003	3.8740e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.35	0.66
tblVehicleEF	LHD1	0.32	0.10
tblVehicleEF	LHD1	5.6900e-003	5.0910e-003
tblVehicleEF	LHD1	0.01	7.7840e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.27	1.08
tblVehicleEF	LHD1	2.88	1.10
tblVehicleEF	LHD1	9.23	9.45
tblVehicleEF	LHD1	620.09	663.36
tblVehicleEF	LHD1	31.53	11.20
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.36	1.81
tblVehicleEF	LHD1	9.6100e-004	9.3100e-004
tblVehicleEF	LHD1	0.01	9.9320e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0840e-003	2.9900e-004
tblVehicleEF	LHD1	9.1900e-004	8.9100e-004
tblVehicleEF	LHD1	2.5180e-003	2.4830e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.9800e-004	2.7500e-004

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD1	4.3010e-003	3.9210e-003
tblVehicleEF	LHD1	0.13	0.12
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8380e-003	1.6360e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.38	0.70
tblVehicleEF	LHD1	0.30	0.09
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0910e-003	6.4590e-003
tblVehicleEF	LHD1	3.7000e-004	1.1100e-004
tblVehicleEF	LHD1	4.3010e-003	3.9210e-003
tblVehicleEF	LHD1	0.13	0.12
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8380e-003	1.6360e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.38	0.70
tblVehicleEF	LHD1	0.33	0.10
tblVehicleEF	LHD2	4.0010e-003	3.4940e-003
tblVehicleEF	LHD2	5.9170e-003	4.8970e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.63	0.67
tblVehicleEF	LHD2	1.40	0.67
tblVehicleEF	LHD2	14.35	14.68
tblVehicleEF	LHD2	619.96	664.05
tblVehicleEF	LHD2	25.37	8.14
tblVehicleEF	LHD2	0.12	0.12

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD2	1.91	1.99
tblVehicleEF	LHD2	1.3140e-003	1.3790e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	4.6400e-004	1.4200e-004
tblVehicleEF	LHD2	1.2570e-003	1.3190e-003
tblVehicleEF	LHD2	2.6760e-003	2.6850e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2700e-004	1.3000e-004
tblVehicleEF	LHD2	1.5090e-003	1.7180e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.7800e-004	8.5100e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.11	0.33
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	6.0350e-003	6.4090e-003
tblVehicleEF	LHD2	2.8000e-004	8.1000e-005
tblVehicleEF	LHD2	1.5090e-003	1.7180e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7800e-004	8.5100e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.11	0.33
tblVehicleEF	LHD2	0.15	0.06
tblVehicleEF	LHD2	4.0010e-003	3.5050e-003
tblVehicleEF	LHD2	6.0090e-003	4.9550e-003



## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD2	9.7620e-003	0.01
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.63	0.68
tblVehicleEF	LHD2	1.32	0.63
tblVehicleEF	LHD2	14.35	14.68
tblVehicleEF	LHD2	619.96	664.06
tblVehicleEF	LHD2	25.37	8.07
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.80	1.87
tblVehicleEF	LHD2	1.3140e-003	1.3790e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	4.6400e-004	1.4200e-004
tblVehicleEF	LHD2	1.2570e-003	1.3190e-003
tblVehicleEF	LHD2	2.6760e-003	2.6850e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2700e-004	1.3000e-004
tblVehicleEF	LHD2	2.9270e-003	3.3570e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.7180e-003	1.9120e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.11	0.33
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	6.0350e-003	6.4090e-003
tblVehicleEF	LHD2	2.7800e-004	8.0000e-005
tblVehicleEF	LHD2	2.9270e-003	3.3570e-003

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.7180e-003	1.9120e-003
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.11	0.33
tblVehicleEF	LHD2	0.14	0.06
tblVehicleEF	LHD2	4.0010e-003	3.4970e-003
tblVehicleEF	LHD2	5.9270e-003	4.9040e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.63	0.67
tblVehicleEF	LHD2	1.38	0.66
tblVehicleEF	LHD2	14.35	14.68
tblVehicleEF	LHD2	619.96	664.05
tblVehicleEF	LHD2	25.37	8.12
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.88	1.96
tblVehicleEF	LHD2	1.3140e-003	1.3790e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	4.6400e-004	1.4200e-004
tblVehicleEF	LHD2	1.2570e-003	1.3190e-003
tblVehicleEF	LHD2	2.6760e-003	2.6850e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2700e-004	1.3000e-004
tblVehicleEF	LHD2	1.5970e-003	1.8540e-003
tblVehicleEF	LHD2	0.05	0.06

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.6400e-004	8.3300e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.11	0.35
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	6.0350e-003	6.4090e-003
tblVehicleEF	LHD2	2.7900e-004	8.0000e-005
tblVehicleEF	LHD2	1.5970e-003	1.8540e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.6400e-004	8.3300e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.11	0.35
tblVehicleEF	LHD2	0.15	0.06
tblVehicleEF	MCY	0.41	0.33
tblVehicleEF	MCY	0.16	0.25
tblVehicleEF	MCY	21.63	21.70
tblVehicleEF	MCY	9.90	8.75
tblVehicleEF	MCY	166.31	211.44
tblVehicleEF	MCY	47.31	62.20
tblVehicleEF	MCY	1.17	1.18
tblVehicleEF	MCY	1.7690e-003	1.7420e-003
tblVehicleEF	MCY	3.8320e-003	3.1620e-003
tblVehicleEF	MCY	1.6590e-003	1.6340e-003
tblVehicleEF	MCY	3.6220e-003	2.9860e-003
tblVehicleEF	MCY	1.45	1.43
tblVehicleEF	MCY	0.86	0.84

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	MCY	0.81	0.80
tblVehicleEF	MCY	2.28	2.28
tblVehicleEF	MCY	0.51	2.16
tblVehicleEF	MCY	2.19	1.93
tblVehicleEF	MCY	2.0810e-003	2.0920e-003
tblVehicleEF	MCY	7.0000e-004	6.1600e-004
tblVehicleEF	MCY	1.45	1.43
tblVehicleEF	MCY	0.86	0.84
tblVehicleEF	MCY	0.81	0.80
tblVehicleEF	MCY	2.77	2.77
tblVehicleEF	MCY	0.51	2.16
tblVehicleEF	MCY	2.38	2.10
tblVehicleEF	MCY	0.41	0.33
tblVehicleEF	MCY	0.14	0.22
tblVehicleEF	MCY	21.75	21.83
tblVehicleEF	MCY	9.07	7.97
tblVehicleEF	MCY	166.31	211.41
tblVehicleEF	MCY	47.31	60.03
tblVehicleEF	MCY	1.00	1.00
tblVehicleEF	MCY	1.7690e-003	1.7420e-003
tblVehicleEF	MCY	3.8320e-003	3.1620e-003
tblVehicleEF	MCY	1.6590e-003	1.6340e-003
tblVehicleEF	MCY	3.6220e-003	2.9860e-003
tblVehicleEF	MCY	3.14	3.12
tblVehicleEF	MCY	1.28	1.27
tblVehicleEF	MCY	2.15	2.12
tblVehicleEF	MCY	2.21	2.21

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	MCY	0.50	2.15
tblVehicleEF	MCY	1.88	1.65
tblVehicleEF	MCY	2.0810e-003	2.0920e-003
tblVehicleEF	MCY	6.7600e-004	5.9400e-004
tblVehicleEF	MCY	3.14	3.12
tblVehicleEF	MCY	1.28	1.27
tblVehicleEF	MCY	2.15	2.12
tblVehicleEF	MCY	2.70	2.69
tblVehicleEF	MCY	0.50	2.15
tblVehicleEF	MCY	2.05	1.79
tblVehicleEF	MCY	0.41	0.33
tblVehicleEF	MCY	0.15	0.25
tblVehicleEF	MCY	20.62	20.68
tblVehicleEF	MCY	9.51	8.39
tblVehicleEF	MCY	166.31	209.68
tblVehicleEF	MCY	47.31	61.38
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	1.7690e-003	1.7420e-003
tblVehicleEF	MCY	3.8320e-003	3.1620e-003
tblVehicleEF	MCY	1.6590e-003	1.6340e-003
tblVehicleEF	MCY	3.6220e-003	2.9860e-003
tblVehicleEF	MCY	1.71	1.69
tblVehicleEF	MCY	1.15	1.12
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.24	2.23
tblVehicleEF	MCY	0.57	2.45
tblVehicleEF	MCY	2.11	1.85

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	MCY	2.0640e-003	2.0750e-003
tblVehicleEF	MCY	6.9100e-004	6.0700e-004
tblVehicleEF	MCY	1.71	1.69
tblVehicleEF	MCY	1.15	1.12
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.73	2.72
tblVehicleEF	MCY	0.57	2.45
tblVehicleEF	MCY	2.30	2.01
tblVehicleEF	MDV	0.02	7.4600e-003
tblVehicleEF	MDV	0.02	0.11
tblVehicleEF	MDV	1.73	1.47
tblVehicleEF	MDV	3.93	3.71
tblVehicleEF	MDV	510.99	438.31
tblVehicleEF	MDV	113.32	92.88
tblVehicleEF	MDV	0.22	0.16
tblVehicleEF	MDV	1.8900e-003	1.7940e-003
tblVehicleEF	MDV	2.6570e-003	2.2880e-003
tblVehicleEF	MDV	1.7440e-003	1.6560e-003
tblVehicleEF	MDV	2.4460e-003	2.1070e-003
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.21	0.19
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.31	0.54
tblVehicleEF	MDV	5.1260e-003	4.3340e-003
tblVehicleEF	MDV	1.2030e-003	9.1900e-004

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.21	0.19
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.34	0.59
tblVehicleEF	MDV	0.02	8.4130e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	2.07	1.77
tblVehicleEF	MDV	3.28	3.07
tblVehicleEF	MDV	556.34	466.62
tblVehicleEF	MDV	113.32	91.58
tblVehicleEF	MDV	0.20	0.14
tblVehicleEF	MDV	1.8900e-003	1.7940e-003
tblVehicleEF	MDV	2.6570e-003	2.2880e-003
tblVehicleEF	MDV	1.7440e-003	1.6560e-003
tblVehicleEF	MDV	2.4460e-003	2.1070e-003
tblVehicleEF	MDV	0.21	0.26
tblVehicleEF	MDV	0.25	0.22
tblVehicleEF	MDV	0.18	0.22
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.26	0.45
tblVehicleEF	MDV	5.5850e-003	4.6140e-003
tblVehicleEF	MDV	1.1910e-003	9.0600e-004
tblVehicleEF	MDV	0.21	0.26
tblVehicleEF	MDV	0.25	0.22

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	MDV	0.18	0.22
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.29	0.50
tblVehicleEF	MDV	0.01	7.2640e-003
tblVehicleEF	MDV	0.02	0.11
tblVehicleEF	MDV	1.63	1.39
tblVehicleEF	MDV	3.86	3.65
tblVehicleEF	MDV	500.39	431.57
tblVehicleEF	MDV	113.32	92.77
tblVehicleEF	MDV	0.21	0.15
tblVehicleEF	MDV	1.8900e-003	1.7940e-003
tblVehicleEF	MDV	2.6570e-003	2.2880e-003
tblVehicleEF	MDV	1.7440e-003	1.6560e-003
tblVehicleEF	MDV	2.4460e-003	2.1070e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.63
tblVehicleEF	MDV	0.31	0.54
tblVehicleEF	MDV	5.0190e-003	4.2670e-003
tblVehicleEF	MDV	1.2020e-003	9.1800e-004
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.06	0.05



## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	MDV	0.13	0.63
tblVehicleEF	MDV	0.34	0.59
tblVehicleEF	MH	0.04	3.9290e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	4.29	0.37
tblVehicleEF	MH	7.50	0.00
tblVehicleEF	MH	1,044.38	962.75
tblVehicleEF	MH	61.75	0.00
tblVehicleEF	MH	1.73	4.84
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.16
tblVehicleEF	MH	1.5070e-003	0.00
tblVehicleEF	MH	3.2190e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.15
tblVehicleEF	MH	1.3940e-003	0.00
tblVehicleEF	MH	1.65	0.00
tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	0.56	0.00
tblVehicleEF	MH	0.14	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.45	0.00
tblVehicleEF	MH	0.01	9.1010e-003
tblVehicleEF	MH	7.4900e-004	0.00
tblVehicleEF	MH	1.65	0.00
tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	0.56	0.00
tblVehicleEF	MH	0.19	0.10

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.49	0.00
tblVehicleEF	MH	0.05	3.9290e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	4.46	0.37
tblVehicleEF	MH	6.85	0.00
tblVehicleEF	MH	1,044.38	962.75
tblVehicleEF	MH	61.75	0.00
tblVehicleEF	MH	1.58	4.55
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.16
tblVehicleEF	MH	1.5070e-003	0.00
tblVehicleEF	MH	3.2190e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.15
tblVehicleEF	MH	1.3940e-003	0.00
tblVehicleEF	MH	3.30	0.00
tblVehicleEF	MH	0.12	0.00
tblVehicleEF	MH	1.37	0.00
tblVehicleEF	MH	0.14	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.01	9.1010e-003
tblVehicleEF	MH	7.3800e-004	0.00
tblVehicleEF	MH	3.30	0.00
tblVehicleEF	MH	0.12	0.00
tblVehicleEF	MH	1.37	0.00
tblVehicleEF	MH	0.20	0.10

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.46	0.00
tblVehicleEF	MH	0.04	3.9290e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	4.28	0.37
tblVehicleEF	MH	7.39	0.00
tblVehicleEF	MH	1,044.38	962.75
tblVehicleEF	MH	61.75	0.00
tblVehicleEF	MH	1.69	4.76
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.16
tblVehicleEF	MH	1.5070e-003	0.00
tblVehicleEF	MH	3.2190e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.15
tblVehicleEF	MH	1.3940e-003	0.00
tblVehicleEF	MH	2.00	0.00
tblVehicleEF	MH	0.13	0.00
tblVehicleEF	MH	0.59	0.00
tblVehicleEF	MH	0.14	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.44	0.00
tblVehicleEF	MH	0.01	9.1010e-003
tblVehicleEF	MH	7.4700e-004	0.00
tblVehicleEF	MH	2.00	0.00
tblVehicleEF	MH	0.13	0.00
tblVehicleEF	MH	0.59	0.00
tblVehicleEF	MH	0.19	0.10

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.49	0.00
tblVehicleEF	MHD	0.02	3.2690e-003
tblVehicleEF	MHD	6.5200e-003	7.4410e-003
tblVehicleEF	MHD	0.06	9.2700e-003
tblVehicleEF	MHD	0.41	0.34
tblVehicleEF	MHD	0.48	0.67
tblVehicleEF	MHD	6.64	1.11
tblVehicleEF	MHD	157.61	72.65
tblVehicleEF	MHD	1,102.10	1,047.06
tblVehicleEF	MHD	54.49	8.73
tblVehicleEF	MHD	0.99	0.68
tblVehicleEF	MHD	1.67	2.66
tblVehicleEF	MHD	2.8010e-003	2.4760e-003
tblVehicleEF	MHD	0.04	0.08
tblVehicleEF	MHD	8.7800e-004	1.1500e-004
tblVehicleEF	MHD	2.6800e-003	2.3690e-003
tblVehicleEF	MHD	0.04	0.08
tblVehicleEF	MHD	8.0700e-004	1.0600e-004
tblVehicleEF	MHD	1.5850e-003	7.5000e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.7500e-004	3.6500e-004
tblVehicleEF	MHD	0.08	0.13
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.40	0.05
tblVehicleEF	MHD	1.5150e-003	6.8900e-004

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	MHD	0.01	9.9770e-003
tblVehicleEF	MHD	6.6100e-004	8.6000e-005
tblVehicleEF	MHD	1.5850e-003	7.5000e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.7500e-004	3.6500e-004
tblVehicleEF	MHD	0.09	0.15
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.44	0.05
tblVehicleEF	MHD	0.02	3.0990e-003
tblVehicleEF	MHD	6.6290e-003	7.5050e-003
tblVehicleEF	MHD	0.06	8.8360e-003
tblVehicleEF	MHD	0.29	0.28
tblVehicleEF	MHD	0.49	0.68
tblVehicleEF	MHD	6.20	1.04
tblVehicleEF	MHD	166.94	74.24
tblVehicleEF	MHD	1,102.10	1,047.07
tblVehicleEF	MHD	54.49	8.61
tblVehicleEF	MHD	1.02	0.69
tblVehicleEF	MHD	1.57	2.50
tblVehicleEF	MHD	2.3620e-003	2.0900e-003
tblVehicleEF	MHD	0.04	0.08
tblVehicleEF	MHD	8.7800e-004	1.1500e-004
tblVehicleEF	MHD	2.2590e-003	1.9990e-003
tblVehicleEF	MHD	0.04	0.08
tblVehicleEF	MHD	8.0700e-004	1.0600e-004
tblVehicleEF	MHD	3.1650e-003	1.5010e-003

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	MHD	0.06	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.8350e-003	8.6900e-004
tblVehicleEF	MHD	0.08	0.13
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.38	0.05
tblVehicleEF	MHD	1.6030e-003	7.0400e-004
tblVehicleEF	MHD	0.01	9.9770e-003
tblVehicleEF	MHD	6.5400e-004	8.5000e-005
tblVehicleEF	MHD	3.1650e-003	1.5010e-003
tblVehicleEF	MHD	0.06	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	1.8350e-003	8.6900e-004
tblVehicleEF	MHD	0.09	0.15
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.42	0.05
tblVehicleEF	MHD	0.02	3.5160e-003
tblVehicleEF	MHD	6.5300e-003	7.4460e-003
tblVehicleEF	MHD	0.06	9.1670e-003
tblVehicleEF	MHD	0.56	0.43
tblVehicleEF	MHD	0.48	0.68
tblVehicleEF	MHD	6.52	1.09
tblVehicleEF	MHD	144.70	70.46
tblVehicleEF	MHD	1,102.10	1,047.06
tblVehicleEF	MHD	54.49	8.70
tblVehicleEF	MHD	0.94	0.66
tblVehicleEF	MHD	1.64	2.61

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	MHD	3.4090e-003	3.0090e-003
tblVehicleEF	MHD	0.04	0.08
tblVehicleEF	MHD	8.7800e-004	1.1500e-004
tblVehicleEF	MHD	3.2610e-003	2.8790e-003
tblVehicleEF	MHD	0.04	0.08
tblVehicleEF	MHD	8.0700e-004	1.0600e-004
tblVehicleEF	MHD	1.7730e-003	8.4100e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.6800e-004	3.6200e-004
tblVehicleEF	MHD	0.08	0.13
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.40	0.05
tblVehicleEF	MHD	1.3930e-003	6.6800e-004
tblVehicleEF	MHD	0.01	9.9770e-003
tblVehicleEF	MHD	6.5900e-004	8.6000e-005
tblVehicleEF	MHD	1.7730e-003	8.4100e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.6800e-004	3.6200e-004
tblVehicleEF	MHD	0.09	0.15
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.43	0.05
tblVehicleEF	OBUS	0.01	9.4880e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.27	0.49

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	OBUS	0.84	1.38
tblVehicleEF	OBUS	7.08	2.89
tblVehicleEF	OBUS	69.66	68.94
tblVehicleEF	OBUS	1,125.58	1,531.86
tblVehicleEF	OBUS	71.49	22.61
tblVehicleEF	OBUS	0.36	0.44
tblVehicleEF	OBUS	1.31	1.73
tblVehicleEF	OBUS	1.6600e-004	2.0970e-003
tblVehicleEF	OBUS	6.3680e-003	0.03
tblVehicleEF	OBUS	9.0100e-004	2.3900e-004
tblVehicleEF	OBUS	1.5900e-004	2.0060e-003
tblVehicleEF	OBUS	6.0730e-003	0.03
tblVehicleEF	OBUS	8.2900e-004	2.2000e-004
tblVehicleEF	OBUS	2.2890e-003	2.8330e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	9.6000e-004	1.1430e-003
tblVehicleEF	OBUS	0.05	0.10
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.44	0.14
tblVehicleEF	OBUS	6.7700e-004	6.5900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.3900e-004	2.2400e-004
tblVehicleEF	OBUS	2.2890e-003	2.8330e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.6000e-004	1.1430e-003



Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	OBUS	0.07	0.13
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.48	0.15
tblVehicleEF	OBUS	0.01	9.5010e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.26	0.46
tblVehicleEF	OBUS	0.86	1.41
tblVehicleEF	OBUS	6.48	2.65
tblVehicleEF	OBUS	72.76	69.63
tblVehicleEF	OBUS	1,125.58	1,531.92
tblVehicleEF	OBUS	71.49	22.21
tblVehicleEF	OBUS	0.37	0.44
tblVehicleEF	OBUS	1.21	1.60
tblVehicleEF	OBUS	1.4000e-004	1.7700e-003
tblVehicleEF	OBUS	6.3680e-003	0.03
tblVehicleEF	OBUS	9.0100e-004	2.3900e-004
tblVehicleEF	OBUS	1.3400e-004	1.6940e-003
tblVehicleEF	OBUS	6.0730e-003	0.03
tblVehicleEF	OBUS	8.2900e-004	2.2000e-004
tblVehicleEF	OBUS	4.4650e-003	5.5400e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	2.2300e-003	2.6720e-003
tblVehicleEF	OBUS	0.06	0.10
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.41	0.13

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	OBUS	7.0700e-004	6.6500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2900e-004	2.2000e-004
tblVehicleEF	OBUS	4.4650e-003	5.5400e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.2300e-003	2.6720e-003
tblVehicleEF	OBUS	0.07	0.13
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.45	0.15
tblVehicleEF	OBUS	0.01	9.5070e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.29	0.52
tblVehicleEF	OBUS	0.84	1.38
tblVehicleEF	OBUS	7.02	2.87
tblVehicleEF	OBUS	65.38	68.00
tblVehicleEF	OBUS	1,125.58	1,531.87
tblVehicleEF	OBUS	71.49	22.58
tblVehicleEF	OBUS	0.35	0.44
tblVehicleEF	OBUS	1.28	1.70
tblVehicleEF	OBUS	2.0300e-004	2.5470e-003
tblVehicleEF	OBUS	6.3680e-003	0.03
tblVehicleEF	OBUS	9.0100e-004	2.3900e-004
tblVehicleEF	OBUS	1.9400e-004	2.4370e-003
tblVehicleEF	OBUS	6.0730e-003	0.03
tblVehicleEF	OBUS	8.2900e-004	2.2000e-004

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	OBUS	2.4760e-003	3.1080e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	9.7500e-004	1.1620e-003
tblVehicleEF	OBUS	0.05	0.10
tblVehicleEF	OBUS	0.06	0.33
tblVehicleEF	OBUS	0.44	0.14
tblVehicleEF	OBUS	6.3600e-004	6.5000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.3800e-004	2.2300e-004
tblVehicleEF	OBUS	2.4760e-003	3.1080e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.7500e-004	1.1620e-003
tblVehicleEF	OBUS	0.07	0.13
tblVehicleEF	OBUS	0.06	0.33
tblVehicleEF	OBUS	0.48	0.15
tblVehicleEF	SBUS	0.87	0.04
tblVehicleEF	SBUS	0.01	7.8850e-003
tblVehicleEF	SBUS	0.08	3.7580e-003
tblVehicleEF	SBUS	5.54	1.74
tblVehicleEF	SBUS	0.77	0.66
tblVehicleEF	SBUS	5.64	0.52
tblVehicleEF	SBUS	1,282.62	337.41
tblVehicleEF	SBUS	1,152.18	1,158.46
tblVehicleEF	SBUS	35.03	3.01
tblVehicleEF	SBUS	13.20	3.54

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	SBUS	5.57	5.66
tblVehicleEF	SBUS	0.02	4.9280e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0700e-004	2.8000e-005
tblVehicleEF	SBUS	0.01	4.7150e-003
tblVehicleEF	SBUS	2.7710e-003	2.7830e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	4.6600e-004	2.6000e-005
tblVehicleEF	SBUS	3.3280e-003	7.8600e-004
tblVehicleEF	SBUS	0.02	5.8070e-003
tblVehicleEF	SBUS	0.67	0.18
tblVehicleEF	SBUS	1.3510e-003	3.4400e-004
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.29	0.02
tblVehicleEF	SBUS	0.01	3.2060e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.4800e-004	3.0000e-005
tblVehicleEF	SBUS	3.3280e-003	7.8600e-004
tblVehicleEF	SBUS	0.02	5.8070e-003
tblVehicleEF	SBUS	0.95	0.26
tblVehicleEF	SBUS	1.3510e-003	3.4400e-004
tblVehicleEF	SBUS	0.15	0.13
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	0.87	0.04

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	SBUS	0.01	7.9830e-003
tblVehicleEF	SBUS	0.06	3.1210e-003
tblVehicleEF	SBUS	5.38	1.70
tblVehicleEF	SBUS	0.78	0.67
tblVehicleEF	SBUS	3.86	0.37
tblVehicleEF	SBUS	1,348.56	346.48
tblVehicleEF	SBUS	1,152.18	1,158.48
tblVehicleEF	SBUS	35.03	2.75
tblVehicleEF	SBUS	13.63	3.62
tblVehicleEF	SBUS	5.22	5.31
tblVehicleEF	SBUS	0.01	4.1620e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0700e-004	2.8000e-005
tblVehicleEF	SBUS	0.01	3.9820e-003
tblVehicleEF	SBUS	2.7710e-003	2.7830e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	4.6600e-004	2.6000e-005
tblVehicleEF	SBUS	6.4210e-003	1.4060e-003
tblVehicleEF	SBUS	0.03	6.2120e-003
tblVehicleEF	SBUS	0.66	0.18
tblVehicleEF	SBUS	3.0640e-003	6.6900e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.24	0.02
tblVehicleEF	SBUS	0.01	3.2910e-003
tblVehicleEF	SBUS	0.01	0.01

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	SBUS	4.1800e-004	2.7000e-005
tblVehicleEF	SBUS	6.4210e-003	1.4060e-003
tblVehicleEF	SBUS	0.03	6.2120e-003
tblVehicleEF	SBUS	0.95	0.26
tblVehicleEF	SBUS	3.0640e-003	6.6900e-004
tblVehicleEF	SBUS	0.15	0.13
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.26	0.02
tblVehicleEF	SBUS	0.88	0.04
tblVehicleEF	SBUS	0.01	7.8800e-003
tblVehicleEF	SBUS	0.08	3.8540e-003
tblVehicleEF	SBUS	5.77	1.80
tblVehicleEF	SBUS	0.77	0.66
tblVehicleEF	SBUS	5.69	0.54
tblVehicleEF	SBUS	1,191.56	324.88
tblVehicleEF	SBUS	1,152.18	1,158.46
tblVehicleEF	SBUS	35.03	3.04
tblVehicleEF	SBUS	12.62	3.43
tblVehicleEF	SBUS	5.48	5.57
tblVehicleEF	SBUS	0.02	5.9860e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0700e-004	2.8000e-005
tblVehicleEF	SBUS	0.02	5.7270e-003
tblVehicleEF	SBUS	2.7710e-003	2.7830e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	4.6600e-004	2.6000e-005

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	SBUS	3.5990e-003	8.1900e-004
tblVehicleEF	SBUS	0.03	6.4950e-003
tblVehicleEF	SBUS	0.67	0.18
tblVehicleEF	SBUS	1.3510e-003	3.5700e-004
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.30	0.02
tblVehicleEF	SBUS	0.01	3.0870e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.4900e-004	3.0000e-005
tblVehicleEF	SBUS	3.5990e-003	8.1900e-004
tblVehicleEF	SBUS	0.03	6.4950e-003
tblVehicleEF	SBUS	0.96	0.26
tblVehicleEF	SBUS	1.3510e-003	3.5700e-004
tblVehicleEF	SBUS	0.15	0.13
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.33	0.02
tblVehicleEF	UBUS	2.06	4.21
tblVehicleEF	UBUS	0.09	0.02
tblVehicleEF	UBUS	10.29	32.46
tblVehicleEF	UBUS	15.37	1.48
tblVehicleEF	UBUS	1,878.06	1,734.42
tblVehicleEF	UBUS	133.67	17.53
tblVehicleEF	UBUS	7.05	0.44
tblVehicleEF	UBUS	0.53	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.08	2.6710e-003

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	UBUS	1.3540e-003	1.5800e-004
tblVehicleEF	UBUS	0.23	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.08	2.5430e-003
tblVehicleEF	UBUS	1.2450e-003	1.4500e-004
tblVehicleEF	UBUS	8.7400e-003	1.5800e-003
tblVehicleEF	UBUS	0.13	9.1420e-003
tblVehicleEF	UBUS	4.1930e-003	6.5600e-004
tblVehicleEF	UBUS	0.72	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.23	0.07
tblVehicleEF	UBUS	0.01	4.0080e-003
tblVehicleEF	UBUS	1.6160e-003	1.7300e-004
tblVehicleEF	UBUS	8.7400e-003	1.5800e-003
tblVehicleEF	UBUS	0.13	9.1420e-003
tblVehicleEF	UBUS	4.1930e-003	6.5600e-004
tblVehicleEF	UBUS	2.85	4.31
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.34	0.08
tblVehicleEF	UBUS	2.07	4.21
tblVehicleEF	UBUS	0.08	0.02
tblVehicleEF	UBUS	10.40	32.46
tblVehicleEF	UBUS	12.59	1.21
tblVehicleEF	UBUS	1,878.06	1,734.42
tblVehicleEF	UBUS	133.67	17.09
tblVehicleEF	UBUS	6.56	0.44
tblVehicleEF	UBUS	0.53	0.08



Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.08	2.6710e-003
tblVehicleEF	UBUS	1.3540e-003	1.5800e-004
tblVehicleEF	UBUS	0.23	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.08	2.5430e-003
tblVehicleEF	UBUS	1.2450e-003	1.4500e-004
tblVehicleEF	UBUS	0.02	3.0300e-003
tblVehicleEF	UBUS	0.16	0.01
tblVehicleEF	UBUS	9.9910e-003	1.5490e-003
tblVehicleEF	UBUS	0.73	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.09	0.06
tblVehicleEF	UBUS	0.01	4.0080e-003
tblVehicleEF	UBUS	1.5680e-003	1.6900e-004
tblVehicleEF	UBUS	0.02	3.0300e-003
tblVehicleEF	UBUS	0.16	0.01
tblVehicleEF	UBUS	9.9910e-003	1.5490e-003
tblVehicleEF	UBUS	2.87	4.31
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.20	0.07
tblVehicleEF	UBUS	2.06	4.21
tblVehicleEF	UBUS	0.09	0.02
tblVehicleEF	UBUS	10.30	32.46
tblVehicleEF	UBUS	14.85	1.44
tblVehicleEF	UBUS	1,878.06	1,734.42
tblVehicleEF	UBUS	133.67	17.48

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleEF	UBUS	6.92	0.44
tblVehicleEF	UBUS	0.53	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.08	2.6710e-003
tblVehicleEF	UBUS	1.3540e-003	1.5800e-004
tblVehicleEF	UBUS	0.23	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.08	2.5430e-003
tblVehicleEF	UBUS	1.2450e-003	1.4500e-004
tblVehicleEF	UBUS	0.01	1.6780e-003
tblVehicleEF	UBUS	0.16	0.01
tblVehicleEF	UBUS	4.4110e-003	6.4600e-004
tblVehicleEF	UBUS	0.72	0.07
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.21	0.07
tblVehicleEF	UBUS	0.01	4.0080e-003
tblVehicleEF	UBUS	1.6070e-003	1.7300e-004
tblVehicleEF	UBUS	0.01	1.6780e-003
tblVehicleEF	UBUS	0.16	0.01
tblVehicleEF	UBUS	4.4110e-003	6.4600e-004
tblVehicleEF	UBUS	2.86	4.31
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.32	0.08
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	CW_TTP	59.00	100.00

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.68	1.45
tblVehicleTrips	ST_TR	1.68	0.12
tblVehicleTrips	SU_TR	1.68	1.45
tblVehicleTrips	SU_TR	1.68	0.48
tblVehicleTrips	WD_TR	1.68	1.45
tblVehicleTrips	WD_TR	1.68	1.39

## 2.0 Emissions Summary

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Kaiser Commerce Center (Operations - Passenger Cars) - 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	3.8174	5.2000e-004	0.0562	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.2000e-004		0.1276
Energy	0.0552	0.5019	0.4216	3.0100e-003		0.0381	0.0381		0.0381	0.0381		602.2568	602.2568	0.0115	0.0110	605.8357
Mobile	0.7938	0.7341	11.3950	0.0292	2.9256	0.0153	2.9409	0.7755	0.0141	0.7897		2,950.6920	2,950.6920	0.0757		2,952.5832
Offroad	0.1470	1.7867	0.7804	3.1700e-003		0.0586	0.0586		0.0539	0.0539		307.0332	307.0332	0.0993		309.5158
<b>Total</b>	<b>4.8134</b>	<b>3.0232</b>	<b>12.6531</b>	<b>0.0354</b>	<b>2.9256</b>	<b>0.1123</b>	<b>3.0379</b>	<b>0.7755</b>	<b>0.1064</b>	<b>0.8819</b>		<b>3,860.1016</b>	<b>3,860.1016</b>	<b>0.1868</b>	<b>0.0110</b>	<b>3,868.0623</b>

Kaiser Commerce Center (Operations - Passenger Cars) - 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	3.8174	5.2000e-004	0.0562	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.2000e-004		0.1276
Energy	0.0552	0.5019	0.4216	3.0100e-003		0.0381	0.0381		0.0381	0.0381		602.2568	602.2568	0.0115	0.0110	605.8357
Mobile	0.7938	0.7341	11.3950	0.0292	2.9256	0.0153	2.9409	0.7755	0.0141	0.7897		2,950.6920	2,950.6920	0.0757		2,952.5832
Offroad	0.1470	1.7867	0.7804	3.1700e-003		0.0586	0.0586		0.0539	0.0539		307.0332	307.0332	0.0993		309.5158
<b>Total</b>	<b>4.8134</b>	<b>3.0232</b>	<b>12.6531</b>	<b>0.0354</b>	<b>2.9256</b>	<b>0.1123</b>	<b>3.0379</b>	<b>0.7755</b>	<b>0.1064</b>	<b>0.8819</b>		<b>3,860.1016</b>	<b>3,860.1016</b>	<b>0.1868</b>	<b>0.0110</b>	<b>3,868.0623</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
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	Demolition	Demolition	5/4/2020	5/3/2020	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

**Acres of Paving: 6.33**

**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
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

**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
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**





Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

**3.2 Demolition - 2020**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**4.0 Operational Detail - Mobile**

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Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.7938	0.7341	11.3950	0.0292	2.9256	0.0153	2.9409	0.7755	0.0141	0.7897		2,950.692 0	2,950.692 0	0.0757		2,952.583 2
Unmitigated	0.7938	0.7341	11.3950	0.0292	2.9256	0.0153	2.9409	0.7755	0.0141	0.7897		2,950.692 0	2,950.692 0	0.0757		2,952.583 2

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	48.01	48.01	48.01	290,098	290,098
Unrefrigerated Warehouse-No Rail	183.97	15.87	63.48	862,524	862,524
<b>Total</b>	<b>231.98</b>	<b>63.88</b>	<b>111.49</b>	<b>1,152,622</b>	<b>1,152,622</b>

**4.3 Trip Type Information**

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

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
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
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	100.00	0.00	0.00	100	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
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
Refrigerated Warehouse-No Rail	0.616300	0.042900	0.202100	0.138700	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-No Rail	0.616300	0.042900	0.202100	0.138700	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Kaiser Commerce Center (Operations - Passenger Cars) - 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					
NaturalGas Mitigated	0.0552	0.5019	0.4216	3.0100e-003		0.0381	0.0381		0.0381	0.0381		602.2568	602.2568	0.0115	0.0110	605.8357
NaturalGas Unmitigated	0.0552	0.5019	0.4216	3.0100e-003		0.0381	0.0381		0.0381	0.0381		602.2568	602.2568	0.0115	0.0110	605.8357

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					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	4601.02	0.0496	0.4511	0.3789	2.7100e-003		0.0343	0.0343		0.0343	0.0343		541.2962	541.2962	0.0104	9.9200e-003	544.5128
Unrefrigerated Warehouse-No Rail	518.165	5.5900e-003	0.0508	0.0427	3.0000e-004		3.8600e-003	3.8600e-003		3.8600e-003	3.8600e-003		60.9606	60.9606	1.1700e-003	1.1200e-003	61.3229
<b>Total</b>		<b>0.0552</b>	<b>0.5019</b>	<b>0.4216</b>	<b>3.0100e-003</b>		<b>0.0381</b>	<b>0.0381</b>		<b>0.0381</b>	<b>0.0381</b>		<b>602.2568</b>	<b>602.2568</b>	<b>0.0115</b>	<b>0.0110</b>	<b>605.8357</b>

Kaiser Commerce Center (Operations - Passenger Cars) - 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						
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	4.60102	0.0496	0.4511	0.3789	2.7100e-003		0.0343	0.0343		0.0343	0.0343		541.2962	541.2962	0.0104	9.9200e-003	544.5128	
Unrefrigerated Warehouse-No Rail	0.518165	5.5900e-003	0.0508	0.0427	3.0000e-004		3.8600e-003	3.8600e-003		3.8600e-003	3.8600e-003		60.9606	60.9606	1.1700e-003	1.1200e-003	61.3229	
<b>Total</b>		<b>0.0552</b>	<b>0.5019</b>	<b>0.4216</b>	<b>3.0100e-003</b>		<b>0.0381</b>	<b>0.0381</b>		<b>0.0381</b>	<b>0.0381</b>		<b>602.2568</b>	<b>602.2568</b>	<b>0.0115</b>	<b>0.0110</b>	<b>605.8357</b>	

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Kaiser Commerce Center (Operations - Passenger Cars) - 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	3.8174	5.2000e-004	0.0562	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.2000e-004		0.1276
Unmitigated	3.8174	5.2000e-004	0.0562	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.2000e-004		0.1276

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	0.4409					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.3712					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.2800e-003	5.2000e-004	0.0562	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.2000e-004		0.1276
<b>Total</b>	<b>3.8174</b>	<b>5.2000e-004</b>	<b>0.0562</b>	<b>0.0000</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>		<b>0.1196</b>	<b>0.1196</b>	<b>3.2000e-004</b>		<b>0.1276</b>

Kaiser Commerce Center (Operations - Passenger Cars) - 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	0.4409					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.3712					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.2800e-003	5.2000e-004	0.0562	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.2000e-004		0.1276
<b>Total</b>	<b>3.8174</b>	<b>5.2000e-004</b>	<b>0.0562</b>	<b>0.0000</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>		<b>0.1196</b>	<b>0.1196</b>	<b>3.2000e-004</b>		<b>0.1276</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	1	4.00	365	200	0.37	Diesel

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Summer

**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					
Tractors/Loaders/Backhoes	0.1470	1.7867	0.7804	3.1700e-003		0.0586	0.0586		0.0539	0.0539		307.0332	307.0332	0.0993		309.5158
<b>Total</b>	<b>0.1470</b>	<b>1.7867</b>	<b>0.7804</b>	<b>3.1700e-003</b>		<b>0.0586</b>	<b>0.0586</b>		<b>0.0539</b>	<b>0.0539</b>		<b>307.0332</b>	<b>307.0332</b>	<b>0.0993</b>		<b>309.5158</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**



Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

**Kaiser Commerce Center (Operations - Passenger Cars)**  
**San Bernardino-South Coast County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	33.07	1000sqft	0.76	33,065.00	0
Unrefrigerated Warehouse-No Rail	132.26	1000sqft	3.04	132,259.00	0
Other Asphalt Surfaces	139.85	1000sqft	3.21	139,847.00	0
Other Non-Asphalt Surfaces	66.24	1000sqft	1.52	66,235.00	0
Parking Lot	175.00	Space	1.60	70,000.00	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>	702.44	<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**

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

## Project Characteristics -

Land Use - Total Project Area is 10.13 acres.

Construction Phase - Operations Run Only.

Off-road Equipment - Operations Run Only.

Trips and VMT - Operations Run Only.

Vehicle Trips - Trip Characteristics based on information provided in the Kaiser Commerce Center Warehouse Trip Generation Assessment by Urban Crossroads, Inc.

Energy Use - The project will design building shells and building components to meet 2019 Title 24 Standards which expects 30% less energy for nonresidential uses.

Operational Off-Road Equipment - Based on SCAQMD High Cube Warehouse Truck Trip Study White Paper Summary of Business Survey Results (2014)

Fleet Mix - Passenger Car Fleet Mix estimated based on the ratio of the vehicle classes in CalEEMod default fleet mix.

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblEnergyUse	LightingElect	2.37	1.66
tblEnergyUse	LightingElect	1.17	0.82
tblEnergyUse	T24E	1.06	0.74
tblEnergyUse	T24E	0.37	0.26
tblEnergyUse	T24NG	3.25	2.28
tblEnergyUse	T24NG	2.00	1.40
tblFleetMix	HHD	0.06	0.00
tblFleetMix	HHD	0.06	0.00
tblFleetMix	LDA	0.55	0.62
tblFleetMix	LDA	0.55	0.62
tblFleetMix	LDT1	0.04	0.04

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT2	0.18	0.20
tblFleetMix	LDT2	0.18	0.20
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	5.4600e-003	0.00
tblFleetMix	LHD2	5.4600e-003	0.00
tblFleetMix	MCY	6.1170e-003	0.00
tblFleetMix	MCY	6.1170e-003	0.00
tblFleetMix	MDV	0.12	0.14
tblFleetMix	MDV	0.12	0.14
tblFleetMix	MH	1.0820e-003	0.00
tblFleetMix	MH	1.0820e-003	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	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	UBUS	1.6570e-003	0.00
tblFleetMix	UBUS	1.6570e-003	0.00
tblLandUse	LotAcreage	1.57	1.60
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblVehicleEF	HHD	1.26	0.03
tblVehicleEF	HHD	0.04	0.06
tblVehicleEF	HHD	0.13	0.00
tblVehicleEF	HHD	3.65	7.49
tblVehicleEF	HHD	0.59	0.57
tblVehicleEF	HHD	2.11	2.5880e-003
tblVehicleEF	HHD	7,044.09	1,448.69
tblVehicleEF	HHD	1,507.82	1,437.97
tblVehicleEF	HHD	6.10	0.03
tblVehicleEF	HHD	29.67	7.68
tblVehicleEF	HHD	3.22	3.64
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	7.6000e-005	1.0000e-006
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8830e-003	8.9180e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	7.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.0700e-004	5.0000e-006
tblVehicleEF	HHD	4.2590e-003	1.5400e-004
tblVehicleEF	HHD	0.94	0.60
tblVehicleEF	HHD	6.5000e-005	3.0000e-006

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	2.9100e-004	7.7100e-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	5.0000e-006
tblVehicleEF	HHD	4.2590e-003	1.5400e-004
tblVehicleEF	HHD	1.08	0.69
tblVehicleEF	HHD	6.5000e-005	3.0000e-006
tblVehicleEF	HHD	0.14	0.18
tblVehicleEF	HHD	2.9100e-004	7.7100e-004
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	1.19	0.03
tblVehicleEF	HHD	0.04	0.06
tblVehicleEF	HHD	0.12	0.00
tblVehicleEF	HHD	2.66	7.32
tblVehicleEF	HHD	0.59	0.57
tblVehicleEF	HHD	1.99	2.4340e-003
tblVehicleEF	HHD	7,457.73	1,444.52
tblVehicleEF	HHD	1,507.82	1,437.97
tblVehicleEF	HHD	6.10	0.03
tblVehicleEF	HHD	30.61	7.46
tblVehicleEF	HHD	3.03	3.42
tblVehicleEF	HHD	0.01	0.02
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	7.6000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	0.02
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8830e-003	8.9180e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	7.0000e-005	1.0000e-006
tblVehicleEF	HHD	2.1400e-004	1.0000e-005
tblVehicleEF	HHD	4.8950e-003	1.8100e-004
tblVehicleEF	HHD	0.89	0.63
tblVehicleEF	HHD	1.5100e-004	7.0000e-006
tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	2.9900e-004	7.9700e-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	1.0000e-005
tblVehicleEF	HHD	4.8950e-003	1.8100e-004
tblVehicleEF	HHD	1.02	0.72
tblVehicleEF	HHD	1.5100e-004	7.0000e-006
tblVehicleEF	HHD	0.14	0.18
tblVehicleEF	HHD	2.9900e-004	7.9700e-004
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	1.36	0.03
tblVehicleEF	HHD	0.04	4.6710e-003
tblVehicleEF	HHD	0.13	0.00

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	HHD	5.01	7.66
tblVehicleEF	HHD	0.59	0.43
tblVehicleEF	HHD	2.07	2.5600e-003
tblVehicleEF	HHD	6,472.88	1,440.00
tblVehicleEF	HHD	1,507.82	1,397.78
tblVehicleEF	HHD	6.10	0.03
tblVehicleEF	HHD	28.37	7.90
tblVehicleEF	HHD	3.17	3.54
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	7.6000e-005	1.0000e-006
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8830e-003	8.8180e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	7.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.1000e-004	5.0000e-006
tblVehicleEF	HHD	4.8700e-003	1.8200e-004
tblVehicleEF	HHD	1.01	0.57
tblVehicleEF	HHD	6.4000e-005	3.0000e-006
tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	3.1000e-004	8.0600e-004
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	HHD	9.6000e-005	0.00
tblVehicleEF	HHD	1.1000e-004	5.0000e-006
tblVehicleEF	HHD	4.8700e-003	1.8200e-004
tblVehicleEF	HHD	1.16	0.65
tblVehicleEF	HHD	6.4000e-005	3.0000e-006
tblVehicleEF	HHD	0.14	0.11
tblVehicleEF	HHD	3.1000e-004	8.0600e-004
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	LDA	5.1540e-003	3.2100e-003
tblVehicleEF	LDA	7.4770e-003	0.06
tblVehicleEF	LDA	0.66	0.77
tblVehicleEF	LDA	1.48	2.29
tblVehicleEF	LDA	271.76	276.68
tblVehicleEF	LDA	61.36	57.07
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	1.7360e-003	1.5890e-003
tblVehicleEF	LDA	2.3270e-003	2.0370e-003
tblVehicleEF	LDA	1.6000e-003	1.4630e-003
tblVehicleEF	LDA	2.1400e-003	1.8730e-003
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.10	0.28
tblVehicleEF	LDA	2.7220e-003	2.7370e-003
tblVehicleEF	LDA	6.3900e-004	5.6500e-004



Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.11	0.30
tblVehicleEF	LDA	5.8790e-003	3.6760e-003
tblVehicleEF	LDA	6.2340e-003	0.05
tblVehicleEF	LDA	0.81	0.94
tblVehicleEF	LDA	1.22	1.90
tblVehicleEF	LDA	297.40	302.23
tblVehicleEF	LDA	61.36	56.31
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	1.7360e-003	1.5890e-003
tblVehicleEF	LDA	2.3270e-003	2.0370e-003
tblVehicleEF	LDA	1.6000e-003	1.4630e-003
tblVehicleEF	LDA	2.1400e-003	1.8730e-003
tblVehicleEF	LDA	0.11	0.15
tblVehicleEF	LDA	0.14	0.14
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.08	0.23
tblVehicleEF	LDA	2.9810e-003	2.9900e-003
tblVehicleEF	LDA	6.3500e-004	5.5700e-004
tblVehicleEF	LDA	0.11	0.15
tblVehicleEF	LDA	0.14	0.14

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.09	0.25
tblVehicleEF	LDA	5.0060e-003	3.1310e-003
tblVehicleEF	LDA	7.4230e-003	0.06
tblVehicleEF	LDA	0.62	0.73
tblVehicleEF	LDA	1.46	2.25
tblVehicleEF	LDA	265.71	270.69
tblVehicleEF	LDA	61.36	57.01
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	1.7360e-003	1.5890e-003
tblVehicleEF	LDA	2.3270e-003	2.0370e-003
tblVehicleEF	LDA	1.6000e-003	1.4630e-003
tblVehicleEF	LDA	2.1400e-003	1.8730e-003
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.26
tblVehicleEF	LDA	0.10	0.27
tblVehicleEF	LDA	2.6610e-003	2.6780e-003
tblVehicleEF	LDA	6.3900e-004	5.6400e-004
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	LDA	0.04	0.26
tblVehicleEF	LDA	0.11	0.30
tblVehicleEF	LDT1	0.02	9.4220e-003
tblVehicleEF	LDT1	0.02	0.10
tblVehicleEF	LDT1	1.88	1.84
tblVehicleEF	LDT1	4.45	2.64
tblVehicleEF	LDT1	332.44	327.73
tblVehicleEF	LDT1	74.44	69.37
tblVehicleEF	LDT1	0.20	0.17
tblVehicleEF	LDT1	3.0160e-003	2.6170e-003
tblVehicleEF	LDT1	4.1090e-003	3.3430e-003
tblVehicleEF	LDT1	2.7780e-003	2.4090e-003
tblVehicleEF	LDT1	3.7800e-003	3.0740e-003
tblVehicleEF	LDT1	0.21	0.23
tblVehicleEF	LDT1	0.38	0.31
tblVehicleEF	LDT1	0.14	0.16
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.23	1.04
tblVehicleEF	LDT1	0.32	0.54
tblVehicleEF	LDT1	3.3490e-003	3.2430e-003
tblVehicleEF	LDT1	8.2300e-004	6.8700e-004
tblVehicleEF	LDT1	0.21	0.23
tblVehicleEF	LDT1	0.38	0.31
tblVehicleEF	LDT1	0.14	0.16
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.23	1.04
tblVehicleEF	LDT1	0.35	0.59

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	2.25	2.22
tblVehicleEF	LDT1	3.66	2.18
tblVehicleEF	LDT1	362.07	354.55
tblVehicleEF	LDT1	74.44	68.34
tblVehicleEF	LDT1	0.18	0.16
tblVehicleEF	LDT1	3.0160e-003	2.6170e-003
tblVehicleEF	LDT1	4.1090e-003	3.3430e-003
tblVehicleEF	LDT1	2.7780e-003	2.4090e-003
tblVehicleEF	LDT1	3.7800e-003	3.0740e-003
tblVehicleEF	LDT1	0.42	0.48
tblVehicleEF	LDT1	0.47	0.39
tblVehicleEF	LDT1	0.30	0.34
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	1.04
tblVehicleEF	LDT1	0.27	0.45
tblVehicleEF	LDT1	3.6510e-003	3.5080e-003
tblVehicleEF	LDT1	8.0900e-004	6.7600e-004
tblVehicleEF	LDT1	0.42	0.48
tblVehicleEF	LDT1	0.47	0.39
tblVehicleEF	LDT1	0.30	0.34
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.23	1.04
tblVehicleEF	LDT1	0.29	0.49
tblVehicleEF	LDT1	0.02	9.2010e-003
tblVehicleEF	LDT1	0.02	0.10

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	LDT1	1.79	1.75
tblVehicleEF	LDT1	4.37	2.60
tblVehicleEF	LDT1	325.45	321.36
tblVehicleEF	LDT1	74.44	69.28
tblVehicleEF	LDT1	0.19	0.16
tblVehicleEF	LDT1	3.0160e-003	2.6170e-003
tblVehicleEF	LDT1	4.1090e-003	3.3430e-003
tblVehicleEF	LDT1	2.7780e-003	2.4090e-003
tblVehicleEF	LDT1	3.7800e-003	3.0740e-003
tblVehicleEF	LDT1	0.22	0.24
tblVehicleEF	LDT1	0.44	0.36
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.26	1.22
tblVehicleEF	LDT1	0.32	0.54
tblVehicleEF	LDT1	3.2780e-003	3.1800e-003
tblVehicleEF	LDT1	8.2200e-004	6.8600e-004
tblVehicleEF	LDT1	0.22	0.24
tblVehicleEF	LDT1	0.44	0.36
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.26	1.22
tblVehicleEF	LDT1	0.35	0.59
tblVehicleEF	LDT2	7.5900e-003	5.4250e-003
tblVehicleEF	LDT2	0.01	0.09
tblVehicleEF	LDT2	0.92	1.17
tblVehicleEF	LDT2	2.08	3.01

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	LDT2	375.03	356.41
tblVehicleEF	LDT2	84.46	75.61
tblVehicleEF	LDT2	0.11	0.12
tblVehicleEF	LDT2	1.7360e-003	1.6670e-003
tblVehicleEF	LDT2	2.4270e-003	2.1440e-003
tblVehicleEF	LDT2	1.5970e-003	1.5340e-003
tblVehicleEF	LDT2	2.2320e-003	1.9720e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.14	0.17
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.53
tblVehicleEF	LDT2	0.14	0.42
tblVehicleEF	LDT2	3.7580e-003	3.5260e-003
tblVehicleEF	LDT2	8.8000e-004	7.4800e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.14	0.17
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.08	0.53
tblVehicleEF	LDT2	0.16	0.46
tblVehicleEF	LDT2	8.6210e-003	6.1900e-003
tblVehicleEF	LDT2	8.8260e-003	0.07
tblVehicleEF	LDT2	1.12	1.42
tblVehicleEF	LDT2	1.72	2.48
tblVehicleEF	LDT2	409.49	383.08
tblVehicleEF	LDT2	84.46	74.56

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	1.7360e-003	1.6670e-003
tblVehicleEF	LDT2	2.4270e-003	2.1440e-003
tblVehicleEF	LDT2	1.5970e-003	1.5340e-003
tblVehicleEF	LDT2	2.2320e-003	1.9720e-003
tblVehicleEF	LDT2	0.15	0.23
tblVehicleEF	LDT2	0.17	0.20
tblVehicleEF	LDT2	0.12	0.19
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.52
tblVehicleEF	LDT2	0.12	0.35
tblVehicleEF	LDT2	4.1060e-003	3.7900e-003
tblVehicleEF	LDT2	8.7400e-004	7.3800e-004
tblVehicleEF	LDT2	0.15	0.23
tblVehicleEF	LDT2	0.17	0.20
tblVehicleEF	LDT2	0.12	0.19
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.07	0.52
tblVehicleEF	LDT2	0.13	0.38
tblVehicleEF	LDT2	7.3800e-003	5.2940e-003
tblVehicleEF	LDT2	0.01	0.09
tblVehicleEF	LDT2	0.87	1.11
tblVehicleEF	LDT2	2.04	2.96
tblVehicleEF	LDT2	366.89	350.08
tblVehicleEF	LDT2	84.46	75.53
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	1.7360e-003	1.6670e-003

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	LDT2	2.4270e-003	2.1440e-003
tblVehicleEF	LDT2	1.5970e-003	1.5340e-003
tblVehicleEF	LDT2	2.2320e-003	1.9720e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.16	0.19
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.09	0.61
tblVehicleEF	LDT2	0.14	0.41
tblVehicleEF	LDT2	3.6760e-003	3.4640e-003
tblVehicleEF	LDT2	8.8000e-004	7.4700e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.16	0.19
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.09	0.61
tblVehicleEF	LDT2	0.16	0.45
tblVehicleEF	LHD1	5.6900e-003	5.0880e-003
tblVehicleEF	LHD1	0.01	7.7680e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.27	1.08
tblVehicleEF	LHD1	2.93	1.12
tblVehicleEF	LHD1	9.23	9.45
tblVehicleEF	LHD1	620.09	663.36
tblVehicleEF	LHD1	31.53	11.23
tblVehicleEF	LHD1	0.09	0.08



## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD1	2.40	1.84
tblVehicleEF	LHD1	9.6100e-004	9.3100e-004
tblVehicleEF	LHD1	0.01	9.9320e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0840e-003	2.9900e-004
tblVehicleEF	LHD1	9.1900e-004	8.9100e-004
tblVehicleEF	LHD1	2.5180e-003	2.4830e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.9800e-004	2.7500e-004
tblVehicleEF	LHD1	3.8770e-003	3.4930e-003
tblVehicleEF	LHD1	0.11	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8640e-003	1.6570e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.35	0.65
tblVehicleEF	LHD1	0.30	0.09
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0910e-003	6.4590e-003
tblVehicleEF	LHD1	3.7100e-004	1.1100e-004
tblVehicleEF	LHD1	3.8770e-003	3.4930e-003
tblVehicleEF	LHD1	0.11	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8640e-003	1.6570e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.35	0.65
tblVehicleEF	LHD1	0.33	0.10
tblVehicleEF	LHD1	5.6900e-003	5.1040e-003

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD1	0.02	7.9500e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.29	1.10
tblVehicleEF	LHD1	2.74	1.04
tblVehicleEF	LHD1	9.23	9.45
tblVehicleEF	LHD1	620.09	663.40
tblVehicleEF	LHD1	31.53	11.10
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.25	1.73
tblVehicleEF	LHD1	9.6100e-004	9.3100e-004
tblVehicleEF	LHD1	0.01	9.9320e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0840e-003	2.9900e-004
tblVehicleEF	LHD1	9.1900e-004	8.9100e-004
tblVehicleEF	LHD1	2.5180e-003	2.4830e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.9800e-004	2.7500e-004
tblVehicleEF	LHD1	7.6890e-003	6.9750e-003
tblVehicleEF	LHD1	0.13	0.12
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.2920e-003	3.8740e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.35	0.66
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0910e-003	6.4590e-003

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD1	3.6700e-004	1.1000e-004
tblVehicleEF	LHD1	7.6890e-003	6.9750e-003
tblVehicleEF	LHD1	0.13	0.12
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.2920e-003	3.8740e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.35	0.66
tblVehicleEF	LHD1	0.32	0.10
tblVehicleEF	LHD1	5.6900e-003	5.0910e-003
tblVehicleEF	LHD1	0.01	7.7840e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.27	1.08
tblVehicleEF	LHD1	2.88	1.10
tblVehicleEF	LHD1	9.23	9.45
tblVehicleEF	LHD1	620.09	663.36
tblVehicleEF	LHD1	31.53	11.20
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.36	1.81
tblVehicleEF	LHD1	9.6100e-004	9.3100e-004
tblVehicleEF	LHD1	0.01	9.9320e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0840e-003	2.9900e-004
tblVehicleEF	LHD1	9.1900e-004	8.9100e-004
tblVehicleEF	LHD1	2.5180e-003	2.4830e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.9800e-004	2.7500e-004

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD1	4.3010e-003	3.9210e-003
tblVehicleEF	LHD1	0.13	0.12
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8380e-003	1.6360e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.38	0.70
tblVehicleEF	LHD1	0.30	0.09
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0910e-003	6.4590e-003
tblVehicleEF	LHD1	3.7000e-004	1.1100e-004
tblVehicleEF	LHD1	4.3010e-003	3.9210e-003
tblVehicleEF	LHD1	0.13	0.12
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8380e-003	1.6360e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.38	0.70
tblVehicleEF	LHD1	0.33	0.10
tblVehicleEF	LHD2	4.0010e-003	3.4940e-003
tblVehicleEF	LHD2	5.9170e-003	4.8970e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.63	0.67
tblVehicleEF	LHD2	1.40	0.67
tblVehicleEF	LHD2	14.35	14.68
tblVehicleEF	LHD2	619.96	664.05
tblVehicleEF	LHD2	25.37	8.14
tblVehicleEF	LHD2	0.12	0.12

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD2	1.91	1.99
tblVehicleEF	LHD2	1.3140e-003	1.3790e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	4.6400e-004	1.4200e-004
tblVehicleEF	LHD2	1.2570e-003	1.3190e-003
tblVehicleEF	LHD2	2.6760e-003	2.6850e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2700e-004	1.3000e-004
tblVehicleEF	LHD2	1.5090e-003	1.7180e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.7800e-004	8.5100e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.11	0.33
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	6.0350e-003	6.4090e-003
tblVehicleEF	LHD2	2.8000e-004	8.1000e-005
tblVehicleEF	LHD2	1.5090e-003	1.7180e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7800e-004	8.5100e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.11	0.33
tblVehicleEF	LHD2	0.15	0.06
tblVehicleEF	LHD2	4.0010e-003	3.5050e-003
tblVehicleEF	LHD2	6.0090e-003	4.9550e-003

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD2	9.7620e-003	0.01
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.63	0.68
tblVehicleEF	LHD2	1.32	0.63
tblVehicleEF	LHD2	14.35	14.68
tblVehicleEF	LHD2	619.96	664.06
tblVehicleEF	LHD2	25.37	8.07
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.80	1.87
tblVehicleEF	LHD2	1.3140e-003	1.3790e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	4.6400e-004	1.4200e-004
tblVehicleEF	LHD2	1.2570e-003	1.3190e-003
tblVehicleEF	LHD2	2.6760e-003	2.6850e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2700e-004	1.3000e-004
tblVehicleEF	LHD2	2.9270e-003	3.3570e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.7180e-003	1.9120e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.11	0.33
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	6.0350e-003	6.4090e-003
tblVehicleEF	LHD2	2.7800e-004	8.0000e-005
tblVehicleEF	LHD2	2.9270e-003	3.3570e-003

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.7180e-003	1.9120e-003
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.11	0.33
tblVehicleEF	LHD2	0.14	0.06
tblVehicleEF	LHD2	4.0010e-003	3.4970e-003
tblVehicleEF	LHD2	5.9270e-003	4.9040e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.63	0.67
tblVehicleEF	LHD2	1.38	0.66
tblVehicleEF	LHD2	14.35	14.68
tblVehicleEF	LHD2	619.96	664.05
tblVehicleEF	LHD2	25.37	8.12
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.88	1.96
tblVehicleEF	LHD2	1.3140e-003	1.3790e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	4.6400e-004	1.4200e-004
tblVehicleEF	LHD2	1.2570e-003	1.3190e-003
tblVehicleEF	LHD2	2.6760e-003	2.6850e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2700e-004	1.3000e-004
tblVehicleEF	LHD2	1.5970e-003	1.8540e-003
tblVehicleEF	LHD2	0.05	0.06

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.6400e-004	8.3300e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.11	0.35
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	6.0350e-003	6.4090e-003
tblVehicleEF	LHD2	2.7900e-004	8.0000e-005
tblVehicleEF	LHD2	1.5970e-003	1.8540e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.6400e-004	8.3300e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.11	0.35
tblVehicleEF	LHD2	0.15	0.06
tblVehicleEF	MCY	0.41	0.33
tblVehicleEF	MCY	0.16	0.25
tblVehicleEF	MCY	21.63	21.70
tblVehicleEF	MCY	9.90	8.75
tblVehicleEF	MCY	166.31	211.44
tblVehicleEF	MCY	47.31	62.20
tblVehicleEF	MCY	1.17	1.18
tblVehicleEF	MCY	1.7690e-003	1.7420e-003
tblVehicleEF	MCY	3.8320e-003	3.1620e-003
tblVehicleEF	MCY	1.6590e-003	1.6340e-003
tblVehicleEF	MCY	3.6220e-003	2.9860e-003
tblVehicleEF	MCY	1.45	1.43
tblVehicleEF	MCY	0.86	0.84



## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	MCY	0.81	0.80
tblVehicleEF	MCY	2.28	2.28
tblVehicleEF	MCY	0.51	2.16
tblVehicleEF	MCY	2.19	1.93
tblVehicleEF	MCY	2.0810e-003	2.0920e-003
tblVehicleEF	MCY	7.0000e-004	6.1600e-004
tblVehicleEF	MCY	1.45	1.43
tblVehicleEF	MCY	0.86	0.84
tblVehicleEF	MCY	0.81	0.80
tblVehicleEF	MCY	2.77	2.77
tblVehicleEF	MCY	0.51	2.16
tblVehicleEF	MCY	2.38	2.10
tblVehicleEF	MCY	0.41	0.33
tblVehicleEF	MCY	0.14	0.22
tblVehicleEF	MCY	21.75	21.83
tblVehicleEF	MCY	9.07	7.97
tblVehicleEF	MCY	166.31	211.41
tblVehicleEF	MCY	47.31	60.03
tblVehicleEF	MCY	1.00	1.00
tblVehicleEF	MCY	1.7690e-003	1.7420e-003
tblVehicleEF	MCY	3.8320e-003	3.1620e-003
tblVehicleEF	MCY	1.6590e-003	1.6340e-003
tblVehicleEF	MCY	3.6220e-003	2.9860e-003
tblVehicleEF	MCY	3.14	3.12
tblVehicleEF	MCY	1.28	1.27
tblVehicleEF	MCY	2.15	2.12
tblVehicleEF	MCY	2.21	2.21

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	MCY	0.50	2.15
tblVehicleEF	MCY	1.88	1.65
tblVehicleEF	MCY	2.0810e-003	2.0920e-003
tblVehicleEF	MCY	6.7600e-004	5.9400e-004
tblVehicleEF	MCY	3.14	3.12
tblVehicleEF	MCY	1.28	1.27
tblVehicleEF	MCY	2.15	2.12
tblVehicleEF	MCY	2.70	2.69
tblVehicleEF	MCY	0.50	2.15
tblVehicleEF	MCY	2.05	1.79
tblVehicleEF	MCY	0.41	0.33
tblVehicleEF	MCY	0.15	0.25
tblVehicleEF	MCY	20.62	20.68
tblVehicleEF	MCY	9.51	8.39
tblVehicleEF	MCY	166.31	209.68
tblVehicleEF	MCY	47.31	61.38
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	1.7690e-003	1.7420e-003
tblVehicleEF	MCY	3.8320e-003	3.1620e-003
tblVehicleEF	MCY	1.6590e-003	1.6340e-003
tblVehicleEF	MCY	3.6220e-003	2.9860e-003
tblVehicleEF	MCY	1.71	1.69
tblVehicleEF	MCY	1.15	1.12
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.24	2.23
tblVehicleEF	MCY	0.57	2.45
tblVehicleEF	MCY	2.11	1.85

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	MCY	2.0640e-003	2.0750e-003
tblVehicleEF	MCY	6.9100e-004	6.0700e-004
tblVehicleEF	MCY	1.71	1.69
tblVehicleEF	MCY	1.15	1.12
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.73	2.72
tblVehicleEF	MCY	0.57	2.45
tblVehicleEF	MCY	2.30	2.01
tblVehicleEF	MDV	0.02	7.4600e-003
tblVehicleEF	MDV	0.02	0.11
tblVehicleEF	MDV	1.73	1.47
tblVehicleEF	MDV	3.93	3.71
tblVehicleEF	MDV	510.99	438.31
tblVehicleEF	MDV	113.32	92.88
tblVehicleEF	MDV	0.22	0.16
tblVehicleEF	MDV	1.8900e-003	1.7940e-003
tblVehicleEF	MDV	2.6570e-003	2.2880e-003
tblVehicleEF	MDV	1.7440e-003	1.6560e-003
tblVehicleEF	MDV	2.4460e-003	2.1070e-003
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.21	0.19
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.31	0.54
tblVehicleEF	MDV	5.1260e-003	4.3340e-003
tblVehicleEF	MDV	1.2030e-003	9.1900e-004

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.21	0.19
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.34	0.59
tblVehicleEF	MDV	0.02	8.4130e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	2.07	1.77
tblVehicleEF	MDV	3.28	3.07
tblVehicleEF	MDV	556.34	466.62
tblVehicleEF	MDV	113.32	91.58
tblVehicleEF	MDV	0.20	0.14
tblVehicleEF	MDV	1.8900e-003	1.7940e-003
tblVehicleEF	MDV	2.6570e-003	2.2880e-003
tblVehicleEF	MDV	1.7440e-003	1.6560e-003
tblVehicleEF	MDV	2.4460e-003	2.1070e-003
tblVehicleEF	MDV	0.21	0.26
tblVehicleEF	MDV	0.25	0.22
tblVehicleEF	MDV	0.18	0.22
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.26	0.45
tblVehicleEF	MDV	5.5850e-003	4.6140e-003
tblVehicleEF	MDV	1.1910e-003	9.0600e-004
tblVehicleEF	MDV	0.21	0.26
tblVehicleEF	MDV	0.25	0.22

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	MDV	0.18	0.22
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.29	0.50
tblVehicleEF	MDV	0.01	7.2640e-003
tblVehicleEF	MDV	0.02	0.11
tblVehicleEF	MDV	1.63	1.39
tblVehicleEF	MDV	3.86	3.65
tblVehicleEF	MDV	500.39	431.57
tblVehicleEF	MDV	113.32	92.77
tblVehicleEF	MDV	0.21	0.15
tblVehicleEF	MDV	1.8900e-003	1.7940e-003
tblVehicleEF	MDV	2.6570e-003	2.2880e-003
tblVehicleEF	MDV	1.7440e-003	1.6560e-003
tblVehicleEF	MDV	2.4460e-003	2.1070e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.63
tblVehicleEF	MDV	0.31	0.54
tblVehicleEF	MDV	5.0190e-003	4.2670e-003
tblVehicleEF	MDV	1.2020e-003	9.1800e-004
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.06	0.05

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	MDV	0.13	0.63
tblVehicleEF	MDV	0.34	0.59
tblVehicleEF	MH	0.04	3.9290e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	4.29	0.37
tblVehicleEF	MH	7.50	0.00
tblVehicleEF	MH	1,044.38	962.75
tblVehicleEF	MH	61.75	0.00
tblVehicleEF	MH	1.73	4.84
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.16
tblVehicleEF	MH	1.5070e-003	0.00
tblVehicleEF	MH	3.2190e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.15
tblVehicleEF	MH	1.3940e-003	0.00
tblVehicleEF	MH	1.65	0.00
tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	0.56	0.00
tblVehicleEF	MH	0.14	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.45	0.00
tblVehicleEF	MH	0.01	9.1010e-003
tblVehicleEF	MH	7.4900e-004	0.00
tblVehicleEF	MH	1.65	0.00
tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	0.56	0.00
tblVehicleEF	MH	0.19	0.10

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.49	0.00
tblVehicleEF	MH	0.05	3.9290e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	4.46	0.37
tblVehicleEF	MH	6.85	0.00
tblVehicleEF	MH	1,044.38	962.75
tblVehicleEF	MH	61.75	0.00
tblVehicleEF	MH	1.58	4.55
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.16
tblVehicleEF	MH	1.5070e-003	0.00
tblVehicleEF	MH	3.2190e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.15
tblVehicleEF	MH	1.3940e-003	0.00
tblVehicleEF	MH	3.30	0.00
tblVehicleEF	MH	0.12	0.00
tblVehicleEF	MH	1.37	0.00
tblVehicleEF	MH	0.14	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.01	9.1010e-003
tblVehicleEF	MH	7.3800e-004	0.00
tblVehicleEF	MH	3.30	0.00
tblVehicleEF	MH	0.12	0.00
tblVehicleEF	MH	1.37	0.00
tblVehicleEF	MH	0.20	0.10

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.46	0.00
tblVehicleEF	MH	0.04	3.9290e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	4.28	0.37
tblVehicleEF	MH	7.39	0.00
tblVehicleEF	MH	1,044.38	962.75
tblVehicleEF	MH	61.75	0.00
tblVehicleEF	MH	1.69	4.76
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.16
tblVehicleEF	MH	1.5070e-003	0.00
tblVehicleEF	MH	3.2190e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.15
tblVehicleEF	MH	1.3940e-003	0.00
tblVehicleEF	MH	2.00	0.00
tblVehicleEF	MH	0.13	0.00
tblVehicleEF	MH	0.59	0.00
tblVehicleEF	MH	0.14	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.44	0.00
tblVehicleEF	MH	0.01	9.1010e-003
tblVehicleEF	MH	7.4700e-004	0.00
tblVehicleEF	MH	2.00	0.00
tblVehicleEF	MH	0.13	0.00
tblVehicleEF	MH	0.59	0.00
tblVehicleEF	MH	0.19	0.10



Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.49	0.00
tblVehicleEF	MHD	0.02	3.2690e-003
tblVehicleEF	MHD	6.5200e-003	7.4410e-003
tblVehicleEF	MHD	0.06	9.2700e-003
tblVehicleEF	MHD	0.41	0.34
tblVehicleEF	MHD	0.48	0.67
tblVehicleEF	MHD	6.64	1.11
tblVehicleEF	MHD	157.61	72.65
tblVehicleEF	MHD	1,102.10	1,047.06
tblVehicleEF	MHD	54.49	8.73
tblVehicleEF	MHD	0.99	0.68
tblVehicleEF	MHD	1.67	2.66
tblVehicleEF	MHD	2.8010e-003	2.4760e-003
tblVehicleEF	MHD	0.04	0.08
tblVehicleEF	MHD	8.7800e-004	1.1500e-004
tblVehicleEF	MHD	2.6800e-003	2.3690e-003
tblVehicleEF	MHD	0.04	0.08
tblVehicleEF	MHD	8.0700e-004	1.0600e-004
tblVehicleEF	MHD	1.5850e-003	7.5000e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.7500e-004	3.6500e-004
tblVehicleEF	MHD	0.08	0.13
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.40	0.05
tblVehicleEF	MHD	1.5150e-003	6.8900e-004

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	MHD	0.01	9.9770e-003
tblVehicleEF	MHD	6.6100e-004	8.6000e-005
tblVehicleEF	MHD	1.5850e-003	7.5000e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.7500e-004	3.6500e-004
tblVehicleEF	MHD	0.09	0.15
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.44	0.05
tblVehicleEF	MHD	0.02	3.0990e-003
tblVehicleEF	MHD	6.6290e-003	7.5050e-003
tblVehicleEF	MHD	0.06	8.8360e-003
tblVehicleEF	MHD	0.29	0.28
tblVehicleEF	MHD	0.49	0.68
tblVehicleEF	MHD	6.20	1.04
tblVehicleEF	MHD	166.94	74.24
tblVehicleEF	MHD	1,102.10	1,047.07
tblVehicleEF	MHD	54.49	8.61
tblVehicleEF	MHD	1.02	0.69
tblVehicleEF	MHD	1.57	2.50
tblVehicleEF	MHD	2.3620e-003	2.0900e-003
tblVehicleEF	MHD	0.04	0.08
tblVehicleEF	MHD	8.7800e-004	1.1500e-004
tblVehicleEF	MHD	2.2590e-003	1.9990e-003
tblVehicleEF	MHD	0.04	0.08
tblVehicleEF	MHD	8.0700e-004	1.0600e-004
tblVehicleEF	MHD	3.1650e-003	1.5010e-003

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	MHD	0.06	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.8350e-003	8.6900e-004
tblVehicleEF	MHD	0.08	0.13
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.38	0.05
tblVehicleEF	MHD	1.6030e-003	7.0400e-004
tblVehicleEF	MHD	0.01	9.9770e-003
tblVehicleEF	MHD	6.5400e-004	8.5000e-005
tblVehicleEF	MHD	3.1650e-003	1.5010e-003
tblVehicleEF	MHD	0.06	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	1.8350e-003	8.6900e-004
tblVehicleEF	MHD	0.09	0.15
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.42	0.05
tblVehicleEF	MHD	0.02	3.5160e-003
tblVehicleEF	MHD	6.5300e-003	7.4460e-003
tblVehicleEF	MHD	0.06	9.1670e-003
tblVehicleEF	MHD	0.56	0.43
tblVehicleEF	MHD	0.48	0.68
tblVehicleEF	MHD	6.52	1.09
tblVehicleEF	MHD	144.70	70.46
tblVehicleEF	MHD	1,102.10	1,047.06
tblVehicleEF	MHD	54.49	8.70
tblVehicleEF	MHD	0.94	0.66
tblVehicleEF	MHD	1.64	2.61

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	MHD	3.4090e-003	3.0090e-003
tblVehicleEF	MHD	0.04	0.08
tblVehicleEF	MHD	8.7800e-004	1.1500e-004
tblVehicleEF	MHD	3.2610e-003	2.8790e-003
tblVehicleEF	MHD	0.04	0.08
tblVehicleEF	MHD	8.0700e-004	1.0600e-004
tblVehicleEF	MHD	1.7730e-003	8.4100e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.6800e-004	3.6200e-004
tblVehicleEF	MHD	0.08	0.13
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.40	0.05
tblVehicleEF	MHD	1.3930e-003	6.6800e-004
tblVehicleEF	MHD	0.01	9.9770e-003
tblVehicleEF	MHD	6.5900e-004	8.6000e-005
tblVehicleEF	MHD	1.7730e-003	8.4100e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.6800e-004	3.6200e-004
tblVehicleEF	MHD	0.09	0.15
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.43	0.05
tblVehicleEF	OBUS	0.01	9.4880e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.27	0.49

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	OBUS	0.84	1.38
tblVehicleEF	OBUS	7.08	2.89
tblVehicleEF	OBUS	69.66	68.94
tblVehicleEF	OBUS	1,125.58	1,531.86
tblVehicleEF	OBUS	71.49	22.61
tblVehicleEF	OBUS	0.36	0.44
tblVehicleEF	OBUS	1.31	1.73
tblVehicleEF	OBUS	1.6600e-004	2.0970e-003
tblVehicleEF	OBUS	6.3680e-003	0.03
tblVehicleEF	OBUS	9.0100e-004	2.3900e-004
tblVehicleEF	OBUS	1.5900e-004	2.0060e-003
tblVehicleEF	OBUS	6.0730e-003	0.03
tblVehicleEF	OBUS	8.2900e-004	2.2000e-004
tblVehicleEF	OBUS	2.2890e-003	2.8330e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	9.6000e-004	1.1430e-003
tblVehicleEF	OBUS	0.05	0.10
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.44	0.14
tblVehicleEF	OBUS	6.7700e-004	6.5900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.3900e-004	2.2400e-004
tblVehicleEF	OBUS	2.2890e-003	2.8330e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.6000e-004	1.1430e-003

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	OBUS	0.07	0.13
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.48	0.15
tblVehicleEF	OBUS	0.01	9.5010e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.26	0.46
tblVehicleEF	OBUS	0.86	1.41
tblVehicleEF	OBUS	6.48	2.65
tblVehicleEF	OBUS	72.76	69.63
tblVehicleEF	OBUS	1,125.58	1,531.92
tblVehicleEF	OBUS	71.49	22.21
tblVehicleEF	OBUS	0.37	0.44
tblVehicleEF	OBUS	1.21	1.60
tblVehicleEF	OBUS	1.4000e-004	1.7700e-003
tblVehicleEF	OBUS	6.3680e-003	0.03
tblVehicleEF	OBUS	9.0100e-004	2.3900e-004
tblVehicleEF	OBUS	1.3400e-004	1.6940e-003
tblVehicleEF	OBUS	6.0730e-003	0.03
tblVehicleEF	OBUS	8.2900e-004	2.2000e-004
tblVehicleEF	OBUS	4.4650e-003	5.5400e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	2.2300e-003	2.6720e-003
tblVehicleEF	OBUS	0.06	0.10
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.41	0.13

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	OBUS	7.0700e-004	6.6500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2900e-004	2.2000e-004
tblVehicleEF	OBUS	4.4650e-003	5.5400e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.2300e-003	2.6720e-003
tblVehicleEF	OBUS	0.07	0.13
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.45	0.15
tblVehicleEF	OBUS	0.01	9.5070e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.29	0.52
tblVehicleEF	OBUS	0.84	1.38
tblVehicleEF	OBUS	7.02	2.87
tblVehicleEF	OBUS	65.38	68.00
tblVehicleEF	OBUS	1,125.58	1,531.87
tblVehicleEF	OBUS	71.49	22.58
tblVehicleEF	OBUS	0.35	0.44
tblVehicleEF	OBUS	1.28	1.70
tblVehicleEF	OBUS	2.0300e-004	2.5470e-003
tblVehicleEF	OBUS	6.3680e-003	0.03
tblVehicleEF	OBUS	9.0100e-004	2.3900e-004
tblVehicleEF	OBUS	1.9400e-004	2.4370e-003
tblVehicleEF	OBUS	6.0730e-003	0.03
tblVehicleEF	OBUS	8.2900e-004	2.2000e-004

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	OBUS	2.4760e-003	3.1080e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	9.7500e-004	1.1620e-003
tblVehicleEF	OBUS	0.05	0.10
tblVehicleEF	OBUS	0.06	0.33
tblVehicleEF	OBUS	0.44	0.14
tblVehicleEF	OBUS	6.3600e-004	6.5000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.3800e-004	2.2300e-004
tblVehicleEF	OBUS	2.4760e-003	3.1080e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.7500e-004	1.1620e-003
tblVehicleEF	OBUS	0.07	0.13
tblVehicleEF	OBUS	0.06	0.33
tblVehicleEF	OBUS	0.48	0.15
tblVehicleEF	SBUS	0.87	0.04
tblVehicleEF	SBUS	0.01	7.8850e-003
tblVehicleEF	SBUS	0.08	3.7580e-003
tblVehicleEF	SBUS	5.54	1.74
tblVehicleEF	SBUS	0.77	0.66
tblVehicleEF	SBUS	5.64	0.52
tblVehicleEF	SBUS	1,282.62	337.41
tblVehicleEF	SBUS	1,152.18	1,158.46
tblVehicleEF	SBUS	35.03	3.01
tblVehicleEF	SBUS	13.20	3.54



Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	SBUS	5.57	5.66
tblVehicleEF	SBUS	0.02	4.9280e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0700e-004	2.8000e-005
tblVehicleEF	SBUS	0.01	4.7150e-003
tblVehicleEF	SBUS	2.7710e-003	2.7830e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	4.6600e-004	2.6000e-005
tblVehicleEF	SBUS	3.3280e-003	7.8600e-004
tblVehicleEF	SBUS	0.02	5.8070e-003
tblVehicleEF	SBUS	0.67	0.18
tblVehicleEF	SBUS	1.3510e-003	3.4400e-004
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.29	0.02
tblVehicleEF	SBUS	0.01	3.2060e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.4800e-004	3.0000e-005
tblVehicleEF	SBUS	3.3280e-003	7.8600e-004
tblVehicleEF	SBUS	0.02	5.8070e-003
tblVehicleEF	SBUS	0.95	0.26
tblVehicleEF	SBUS	1.3510e-003	3.4400e-004
tblVehicleEF	SBUS	0.15	0.13
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	0.87	0.04

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	SBUS	0.01	7.9830e-003
tblVehicleEF	SBUS	0.06	3.1210e-003
tblVehicleEF	SBUS	5.38	1.70
tblVehicleEF	SBUS	0.78	0.67
tblVehicleEF	SBUS	3.86	0.37
tblVehicleEF	SBUS	1,348.56	346.48
tblVehicleEF	SBUS	1,152.18	1,158.48
tblVehicleEF	SBUS	35.03	2.75
tblVehicleEF	SBUS	13.63	3.62
tblVehicleEF	SBUS	5.22	5.31
tblVehicleEF	SBUS	0.01	4.1620e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0700e-004	2.8000e-005
tblVehicleEF	SBUS	0.01	3.9820e-003
tblVehicleEF	SBUS	2.7710e-003	2.7830e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	4.6600e-004	2.6000e-005
tblVehicleEF	SBUS	6.4210e-003	1.4060e-003
tblVehicleEF	SBUS	0.03	6.2120e-003
tblVehicleEF	SBUS	0.66	0.18
tblVehicleEF	SBUS	3.0640e-003	6.6900e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.24	0.02
tblVehicleEF	SBUS	0.01	3.2910e-003
tblVehicleEF	SBUS	0.01	0.01

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	SBUS	4.1800e-004	2.7000e-005
tblVehicleEF	SBUS	6.4210e-003	1.4060e-003
tblVehicleEF	SBUS	0.03	6.2120e-003
tblVehicleEF	SBUS	0.95	0.26
tblVehicleEF	SBUS	3.0640e-003	6.6900e-004
tblVehicleEF	SBUS	0.15	0.13
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.26	0.02
tblVehicleEF	SBUS	0.88	0.04
tblVehicleEF	SBUS	0.01	7.8800e-003
tblVehicleEF	SBUS	0.08	3.8540e-003
tblVehicleEF	SBUS	5.77	1.80
tblVehicleEF	SBUS	0.77	0.66
tblVehicleEF	SBUS	5.69	0.54
tblVehicleEF	SBUS	1,191.56	324.88
tblVehicleEF	SBUS	1,152.18	1,158.46
tblVehicleEF	SBUS	35.03	3.04
tblVehicleEF	SBUS	12.62	3.43
tblVehicleEF	SBUS	5.48	5.57
tblVehicleEF	SBUS	0.02	5.9860e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0700e-004	2.8000e-005
tblVehicleEF	SBUS	0.02	5.7270e-003
tblVehicleEF	SBUS	2.7710e-003	2.7830e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	4.6600e-004	2.6000e-005

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	SBUS	3.5990e-003	8.1900e-004
tblVehicleEF	SBUS	0.03	6.4950e-003
tblVehicleEF	SBUS	0.67	0.18
tblVehicleEF	SBUS	1.3510e-003	3.5700e-004
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.30	0.02
tblVehicleEF	SBUS	0.01	3.0870e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.4900e-004	3.0000e-005
tblVehicleEF	SBUS	3.5990e-003	8.1900e-004
tblVehicleEF	SBUS	0.03	6.4950e-003
tblVehicleEF	SBUS	0.96	0.26
tblVehicleEF	SBUS	1.3510e-003	3.5700e-004
tblVehicleEF	SBUS	0.15	0.13
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.33	0.02
tblVehicleEF	UBUS	2.06	4.21
tblVehicleEF	UBUS	0.09	0.02
tblVehicleEF	UBUS	10.29	32.46
tblVehicleEF	UBUS	15.37	1.48
tblVehicleEF	UBUS	1,878.06	1,734.42
tblVehicleEF	UBUS	133.67	17.53
tblVehicleEF	UBUS	7.05	0.44
tblVehicleEF	UBUS	0.53	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.08	2.6710e-003

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	UBUS	1.3540e-003	1.5800e-004
tblVehicleEF	UBUS	0.23	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.08	2.5430e-003
tblVehicleEF	UBUS	1.2450e-003	1.4500e-004
tblVehicleEF	UBUS	8.7400e-003	1.5800e-003
tblVehicleEF	UBUS	0.13	9.1420e-003
tblVehicleEF	UBUS	4.1930e-003	6.5600e-004
tblVehicleEF	UBUS	0.72	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.23	0.07
tblVehicleEF	UBUS	0.01	4.0080e-003
tblVehicleEF	UBUS	1.6160e-003	1.7300e-004
tblVehicleEF	UBUS	8.7400e-003	1.5800e-003
tblVehicleEF	UBUS	0.13	9.1420e-003
tblVehicleEF	UBUS	4.1930e-003	6.5600e-004
tblVehicleEF	UBUS	2.85	4.31
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.34	0.08
tblVehicleEF	UBUS	2.07	4.21
tblVehicleEF	UBUS	0.08	0.02
tblVehicleEF	UBUS	10.40	32.46
tblVehicleEF	UBUS	12.59	1.21
tblVehicleEF	UBUS	1,878.06	1,734.42
tblVehicleEF	UBUS	133.67	17.09
tblVehicleEF	UBUS	6.56	0.44
tblVehicleEF	UBUS	0.53	0.08

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.08	2.6710e-003
tblVehicleEF	UBUS	1.3540e-003	1.5800e-004
tblVehicleEF	UBUS	0.23	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.08	2.5430e-003
tblVehicleEF	UBUS	1.2450e-003	1.4500e-004
tblVehicleEF	UBUS	0.02	3.0300e-003
tblVehicleEF	UBUS	0.16	0.01
tblVehicleEF	UBUS	9.9910e-003	1.5490e-003
tblVehicleEF	UBUS	0.73	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.09	0.06
tblVehicleEF	UBUS	0.01	4.0080e-003
tblVehicleEF	UBUS	1.5680e-003	1.6900e-004
tblVehicleEF	UBUS	0.02	3.0300e-003
tblVehicleEF	UBUS	0.16	0.01
tblVehicleEF	UBUS	9.9910e-003	1.5490e-003
tblVehicleEF	UBUS	2.87	4.31
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.20	0.07
tblVehicleEF	UBUS	2.06	4.21
tblVehicleEF	UBUS	0.09	0.02
tblVehicleEF	UBUS	10.30	32.46
tblVehicleEF	UBUS	14.85	1.44
tblVehicleEF	UBUS	1,878.06	1,734.42
tblVehicleEF	UBUS	133.67	17.48

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleEF	UBUS	6.92	0.44
tblVehicleEF	UBUS	0.53	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.08	2.6710e-003
tblVehicleEF	UBUS	1.3540e-003	1.5800e-004
tblVehicleEF	UBUS	0.23	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.08	2.5430e-003
tblVehicleEF	UBUS	1.2450e-003	1.4500e-004
tblVehicleEF	UBUS	0.01	1.6780e-003
tblVehicleEF	UBUS	0.16	0.01
tblVehicleEF	UBUS	4.4110e-003	6.4600e-004
tblVehicleEF	UBUS	0.72	0.07
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.21	0.07
tblVehicleEF	UBUS	0.01	4.0080e-003
tblVehicleEF	UBUS	1.6070e-003	1.7300e-004
tblVehicleEF	UBUS	0.01	1.6780e-003
tblVehicleEF	UBUS	0.16	0.01
tblVehicleEF	UBUS	4.4110e-003	6.4600e-004
tblVehicleEF	UBUS	2.86	4.31
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.32	0.08
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	CW_TTP	59.00	100.00

## Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.68	1.45
tblVehicleTrips	ST_TR	1.68	0.12
tblVehicleTrips	SU_TR	1.68	1.45
tblVehicleTrips	SU_TR	1.68	0.48
tblVehicleTrips	WD_TR	1.68	1.45
tblVehicleTrips	WD_TR	1.68	1.39

## 2.0 Emissions Summary

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Kaiser Commerce Center (Operations - Passenger Cars) - 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	3.8174	5.2000e-004	0.0562	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.2000e-004		0.1276
Energy	0.0552	0.5019	0.4216	3.0100e-003		0.0381	0.0381		0.0381	0.0381		602.2568	602.2568	0.0115	0.0110	605.8357
Mobile	0.7224	0.7703	9.3182	0.0265	2.9256	0.0153	2.9409	0.7755	0.0141	0.7897		2,676.1320	2,676.1320	0.0749		2,678.0039
Offroad	0.1470	1.7867	0.7804	3.1700e-003		0.0586	0.0586		0.0539	0.0539		307.0332	307.0332	0.0993		309.5158
<b>Total</b>	<b>4.7420</b>	<b>3.0594</b>	<b>10.5764</b>	<b>0.0327</b>	<b>2.9256</b>	<b>0.1123</b>	<b>3.0379</b>	<b>0.7755</b>	<b>0.1064</b>	<b>0.8819</b>		<b>3,585.5416</b>	<b>3,585.5416</b>	<b>0.1860</b>	<b>0.0110</b>	<b>3,593.4829</b>

Kaiser Commerce Center (Operations - Passenger Cars) - 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	3.8174	5.2000e-004	0.0562	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.2000e-004		0.1276
Energy	0.0552	0.5019	0.4216	3.0100e-003		0.0381	0.0381		0.0381	0.0381		602.2568	602.2568	0.0115	0.0110	605.8357
Mobile	0.7224	0.7703	9.3182	0.0265	2.9256	0.0153	2.9409	0.7755	0.0141	0.7897		2,676.1320	2,676.1320	0.0749		2,678.0039
Offroad	0.1470	1.7867	0.7804	3.1700e-003		0.0586	0.0586		0.0539	0.0539		307.0332	307.0332	0.0993		309.5158
<b>Total</b>	<b>4.7420</b>	<b>3.0594</b>	<b>10.5764</b>	<b>0.0327</b>	<b>2.9256</b>	<b>0.1123</b>	<b>3.0379</b>	<b>0.7755</b>	<b>0.1064</b>	<b>0.8819</b>		<b>3,585.5416</b>	<b>3,585.5416</b>	<b>0.1860</b>	<b>0.0110</b>	<b>3,593.4829</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
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	Demolition	Demolition	5/4/2020	5/3/2020	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

**Acres of Paving: 6.33**

**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
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

**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
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**



Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

**3.2 Demolition - 2020**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**4.0 Operational Detail - Mobile**

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Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.7224	0.7703	9.3182	0.0265	2.9256	0.0153	2.9409	0.7755	0.0141	0.7897		2,676.1320	2,676.1320	0.0749		2,678.0039
Unmitigated	0.7224	0.7703	9.3182	0.0265	2.9256	0.0153	2.9409	0.7755	0.0141	0.7897		2,676.1320	2,676.1320	0.0749		2,678.0039

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	48.01	48.01	48.01	290,098	290,098
Unrefrigerated Warehouse-No Rail	183.97	15.87	63.48	862,524	862,524
<b>Total</b>	<b>231.98</b>	<b>63.88</b>	<b>111.49</b>	<b>1,152,622</b>	<b>1,152,622</b>

**4.3 Trip Type Information**

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

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
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
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	100.00	0.00	0.00	100	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
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
Refrigerated Warehouse-No Rail	0.616300	0.042900	0.202100	0.138700	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-No Rail	0.616300	0.042900	0.202100	0.138700	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy



Kaiser Commerce Center (Operations - Passenger Cars) - 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					
NaturalGas Mitigated	0.0552	0.5019	0.4216	3.0100e-003		0.0381	0.0381		0.0381	0.0381		602.2568	602.2568	0.0115	0.0110	605.8357
NaturalGas Unmitigated	0.0552	0.5019	0.4216	3.0100e-003		0.0381	0.0381		0.0381	0.0381		602.2568	602.2568	0.0115	0.0110	605.8357

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					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	4601.02	0.0496	0.4511	0.3789	2.7100e-003		0.0343	0.0343		0.0343	0.0343		541.2962	541.2962	0.0104	9.9200e-003	544.5128
Unrefrigerated Warehouse-No Rail	518.165	5.5900e-003	0.0508	0.0427	3.0000e-004		3.8600e-003	3.8600e-003		3.8600e-003	3.8600e-003		60.9606	60.9606	1.1700e-003	1.1200e-003	61.3229
<b>Total</b>		<b>0.0552</b>	<b>0.5019</b>	<b>0.4216</b>	<b>3.0100e-003</b>		<b>0.0381</b>	<b>0.0381</b>		<b>0.0381</b>	<b>0.0381</b>		<b>602.2568</b>	<b>602.2568</b>	<b>0.0115</b>	<b>0.0110</b>	<b>605.8357</b>

Kaiser Commerce Center (Operations - Passenger Cars) - 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						
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	4.60102	0.0496	0.4511	0.3789	2.7100e-003		0.0343	0.0343		0.0343	0.0343		541.2962	541.2962	0.0104	9.9200e-003	544.5128	
Unrefrigerated Warehouse-No Rail	0.518165	5.5900e-003	0.0508	0.0427	3.0000e-004		3.8600e-003	3.8600e-003		3.8600e-003	3.8600e-003		60.9606	60.9606	1.1700e-003	1.1200e-003	61.3229	
<b>Total</b>		<b>0.0552</b>	<b>0.5019</b>	<b>0.4216</b>	<b>3.0100e-003</b>		<b>0.0381</b>	<b>0.0381</b>		<b>0.0381</b>	<b>0.0381</b>		<b>602.2568</b>	<b>602.2568</b>	<b>0.0115</b>	<b>0.0110</b>	<b>605.8357</b>	

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Kaiser Commerce Center (Operations - Passenger Cars) - 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	3.8174	5.2000e-004	0.0562	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.2000e-004		0.1276
Unmitigated	3.8174	5.2000e-004	0.0562	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.2000e-004		0.1276

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	0.4409					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.3712					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.2800e-003	5.2000e-004	0.0562	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.2000e-004		0.1276
<b>Total</b>	<b>3.8174</b>	<b>5.2000e-004</b>	<b>0.0562</b>	<b>0.0000</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>		<b>0.1196</b>	<b>0.1196</b>	<b>3.2000e-004</b>		<b>0.1276</b>

Kaiser Commerce Center (Operations - Passenger Cars) - 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	0.4409					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.3712					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.2800e-003	5.2000e-004	0.0562	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.2000e-004		0.1276
<b>Total</b>	<b>3.8174</b>	<b>5.2000e-004</b>	<b>0.0562</b>	<b>0.0000</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>		<b>0.1196</b>	<b>0.1196</b>	<b>3.2000e-004</b>		<b>0.1276</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	1	4.00	365	200	0.37	Diesel

Kaiser Commerce Center (Operations - Passenger Cars) - San Bernardino-South Coast County, Winter

**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					
Tractors/Loaders/Backhoes	0.1470	1.7867	0.7804	3.1700e-003		0.0586	0.0586		0.0539	0.0539		307.0332	307.0332	0.0993		309.5158
<b>Total</b>	<b>0.1470</b>	<b>1.7867</b>	<b>0.7804</b>	<b>3.1700e-003</b>		<b>0.0586</b>	<b>0.0586</b>		<b>0.0539</b>	<b>0.0539</b>		<b>307.0332</b>	<b>307.0332</b>	<b>0.0993</b>		<b>309.5158</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**

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**APPENDIX 3.3:**

**CALEEMOD OPERATIONAL (TRUCKS) EMISSIONS MODEL OUTPUTS**

Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

**Kaiser Commerce Center (Operations - Trucks)**  
**San Bernardino-South Coast County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	33.07	1000sqft	0.76	33,065.00	0
Unrefrigerated Warehouse-No Rail	132.26	1000sqft	3.04	132,259.00	0
Other Asphalt Surfaces	139.85	1000sqft	3.21	139,847.00	0
Other Non-Asphalt Surfaces	66.24	1000sqft	1.52	66,235.00	0
Parking Lot	175.00	Space	1.60	70,000.00	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>	702.44	<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**



Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

Project Characteristics -

Land Use - Total Project Area is 10.13 acres.

Construction Phase - Operations Run Only.

Off-road Equipment - Operations Run Only.

Trips and VMT - Operations Run Only.

Vehicle Trips - Trip Characteristics based on information provided in the Kaiser Commerce Center Warehouse Trip Generation Assessment by Urban Crossroads, Inc.

Energy Use - The project will design building shells and building components to meet 2019 Title 24 Standards which expects 30% less energy for nonresidential uses.

Operational Off-Road Equipment - Based on SCAQMD High Cube Warehouse Truck Trip Study White Paper Summary of Business Survey Results (2014)

Fleet Mix - Truck Fleet Mix estimated by rationing the Trip Rates for each truck type based on information provided in the TIA.

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblEnergyUse	LightingElect	2.37	1.66
tblEnergyUse	LightingElect	1.17	0.82
tblEnergyUse	T24E	1.06	0.74
tblEnergyUse	T24E	0.37	0.26
tblEnergyUse	T24NG	3.25	2.28
tblEnergyUse	T24NG	2.00	1.40
tblFleetMix	HHD	0.06	0.55
tblFleetMix	HHD	0.06	0.63
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.04	0.00

Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LHD1	0.02	0.36
tblFleetMix	LHD1	0.02	0.17
tblFleetMix	LHD2	5.4600e-003	0.00
tblFleetMix	LHD2	5.4600e-003	0.00
tblFleetMix	MCY	6.1170e-003	0.00
tblFleetMix	MCY	6.1170e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	1.0820e-003	0.00
tblFleetMix	MH	1.0820e-003	0.00
tblFleetMix	MHD	0.02	0.09
tblFleetMix	MHD	0.02	0.21
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	UBUS	1.6570e-003	0.00
tblFleetMix	UBUS	1.6570e-003	0.00
tblLandUse	LotAcreage	1.57	1.60
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00

Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblVehicleEF	HHD	1.26	0.03
tblVehicleEF	HHD	0.04	0.06
tblVehicleEF	HHD	0.13	0.00
tblVehicleEF	HHD	3.65	7.49
tblVehicleEF	HHD	0.59	0.57
tblVehicleEF	HHD	2.11	2.5880e-003
tblVehicleEF	HHD	7,044.09	1,448.69
tblVehicleEF	HHD	1,507.82	1,437.97
tblVehicleEF	HHD	6.10	0.03
tblVehicleEF	HHD	29.67	7.68
tblVehicleEF	HHD	3.22	3.64
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	7.6000e-005	1.0000e-006
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8830e-003	8.9180e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	7.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.0700e-004	5.0000e-006
tblVehicleEF	HHD	4.2590e-003	1.5400e-004
tblVehicleEF	HHD	0.94	0.60
tblVehicleEF	HHD	6.5000e-005	3.0000e-006

Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	2.9100e-004	7.7100e-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	5.0000e-006
tblVehicleEF	HHD	4.2590e-003	1.5400e-004
tblVehicleEF	HHD	1.08	0.69
tblVehicleEF	HHD	6.5000e-005	3.0000e-006
tblVehicleEF	HHD	0.14	0.18
tblVehicleEF	HHD	2.9100e-004	7.7100e-004
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	1.19	0.03
tblVehicleEF	HHD	0.04	0.06
tblVehicleEF	HHD	0.12	0.00
tblVehicleEF	HHD	2.66	7.32
tblVehicleEF	HHD	0.59	0.57
tblVehicleEF	HHD	1.99	2.4340e-003
tblVehicleEF	HHD	7,457.73	1,444.52
tblVehicleEF	HHD	1,507.82	1,437.97
tblVehicleEF	HHD	6.10	0.03
tblVehicleEF	HHD	30.61	7.46
tblVehicleEF	HHD	3.03	3.42
tblVehicleEF	HHD	0.01	0.02
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04

Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	7.6000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	0.02
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8830e-003	8.9180e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	7.0000e-005	1.0000e-006
tblVehicleEF	HHD	2.1400e-004	1.0000e-005
tblVehicleEF	HHD	4.8950e-003	1.8100e-004
tblVehicleEF	HHD	0.89	0.63
tblVehicleEF	HHD	1.5100e-004	7.0000e-006
tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	2.9900e-004	7.9700e-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	1.0000e-005
tblVehicleEF	HHD	4.8950e-003	1.8100e-004
tblVehicleEF	HHD	1.02	0.72
tblVehicleEF	HHD	1.5100e-004	7.0000e-006
tblVehicleEF	HHD	0.14	0.18
tblVehicleEF	HHD	2.9900e-004	7.9700e-004
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	1.36	0.03
tblVehicleEF	HHD	0.04	4.6710e-003
tblVehicleEF	HHD	0.13	0.00

Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	HHD	5.01	7.66
tblVehicleEF	HHD	0.59	0.43
tblVehicleEF	HHD	2.07	2.5600e-003
tblVehicleEF	HHD	6,472.88	1,440.00
tblVehicleEF	HHD	1,507.82	1,397.78
tblVehicleEF	HHD	6.10	0.03
tblVehicleEF	HHD	28.37	7.90
tblVehicleEF	HHD	3.17	3.54
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	7.6000e-005	1.0000e-006
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8830e-003	8.8180e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	7.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.1000e-004	5.0000e-006
tblVehicleEF	HHD	4.8700e-003	1.8200e-004
tblVehicleEF	HHD	1.01	0.57
tblVehicleEF	HHD	6.4000e-005	3.0000e-006
tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	3.1000e-004	8.0600e-004
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	HHD	9.6000e-005	0.00
tblVehicleEF	HHD	1.1000e-004	5.0000e-006
tblVehicleEF	HHD	4.8700e-003	1.8200e-004
tblVehicleEF	HHD	1.16	0.65
tblVehicleEF	HHD	6.4000e-005	3.0000e-006
tblVehicleEF	HHD	0.14	0.11
tblVehicleEF	HHD	3.1000e-004	8.0600e-004
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	LDA	5.1540e-003	3.2100e-003
tblVehicleEF	LDA	7.4770e-003	0.06
tblVehicleEF	LDA	0.66	0.77
tblVehicleEF	LDA	1.48	2.29
tblVehicleEF	LDA	271.76	276.68
tblVehicleEF	LDA	61.36	57.07
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	1.7360e-003	1.5890e-003
tblVehicleEF	LDA	2.3270e-003	2.0370e-003
tblVehicleEF	LDA	1.6000e-003	1.4630e-003
tblVehicleEF	LDA	2.1400e-003	1.8730e-003
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.10	0.28
tblVehicleEF	LDA	2.7220e-003	2.7370e-003
tblVehicleEF	LDA	6.3900e-004	5.6500e-004

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.11	0.30
tblVehicleEF	LDA	5.8790e-003	3.6760e-003
tblVehicleEF	LDA	6.2340e-003	0.05
tblVehicleEF	LDA	0.81	0.94
tblVehicleEF	LDA	1.22	1.90
tblVehicleEF	LDA	297.40	302.23
tblVehicleEF	LDA	61.36	56.31
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	1.7360e-003	1.5890e-003
tblVehicleEF	LDA	2.3270e-003	2.0370e-003
tblVehicleEF	LDA	1.6000e-003	1.4630e-003
tblVehicleEF	LDA	2.1400e-003	1.8730e-003
tblVehicleEF	LDA	0.11	0.15
tblVehicleEF	LDA	0.14	0.14
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.08	0.23
tblVehicleEF	LDA	2.9810e-003	2.9900e-003
tblVehicleEF	LDA	6.3500e-004	5.5700e-004
tblVehicleEF	LDA	0.11	0.15
tblVehicleEF	LDA	0.14	0.14



## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.09	0.25
tblVehicleEF	LDA	5.0060e-003	3.1310e-003
tblVehicleEF	LDA	7.4230e-003	0.06
tblVehicleEF	LDA	0.62	0.73
tblVehicleEF	LDA	1.46	2.25
tblVehicleEF	LDA	265.71	270.69
tblVehicleEF	LDA	61.36	57.01
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	1.7360e-003	1.5890e-003
tblVehicleEF	LDA	2.3270e-003	2.0370e-003
tblVehicleEF	LDA	1.6000e-003	1.4630e-003
tblVehicleEF	LDA	2.1400e-003	1.8730e-003
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.26
tblVehicleEF	LDA	0.10	0.27
tblVehicleEF	LDA	2.6610e-003	2.6780e-003
tblVehicleEF	LDA	6.3900e-004	5.6400e-004
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	LDA	0.04	0.26
tblVehicleEF	LDA	0.11	0.30
tblVehicleEF	LDT1	0.02	9.4220e-003
tblVehicleEF	LDT1	0.02	0.10
tblVehicleEF	LDT1	1.88	1.84
tblVehicleEF	LDT1	4.45	2.64
tblVehicleEF	LDT1	332.44	327.73
tblVehicleEF	LDT1	74.44	69.37
tblVehicleEF	LDT1	0.20	0.17
tblVehicleEF	LDT1	3.0160e-003	2.6170e-003
tblVehicleEF	LDT1	4.1090e-003	3.3430e-003
tblVehicleEF	LDT1	2.7780e-003	2.4090e-003
tblVehicleEF	LDT1	3.7800e-003	3.0740e-003
tblVehicleEF	LDT1	0.21	0.23
tblVehicleEF	LDT1	0.38	0.31
tblVehicleEF	LDT1	0.14	0.16
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.23	1.04
tblVehicleEF	LDT1	0.32	0.54
tblVehicleEF	LDT1	3.3490e-003	3.2430e-003
tblVehicleEF	LDT1	8.2300e-004	6.8700e-004
tblVehicleEF	LDT1	0.21	0.23
tblVehicleEF	LDT1	0.38	0.31
tblVehicleEF	LDT1	0.14	0.16
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.23	1.04
tblVehicleEF	LDT1	0.35	0.59

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	2.25	2.22
tblVehicleEF	LDT1	3.66	2.18
tblVehicleEF	LDT1	362.07	354.55
tblVehicleEF	LDT1	74.44	68.34
tblVehicleEF	LDT1	0.18	0.16
tblVehicleEF	LDT1	3.0160e-003	2.6170e-003
tblVehicleEF	LDT1	4.1090e-003	3.3430e-003
tblVehicleEF	LDT1	2.7780e-003	2.4090e-003
tblVehicleEF	LDT1	3.7800e-003	3.0740e-003
tblVehicleEF	LDT1	0.42	0.48
tblVehicleEF	LDT1	0.47	0.39
tblVehicleEF	LDT1	0.30	0.34
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	1.04
tblVehicleEF	LDT1	0.27	0.45
tblVehicleEF	LDT1	3.6510e-003	3.5080e-003
tblVehicleEF	LDT1	8.0900e-004	6.7600e-004
tblVehicleEF	LDT1	0.42	0.48
tblVehicleEF	LDT1	0.47	0.39
tblVehicleEF	LDT1	0.30	0.34
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.23	1.04
tblVehicleEF	LDT1	0.29	0.49
tblVehicleEF	LDT1	0.02	9.2010e-003
tblVehicleEF	LDT1	0.02	0.10

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	LDT1	1.79	1.75
tblVehicleEF	LDT1	4.37	2.60
tblVehicleEF	LDT1	325.45	321.36
tblVehicleEF	LDT1	74.44	69.28
tblVehicleEF	LDT1	0.19	0.16
tblVehicleEF	LDT1	3.0160e-003	2.6170e-003
tblVehicleEF	LDT1	4.1090e-003	3.3430e-003
tblVehicleEF	LDT1	2.7780e-003	2.4090e-003
tblVehicleEF	LDT1	3.7800e-003	3.0740e-003
tblVehicleEF	LDT1	0.22	0.24
tblVehicleEF	LDT1	0.44	0.36
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.26	1.22
tblVehicleEF	LDT1	0.32	0.54
tblVehicleEF	LDT1	3.2780e-003	3.1800e-003
tblVehicleEF	LDT1	8.2200e-004	6.8600e-004
tblVehicleEF	LDT1	0.22	0.24
tblVehicleEF	LDT1	0.44	0.36
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.26	1.22
tblVehicleEF	LDT1	0.35	0.59
tblVehicleEF	LDT2	7.5900e-003	5.4250e-003
tblVehicleEF	LDT2	0.01	0.09
tblVehicleEF	LDT2	0.92	1.17
tblVehicleEF	LDT2	2.08	3.01

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tblVehicleEF	LDT2	375.03	356.41
tblVehicleEF	LDT2	84.46	75.61
tblVehicleEF	LDT2	0.11	0.12
tblVehicleEF	LDT2	1.7360e-003	1.6670e-003
tblVehicleEF	LDT2	2.4270e-003	2.1440e-003
tblVehicleEF	LDT2	1.5970e-003	1.5340e-003
tblVehicleEF	LDT2	2.2320e-003	1.9720e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.14	0.17
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.53
tblVehicleEF	LDT2	0.14	0.42
tblVehicleEF	LDT2	3.7580e-003	3.5260e-003
tblVehicleEF	LDT2	8.8000e-004	7.4800e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.14	0.17
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.08	0.53
tblVehicleEF	LDT2	0.16	0.46
tblVehicleEF	LDT2	8.6210e-003	6.1900e-003
tblVehicleEF	LDT2	8.8260e-003	0.07
tblVehicleEF	LDT2	1.12	1.42
tblVehicleEF	LDT2	1.72	2.48
tblVehicleEF	LDT2	409.49	383.08
tblVehicleEF	LDT2	84.46	74.56

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	1.7360e-003	1.6670e-003
tblVehicleEF	LDT2	2.4270e-003	2.1440e-003
tblVehicleEF	LDT2	1.5970e-003	1.5340e-003
tblVehicleEF	LDT2	2.2320e-003	1.9720e-003
tblVehicleEF	LDT2	0.15	0.23
tblVehicleEF	LDT2	0.17	0.20
tblVehicleEF	LDT2	0.12	0.19
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.52
tblVehicleEF	LDT2	0.12	0.35
tblVehicleEF	LDT2	4.1060e-003	3.7900e-003
tblVehicleEF	LDT2	8.7400e-004	7.3800e-004
tblVehicleEF	LDT2	0.15	0.23
tblVehicleEF	LDT2	0.17	0.20
tblVehicleEF	LDT2	0.12	0.19
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.07	0.52
tblVehicleEF	LDT2	0.13	0.38
tblVehicleEF	LDT2	7.3800e-003	5.2940e-003
tblVehicleEF	LDT2	0.01	0.09
tblVehicleEF	LDT2	0.87	1.11
tblVehicleEF	LDT2	2.04	2.96
tblVehicleEF	LDT2	366.89	350.08
tblVehicleEF	LDT2	84.46	75.53
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	1.7360e-003	1.6670e-003

Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	LDT2	2.4270e-003	2.1440e-003
tblVehicleEF	LDT2	1.5970e-003	1.5340e-003
tblVehicleEF	LDT2	2.2320e-003	1.9720e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.16	0.19
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.09	0.61
tblVehicleEF	LDT2	0.14	0.41
tblVehicleEF	LDT2	3.6760e-003	3.4640e-003
tblVehicleEF	LDT2	8.8000e-004	7.4700e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.16	0.19
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.09	0.61
tblVehicleEF	LDT2	0.16	0.45
tblVehicleEF	LHD1	5.6900e-003	5.0880e-003
tblVehicleEF	LHD1	0.01	7.7680e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.27	1.08
tblVehicleEF	LHD1	2.93	1.12
tblVehicleEF	LHD1	9.23	9.45
tblVehicleEF	LHD1	620.09	663.36
tblVehicleEF	LHD1	31.53	11.23
tblVehicleEF	LHD1	0.09	0.08

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD1	2.40	1.84
tblVehicleEF	LHD1	9.6100e-004	9.3100e-004
tblVehicleEF	LHD1	0.01	9.9320e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0840e-003	2.9900e-004
tblVehicleEF	LHD1	9.1900e-004	8.9100e-004
tblVehicleEF	LHD1	2.5180e-003	2.4830e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.9800e-004	2.7500e-004
tblVehicleEF	LHD1	3.8770e-003	3.4930e-003
tblVehicleEF	LHD1	0.11	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8640e-003	1.6570e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.35	0.65
tblVehicleEF	LHD1	0.30	0.09
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0910e-003	6.4590e-003
tblVehicleEF	LHD1	3.7100e-004	1.1100e-004
tblVehicleEF	LHD1	3.8770e-003	3.4930e-003
tblVehicleEF	LHD1	0.11	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8640e-003	1.6570e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.35	0.65
tblVehicleEF	LHD1	0.33	0.10
tblVehicleEF	LHD1	5.6900e-003	5.1040e-003



## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD1	0.02	7.9500e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.29	1.10
tblVehicleEF	LHD1	2.74	1.04
tblVehicleEF	LHD1	9.23	9.45
tblVehicleEF	LHD1	620.09	663.40
tblVehicleEF	LHD1	31.53	11.10
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.25	1.73
tblVehicleEF	LHD1	9.6100e-004	9.3100e-004
tblVehicleEF	LHD1	0.01	9.9320e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0840e-003	2.9900e-004
tblVehicleEF	LHD1	9.1900e-004	8.9100e-004
tblVehicleEF	LHD1	2.5180e-003	2.4830e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.9800e-004	2.7500e-004
tblVehicleEF	LHD1	7.6890e-003	6.9750e-003
tblVehicleEF	LHD1	0.13	0.12
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.2920e-003	3.8740e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.35	0.66
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0910e-003	6.4590e-003

Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD1	3.6700e-004	1.1000e-004
tblVehicleEF	LHD1	7.6890e-003	6.9750e-003
tblVehicleEF	LHD1	0.13	0.12
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.2920e-003	3.8740e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.35	0.66
tblVehicleEF	LHD1	0.32	0.10
tblVehicleEF	LHD1	5.6900e-003	5.0910e-003
tblVehicleEF	LHD1	0.01	7.7840e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.27	1.08
tblVehicleEF	LHD1	2.88	1.10
tblVehicleEF	LHD1	9.23	9.45
tblVehicleEF	LHD1	620.09	663.36
tblVehicleEF	LHD1	31.53	11.20
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.36	1.81
tblVehicleEF	LHD1	9.6100e-004	9.3100e-004
tblVehicleEF	LHD1	0.01	9.9320e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0840e-003	2.9900e-004
tblVehicleEF	LHD1	9.1900e-004	8.9100e-004
tblVehicleEF	LHD1	2.5180e-003	2.4830e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.9800e-004	2.7500e-004

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD1	4.3010e-003	3.9210e-003
tblVehicleEF	LHD1	0.13	0.12
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8380e-003	1.6360e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.38	0.70
tblVehicleEF	LHD1	0.30	0.09
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0910e-003	6.4590e-003
tblVehicleEF	LHD1	3.7000e-004	1.1100e-004
tblVehicleEF	LHD1	4.3010e-003	3.9210e-003
tblVehicleEF	LHD1	0.13	0.12
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8380e-003	1.6360e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.38	0.70
tblVehicleEF	LHD1	0.33	0.10
tblVehicleEF	LHD2	4.0010e-003	3.4940e-003
tblVehicleEF	LHD2	5.9170e-003	4.8970e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.63	0.67
tblVehicleEF	LHD2	1.40	0.67
tblVehicleEF	LHD2	14.35	14.68
tblVehicleEF	LHD2	619.96	664.05
tblVehicleEF	LHD2	25.37	8.14
tblVehicleEF	LHD2	0.12	0.12

Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD2	1.91	1.99
tblVehicleEF	LHD2	1.3140e-003	1.3790e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	4.6400e-004	1.4200e-004
tblVehicleEF	LHD2	1.2570e-003	1.3190e-003
tblVehicleEF	LHD2	2.6760e-003	2.6850e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2700e-004	1.3000e-004
tblVehicleEF	LHD2	1.5090e-003	1.7180e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.7800e-004	8.5100e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.11	0.33
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	6.0350e-003	6.4090e-003
tblVehicleEF	LHD2	2.8000e-004	8.1000e-005
tblVehicleEF	LHD2	1.5090e-003	1.7180e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7800e-004	8.5100e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.11	0.33
tblVehicleEF	LHD2	0.15	0.06
tblVehicleEF	LHD2	4.0010e-003	3.5050e-003
tblVehicleEF	LHD2	6.0090e-003	4.9550e-003

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD2	9.7620e-003	0.01
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.63	0.68
tblVehicleEF	LHD2	1.32	0.63
tblVehicleEF	LHD2	14.35	14.68
tblVehicleEF	LHD2	619.96	664.06
tblVehicleEF	LHD2	25.37	8.07
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.80	1.87
tblVehicleEF	LHD2	1.3140e-003	1.3790e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	4.6400e-004	1.4200e-004
tblVehicleEF	LHD2	1.2570e-003	1.3190e-003
tblVehicleEF	LHD2	2.6760e-003	2.6850e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2700e-004	1.3000e-004
tblVehicleEF	LHD2	2.9270e-003	3.3570e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.7180e-003	1.9120e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.11	0.33
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	6.0350e-003	6.4090e-003
tblVehicleEF	LHD2	2.7800e-004	8.0000e-005
tblVehicleEF	LHD2	2.9270e-003	3.3570e-003

Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.7180e-003	1.9120e-003
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.11	0.33
tblVehicleEF	LHD2	0.14	0.06
tblVehicleEF	LHD2	4.0010e-003	3.4970e-003
tblVehicleEF	LHD2	5.9270e-003	4.9040e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.63	0.67
tblVehicleEF	LHD2	1.38	0.66
tblVehicleEF	LHD2	14.35	14.68
tblVehicleEF	LHD2	619.96	664.05
tblVehicleEF	LHD2	25.37	8.12
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.88	1.96
tblVehicleEF	LHD2	1.3140e-003	1.3790e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	4.6400e-004	1.4200e-004
tblVehicleEF	LHD2	1.2570e-003	1.3190e-003
tblVehicleEF	LHD2	2.6760e-003	2.6850e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2700e-004	1.3000e-004
tblVehicleEF	LHD2	1.5970e-003	1.8540e-003
tblVehicleEF	LHD2	0.05	0.06

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.6400e-004	8.3300e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.11	0.35
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	6.0350e-003	6.4090e-003
tblVehicleEF	LHD2	2.7900e-004	8.0000e-005
tblVehicleEF	LHD2	1.5970e-003	1.8540e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.6400e-004	8.3300e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.11	0.35
tblVehicleEF	LHD2	0.15	0.06
tblVehicleEF	MCY	0.41	0.33
tblVehicleEF	MCY	0.16	0.25
tblVehicleEF	MCY	21.63	21.70
tblVehicleEF	MCY	9.90	8.75
tblVehicleEF	MCY	166.31	211.44
tblVehicleEF	MCY	47.31	62.20
tblVehicleEF	MCY	1.17	1.18
tblVehicleEF	MCY	1.7690e-003	1.7420e-003
tblVehicleEF	MCY	3.8320e-003	3.1620e-003
tblVehicleEF	MCY	1.6590e-003	1.6340e-003
tblVehicleEF	MCY	3.6220e-003	2.9860e-003
tblVehicleEF	MCY	1.45	1.43
tblVehicleEF	MCY	0.86	0.84

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	MCY	0.81	0.80
tblVehicleEF	MCY	2.28	2.28
tblVehicleEF	MCY	0.51	2.16
tblVehicleEF	MCY	2.19	1.93
tblVehicleEF	MCY	2.0810e-003	2.0920e-003
tblVehicleEF	MCY	7.0000e-004	6.1600e-004
tblVehicleEF	MCY	1.45	1.43
tblVehicleEF	MCY	0.86	0.84
tblVehicleEF	MCY	0.81	0.80
tblVehicleEF	MCY	2.77	2.77
tblVehicleEF	MCY	0.51	2.16
tblVehicleEF	MCY	2.38	2.10
tblVehicleEF	MCY	0.41	0.33
tblVehicleEF	MCY	0.14	0.22
tblVehicleEF	MCY	21.75	21.83
tblVehicleEF	MCY	9.07	7.97
tblVehicleEF	MCY	166.31	211.41
tblVehicleEF	MCY	47.31	60.03
tblVehicleEF	MCY	1.00	1.00
tblVehicleEF	MCY	1.7690e-003	1.7420e-003
tblVehicleEF	MCY	3.8320e-003	3.1620e-003
tblVehicleEF	MCY	1.6590e-003	1.6340e-003
tblVehicleEF	MCY	3.6220e-003	2.9860e-003
tblVehicleEF	MCY	3.14	3.12
tblVehicleEF	MCY	1.28	1.27
tblVehicleEF	MCY	2.15	2.12
tblVehicleEF	MCY	2.21	2.21



## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	MCY	0.50	2.15
tblVehicleEF	MCY	1.88	1.65
tblVehicleEF	MCY	2.0810e-003	2.0920e-003
tblVehicleEF	MCY	6.7600e-004	5.9400e-004
tblVehicleEF	MCY	3.14	3.12
tblVehicleEF	MCY	1.28	1.27
tblVehicleEF	MCY	2.15	2.12
tblVehicleEF	MCY	2.70	2.69
tblVehicleEF	MCY	0.50	2.15
tblVehicleEF	MCY	2.05	1.79
tblVehicleEF	MCY	0.41	0.33
tblVehicleEF	MCY	0.15	0.25
tblVehicleEF	MCY	20.62	20.68
tblVehicleEF	MCY	9.51	8.39
tblVehicleEF	MCY	166.31	209.68
tblVehicleEF	MCY	47.31	61.38
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	1.7690e-003	1.7420e-003
tblVehicleEF	MCY	3.8320e-003	3.1620e-003
tblVehicleEF	MCY	1.6590e-003	1.6340e-003
tblVehicleEF	MCY	3.6220e-003	2.9860e-003
tblVehicleEF	MCY	1.71	1.69
tblVehicleEF	MCY	1.15	1.12
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.24	2.23
tblVehicleEF	MCY	0.57	2.45
tblVehicleEF	MCY	2.11	1.85

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	MCY	2.0640e-003	2.0750e-003
tblVehicleEF	MCY	6.9100e-004	6.0700e-004
tblVehicleEF	MCY	1.71	1.69
tblVehicleEF	MCY	1.15	1.12
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.73	2.72
tblVehicleEF	MCY	0.57	2.45
tblVehicleEF	MCY	2.30	2.01
tblVehicleEF	MDV	0.02	7.4600e-003
tblVehicleEF	MDV	0.02	0.11
tblVehicleEF	MDV	1.73	1.47
tblVehicleEF	MDV	3.93	3.71
tblVehicleEF	MDV	510.99	438.31
tblVehicleEF	MDV	113.32	92.88
tblVehicleEF	MDV	0.22	0.16
tblVehicleEF	MDV	1.8900e-003	1.7940e-003
tblVehicleEF	MDV	2.6570e-003	2.2880e-003
tblVehicleEF	MDV	1.7440e-003	1.6560e-003
tblVehicleEF	MDV	2.4460e-003	2.1070e-003
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.21	0.19
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.31	0.54
tblVehicleEF	MDV	5.1260e-003	4.3340e-003
tblVehicleEF	MDV	1.2030e-003	9.1900e-004

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.21	0.19
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.34	0.59
tblVehicleEF	MDV	0.02	8.4130e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	2.07	1.77
tblVehicleEF	MDV	3.28	3.07
tblVehicleEF	MDV	556.34	466.62
tblVehicleEF	MDV	113.32	91.58
tblVehicleEF	MDV	0.20	0.14
tblVehicleEF	MDV	1.8900e-003	1.7940e-003
tblVehicleEF	MDV	2.6570e-003	2.2880e-003
tblVehicleEF	MDV	1.7440e-003	1.6560e-003
tblVehicleEF	MDV	2.4460e-003	2.1070e-003
tblVehicleEF	MDV	0.21	0.26
tblVehicleEF	MDV	0.25	0.22
tblVehicleEF	MDV	0.18	0.22
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.26	0.45
tblVehicleEF	MDV	5.5850e-003	4.6140e-003
tblVehicleEF	MDV	1.1910e-003	9.0600e-004
tblVehicleEF	MDV	0.21	0.26
tblVehicleEF	MDV	0.25	0.22

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	MDV	0.18	0.22
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.29	0.50
tblVehicleEF	MDV	0.01	7.2640e-003
tblVehicleEF	MDV	0.02	0.11
tblVehicleEF	MDV	1.63	1.39
tblVehicleEF	MDV	3.86	3.65
tblVehicleEF	MDV	500.39	431.57
tblVehicleEF	MDV	113.32	92.77
tblVehicleEF	MDV	0.21	0.15
tblVehicleEF	MDV	1.8900e-003	1.7940e-003
tblVehicleEF	MDV	2.6570e-003	2.2880e-003
tblVehicleEF	MDV	1.7440e-003	1.6560e-003
tblVehicleEF	MDV	2.4460e-003	2.1070e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.63
tblVehicleEF	MDV	0.31	0.54
tblVehicleEF	MDV	5.0190e-003	4.2670e-003
tblVehicleEF	MDV	1.2020e-003	9.1800e-004
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.06	0.05

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	MDV	0.13	0.63
tblVehicleEF	MDV	0.34	0.59
tblVehicleEF	MH	0.04	3.9290e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	4.29	0.37
tblVehicleEF	MH	7.50	0.00
tblVehicleEF	MH	1,044.38	962.75
tblVehicleEF	MH	61.75	0.00
tblVehicleEF	MH	1.73	4.84
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.16
tblVehicleEF	MH	1.5070e-003	0.00
tblVehicleEF	MH	3.2190e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.15
tblVehicleEF	MH	1.3940e-003	0.00
tblVehicleEF	MH	1.65	0.00
tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	0.56	0.00
tblVehicleEF	MH	0.14	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.45	0.00
tblVehicleEF	MH	0.01	9.1010e-003
tblVehicleEF	MH	7.4900e-004	0.00
tblVehicleEF	MH	1.65	0.00
tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	0.56	0.00
tblVehicleEF	MH	0.19	0.10

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.49	0.00
tblVehicleEF	MH	0.05	3.9290e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	4.46	0.37
tblVehicleEF	MH	6.85	0.00
tblVehicleEF	MH	1,044.38	962.75
tblVehicleEF	MH	61.75	0.00
tblVehicleEF	MH	1.58	4.55
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.16
tblVehicleEF	MH	1.5070e-003	0.00
tblVehicleEF	MH	3.2190e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.15
tblVehicleEF	MH	1.3940e-003	0.00
tblVehicleEF	MH	3.30	0.00
tblVehicleEF	MH	0.12	0.00
tblVehicleEF	MH	1.37	0.00
tblVehicleEF	MH	0.14	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.01	9.1010e-003
tblVehicleEF	MH	7.3800e-004	0.00
tblVehicleEF	MH	3.30	0.00
tblVehicleEF	MH	0.12	0.00
tblVehicleEF	MH	1.37	0.00
tblVehicleEF	MH	0.20	0.10

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.46	0.00
tblVehicleEF	MH	0.04	3.9290e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	4.28	0.37
tblVehicleEF	MH	7.39	0.00
tblVehicleEF	MH	1,044.38	962.75
tblVehicleEF	MH	61.75	0.00
tblVehicleEF	MH	1.69	4.76
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.16
tblVehicleEF	MH	1.5070e-003	0.00
tblVehicleEF	MH	3.2190e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.15
tblVehicleEF	MH	1.3940e-003	0.00
tblVehicleEF	MH	2.00	0.00
tblVehicleEF	MH	0.13	0.00
tblVehicleEF	MH	0.59	0.00
tblVehicleEF	MH	0.14	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.44	0.00
tblVehicleEF	MH	0.01	9.1010e-003
tblVehicleEF	MH	7.4700e-004	0.00
tblVehicleEF	MH	2.00	0.00
tblVehicleEF	MH	0.13	0.00
tblVehicleEF	MH	0.59	0.00
tblVehicleEF	MH	0.19	0.10

Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.49	0.00
tblVehicleEF	MHD	0.02	3.2690e-003
tblVehicleEF	MHD	6.5200e-003	7.4410e-003
tblVehicleEF	MHD	0.06	9.2700e-003
tblVehicleEF	MHD	0.41	0.34
tblVehicleEF	MHD	0.48	0.67
tblVehicleEF	MHD	6.64	1.11
tblVehicleEF	MHD	157.61	72.65
tblVehicleEF	MHD	1,102.10	1,047.06
tblVehicleEF	MHD	54.49	8.73
tblVehicleEF	MHD	0.99	0.68
tblVehicleEF	MHD	1.67	2.66
tblVehicleEF	MHD	2.8010e-003	2.4760e-003
tblVehicleEF	MHD	0.04	0.08
tblVehicleEF	MHD	8.7800e-004	1.1500e-004
tblVehicleEF	MHD	2.6800e-003	2.3690e-003
tblVehicleEF	MHD	0.04	0.08
tblVehicleEF	MHD	8.0700e-004	1.0600e-004
tblVehicleEF	MHD	1.5850e-003	7.5000e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.7500e-004	3.6500e-004
tblVehicleEF	MHD	0.08	0.13
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.40	0.05
tblVehicleEF	MHD	1.5150e-003	6.8900e-004



## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	MHD	0.01	9.9770e-003
tblVehicleEF	MHD	6.6100e-004	8.6000e-005
tblVehicleEF	MHD	1.5850e-003	7.5000e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.7500e-004	3.6500e-004
tblVehicleEF	MHD	0.09	0.15
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.44	0.05
tblVehicleEF	MHD	0.02	3.0990e-003
tblVehicleEF	MHD	6.6290e-003	7.5050e-003
tblVehicleEF	MHD	0.06	8.8360e-003
tblVehicleEF	MHD	0.29	0.28
tblVehicleEF	MHD	0.49	0.68
tblVehicleEF	MHD	6.20	1.04
tblVehicleEF	MHD	166.94	74.24
tblVehicleEF	MHD	1,102.10	1,047.07
tblVehicleEF	MHD	54.49	8.61
tblVehicleEF	MHD	1.02	0.69
tblVehicleEF	MHD	1.57	2.50
tblVehicleEF	MHD	2.3620e-003	2.0900e-003
tblVehicleEF	MHD	0.04	0.08
tblVehicleEF	MHD	8.7800e-004	1.1500e-004
tblVehicleEF	MHD	2.2590e-003	1.9990e-003
tblVehicleEF	MHD	0.04	0.08
tblVehicleEF	MHD	8.0700e-004	1.0600e-004
tblVehicleEF	MHD	3.1650e-003	1.5010e-003

Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	MHD	0.06	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.8350e-003	8.6900e-004
tblVehicleEF	MHD	0.08	0.13
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.38	0.05
tblVehicleEF	MHD	1.6030e-003	7.0400e-004
tblVehicleEF	MHD	0.01	9.9770e-003
tblVehicleEF	MHD	6.5400e-004	8.5000e-005
tblVehicleEF	MHD	3.1650e-003	1.5010e-003
tblVehicleEF	MHD	0.06	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	1.8350e-003	8.6900e-004
tblVehicleEF	MHD	0.09	0.15
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.42	0.05
tblVehicleEF	MHD	0.02	3.5160e-003
tblVehicleEF	MHD	6.5300e-003	7.4460e-003
tblVehicleEF	MHD	0.06	9.1670e-003
tblVehicleEF	MHD	0.56	0.43
tblVehicleEF	MHD	0.48	0.68
tblVehicleEF	MHD	6.52	1.09
tblVehicleEF	MHD	144.70	70.46
tblVehicleEF	MHD	1,102.10	1,047.06
tblVehicleEF	MHD	54.49	8.70
tblVehicleEF	MHD	0.94	0.66
tblVehicleEF	MHD	1.64	2.61

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	MHD	3.4090e-003	3.0090e-003
tblVehicleEF	MHD	0.04	0.08
tblVehicleEF	MHD	8.7800e-004	1.1500e-004
tblVehicleEF	MHD	3.2610e-003	2.8790e-003
tblVehicleEF	MHD	0.04	0.08
tblVehicleEF	MHD	8.0700e-004	1.0600e-004
tblVehicleEF	MHD	1.7730e-003	8.4100e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.6800e-004	3.6200e-004
tblVehicleEF	MHD	0.08	0.13
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.40	0.05
tblVehicleEF	MHD	1.3930e-003	6.6800e-004
tblVehicleEF	MHD	0.01	9.9770e-003
tblVehicleEF	MHD	6.5900e-004	8.6000e-005
tblVehicleEF	MHD	1.7730e-003	8.4100e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.6800e-004	3.6200e-004
tblVehicleEF	MHD	0.09	0.15
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.43	0.05
tblVehicleEF	OBUS	0.01	9.4880e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.27	0.49

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	OBUS	0.84	1.38
tblVehicleEF	OBUS	7.08	2.89
tblVehicleEF	OBUS	69.66	68.94
tblVehicleEF	OBUS	1,125.58	1,531.86
tblVehicleEF	OBUS	71.49	22.61
tblVehicleEF	OBUS	0.36	0.44
tblVehicleEF	OBUS	1.31	1.73
tblVehicleEF	OBUS	1.6600e-004	2.0970e-003
tblVehicleEF	OBUS	6.3680e-003	0.03
tblVehicleEF	OBUS	9.0100e-004	2.3900e-004
tblVehicleEF	OBUS	1.5900e-004	2.0060e-003
tblVehicleEF	OBUS	6.0730e-003	0.03
tblVehicleEF	OBUS	8.2900e-004	2.2000e-004
tblVehicleEF	OBUS	2.2890e-003	2.8330e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	9.6000e-004	1.1430e-003
tblVehicleEF	OBUS	0.05	0.10
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.44	0.14
tblVehicleEF	OBUS	6.7700e-004	6.5900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.3900e-004	2.2400e-004
tblVehicleEF	OBUS	2.2890e-003	2.8330e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.6000e-004	1.1430e-003

Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	OBUS	0.07	0.13
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.48	0.15
tblVehicleEF	OBUS	0.01	9.5010e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.26	0.46
tblVehicleEF	OBUS	0.86	1.41
tblVehicleEF	OBUS	6.48	2.65
tblVehicleEF	OBUS	72.76	69.63
tblVehicleEF	OBUS	1,125.58	1,531.92
tblVehicleEF	OBUS	71.49	22.21
tblVehicleEF	OBUS	0.37	0.44
tblVehicleEF	OBUS	1.21	1.60
tblVehicleEF	OBUS	1.4000e-004	1.7700e-003
tblVehicleEF	OBUS	6.3680e-003	0.03
tblVehicleEF	OBUS	9.0100e-004	2.3900e-004
tblVehicleEF	OBUS	1.3400e-004	1.6940e-003
tblVehicleEF	OBUS	6.0730e-003	0.03
tblVehicleEF	OBUS	8.2900e-004	2.2000e-004
tblVehicleEF	OBUS	4.4650e-003	5.5400e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	2.2300e-003	2.6720e-003
tblVehicleEF	OBUS	0.06	0.10
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.41	0.13

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	OBUS	7.0700e-004	6.6500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2900e-004	2.2000e-004
tblVehicleEF	OBUS	4.4650e-003	5.5400e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.2300e-003	2.6720e-003
tblVehicleEF	OBUS	0.07	0.13
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.45	0.15
tblVehicleEF	OBUS	0.01	9.5070e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.29	0.52
tblVehicleEF	OBUS	0.84	1.38
tblVehicleEF	OBUS	7.02	2.87
tblVehicleEF	OBUS	65.38	68.00
tblVehicleEF	OBUS	1,125.58	1,531.87
tblVehicleEF	OBUS	71.49	22.58
tblVehicleEF	OBUS	0.35	0.44
tblVehicleEF	OBUS	1.28	1.70
tblVehicleEF	OBUS	2.0300e-004	2.5470e-003
tblVehicleEF	OBUS	6.3680e-003	0.03
tblVehicleEF	OBUS	9.0100e-004	2.3900e-004
tblVehicleEF	OBUS	1.9400e-004	2.4370e-003
tblVehicleEF	OBUS	6.0730e-003	0.03
tblVehicleEF	OBUS	8.2900e-004	2.2000e-004

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	OBUS	2.4760e-003	3.1080e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	9.7500e-004	1.1620e-003
tblVehicleEF	OBUS	0.05	0.10
tblVehicleEF	OBUS	0.06	0.33
tblVehicleEF	OBUS	0.44	0.14
tblVehicleEF	OBUS	6.3600e-004	6.5000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.3800e-004	2.2300e-004
tblVehicleEF	OBUS	2.4760e-003	3.1080e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.7500e-004	1.1620e-003
tblVehicleEF	OBUS	0.07	0.13
tblVehicleEF	OBUS	0.06	0.33
tblVehicleEF	OBUS	0.48	0.15
tblVehicleEF	SBUS	0.87	0.04
tblVehicleEF	SBUS	0.01	7.8850e-003
tblVehicleEF	SBUS	0.08	3.7580e-003
tblVehicleEF	SBUS	5.54	1.74
tblVehicleEF	SBUS	0.77	0.66
tblVehicleEF	SBUS	5.64	0.52
tblVehicleEF	SBUS	1,282.62	337.41
tblVehicleEF	SBUS	1,152.18	1,158.46
tblVehicleEF	SBUS	35.03	3.01
tblVehicleEF	SBUS	13.20	3.54

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	SBUS	5.57	5.66
tblVehicleEF	SBUS	0.02	4.9280e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0700e-004	2.8000e-005
tblVehicleEF	SBUS	0.01	4.7150e-003
tblVehicleEF	SBUS	2.7710e-003	2.7830e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	4.6600e-004	2.6000e-005
tblVehicleEF	SBUS	3.3280e-003	7.8600e-004
tblVehicleEF	SBUS	0.02	5.8070e-003
tblVehicleEF	SBUS	0.67	0.18
tblVehicleEF	SBUS	1.3510e-003	3.4400e-004
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.29	0.02
tblVehicleEF	SBUS	0.01	3.2060e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.4800e-004	3.0000e-005
tblVehicleEF	SBUS	3.3280e-003	7.8600e-004
tblVehicleEF	SBUS	0.02	5.8070e-003
tblVehicleEF	SBUS	0.95	0.26
tblVehicleEF	SBUS	1.3510e-003	3.4400e-004
tblVehicleEF	SBUS	0.15	0.13
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	0.87	0.04



## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	SBUS	0.01	7.9830e-003
tblVehicleEF	SBUS	0.06	3.1210e-003
tblVehicleEF	SBUS	5.38	1.70
tblVehicleEF	SBUS	0.78	0.67
tblVehicleEF	SBUS	3.86	0.37
tblVehicleEF	SBUS	1,348.56	346.48
tblVehicleEF	SBUS	1,152.18	1,158.48
tblVehicleEF	SBUS	35.03	2.75
tblVehicleEF	SBUS	13.63	3.62
tblVehicleEF	SBUS	5.22	5.31
tblVehicleEF	SBUS	0.01	4.1620e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0700e-004	2.8000e-005
tblVehicleEF	SBUS	0.01	3.9820e-003
tblVehicleEF	SBUS	2.7710e-003	2.7830e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	4.6600e-004	2.6000e-005
tblVehicleEF	SBUS	6.4210e-003	1.4060e-003
tblVehicleEF	SBUS	0.03	6.2120e-003
tblVehicleEF	SBUS	0.66	0.18
tblVehicleEF	SBUS	3.0640e-003	6.6900e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.24	0.02
tblVehicleEF	SBUS	0.01	3.2910e-003
tblVehicleEF	SBUS	0.01	0.01

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	SBUS	4.1800e-004	2.7000e-005
tblVehicleEF	SBUS	6.4210e-003	1.4060e-003
tblVehicleEF	SBUS	0.03	6.2120e-003
tblVehicleEF	SBUS	0.95	0.26
tblVehicleEF	SBUS	3.0640e-003	6.6900e-004
tblVehicleEF	SBUS	0.15	0.13
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.26	0.02
tblVehicleEF	SBUS	0.88	0.04
tblVehicleEF	SBUS	0.01	7.8800e-003
tblVehicleEF	SBUS	0.08	3.8540e-003
tblVehicleEF	SBUS	5.77	1.80
tblVehicleEF	SBUS	0.77	0.66
tblVehicleEF	SBUS	5.69	0.54
tblVehicleEF	SBUS	1,191.56	324.88
tblVehicleEF	SBUS	1,152.18	1,158.46
tblVehicleEF	SBUS	35.03	3.04
tblVehicleEF	SBUS	12.62	3.43
tblVehicleEF	SBUS	5.48	5.57
tblVehicleEF	SBUS	0.02	5.9860e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0700e-004	2.8000e-005
tblVehicleEF	SBUS	0.02	5.7270e-003
tblVehicleEF	SBUS	2.7710e-003	2.7830e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	4.6600e-004	2.6000e-005

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	SBUS	3.5990e-003	8.1900e-004
tblVehicleEF	SBUS	0.03	6.4950e-003
tblVehicleEF	SBUS	0.67	0.18
tblVehicleEF	SBUS	1.3510e-003	3.5700e-004
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.30	0.02
tblVehicleEF	SBUS	0.01	3.0870e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.4900e-004	3.0000e-005
tblVehicleEF	SBUS	3.5990e-003	8.1900e-004
tblVehicleEF	SBUS	0.03	6.4950e-003
tblVehicleEF	SBUS	0.96	0.26
tblVehicleEF	SBUS	1.3510e-003	3.5700e-004
tblVehicleEF	SBUS	0.15	0.13
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.33	0.02
tblVehicleEF	UBUS	2.06	4.21
tblVehicleEF	UBUS	0.09	0.02
tblVehicleEF	UBUS	10.29	32.46
tblVehicleEF	UBUS	15.37	1.48
tblVehicleEF	UBUS	1,878.06	1,734.42
tblVehicleEF	UBUS	133.67	17.53
tblVehicleEF	UBUS	7.05	0.44
tblVehicleEF	UBUS	0.53	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.08	2.6710e-003

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	UBUS	1.3540e-003	1.5800e-004
tblVehicleEF	UBUS	0.23	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.08	2.5430e-003
tblVehicleEF	UBUS	1.2450e-003	1.4500e-004
tblVehicleEF	UBUS	8.7400e-003	1.5800e-003
tblVehicleEF	UBUS	0.13	9.1420e-003
tblVehicleEF	UBUS	4.1930e-003	6.5600e-004
tblVehicleEF	UBUS	0.72	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.23	0.07
tblVehicleEF	UBUS	0.01	4.0080e-003
tblVehicleEF	UBUS	1.6160e-003	1.7300e-004
tblVehicleEF	UBUS	8.7400e-003	1.5800e-003
tblVehicleEF	UBUS	0.13	9.1420e-003
tblVehicleEF	UBUS	4.1930e-003	6.5600e-004
tblVehicleEF	UBUS	2.85	4.31
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.34	0.08
tblVehicleEF	UBUS	2.07	4.21
tblVehicleEF	UBUS	0.08	0.02
tblVehicleEF	UBUS	10.40	32.46
tblVehicleEF	UBUS	12.59	1.21
tblVehicleEF	UBUS	1,878.06	1,734.42
tblVehicleEF	UBUS	133.67	17.09
tblVehicleEF	UBUS	6.56	0.44
tblVehicleEF	UBUS	0.53	0.08

Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.08	2.6710e-003
tblVehicleEF	UBUS	1.3540e-003	1.5800e-004
tblVehicleEF	UBUS	0.23	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.08	2.5430e-003
tblVehicleEF	UBUS	1.2450e-003	1.4500e-004
tblVehicleEF	UBUS	0.02	3.0300e-003
tblVehicleEF	UBUS	0.16	0.01
tblVehicleEF	UBUS	9.9910e-003	1.5490e-003
tblVehicleEF	UBUS	0.73	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.09	0.06
tblVehicleEF	UBUS	0.01	4.0080e-003
tblVehicleEF	UBUS	1.5680e-003	1.6900e-004
tblVehicleEF	UBUS	0.02	3.0300e-003
tblVehicleEF	UBUS	0.16	0.01
tblVehicleEF	UBUS	9.9910e-003	1.5490e-003
tblVehicleEF	UBUS	2.87	4.31
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.20	0.07
tblVehicleEF	UBUS	2.06	4.21
tblVehicleEF	UBUS	0.09	0.02
tblVehicleEF	UBUS	10.30	32.46
tblVehicleEF	UBUS	14.85	1.44
tblVehicleEF	UBUS	1,878.06	1,734.42
tblVehicleEF	UBUS	133.67	17.48

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleEF	UBUS	6.92	0.44
tblVehicleEF	UBUS	0.53	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.08	2.6710e-003
tblVehicleEF	UBUS	1.3540e-003	1.5800e-004
tblVehicleEF	UBUS	0.23	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.08	2.5430e-003
tblVehicleEF	UBUS	1.2450e-003	1.4500e-004
tblVehicleEF	UBUS	0.01	1.6780e-003
tblVehicleEF	UBUS	0.16	0.01
tblVehicleEF	UBUS	4.4110e-003	6.4600e-004
tblVehicleEF	UBUS	0.72	0.07
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.21	0.07
tblVehicleEF	UBUS	0.01	4.0080e-003
tblVehicleEF	UBUS	1.6070e-003	1.7300e-004
tblVehicleEF	UBUS	0.01	1.6780e-003
tblVehicleEF	UBUS	0.16	0.01
tblVehicleEF	UBUS	4.4110e-003	6.4600e-004
tblVehicleEF	UBUS	2.86	4.31
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.32	0.08
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TL	16.60	40.00

Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.68	0.67
tblVehicleTrips	ST_TR	1.68	0.03
tblVehicleTrips	SU_TR	1.68	0.67
tblVehicleTrips	SU_TR	1.68	0.12
tblVehicleTrips	WD_TR	1.68	0.67
tblVehicleTrips	WD_TR	1.68	0.36

**2.0 Emissions Summary**

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Kaiser Commerce Center (Operations - Trucks) - 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	3.8174	5.2000e-004	0.0562	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.2000e-004		0.1276
Energy	0.0552	0.5019	0.4216	3.0100e-003		0.0381	0.0381		0.0381	0.0381		602.2568	602.2568	0.0115	0.0110	605.8357
Mobile	0.7308	20.6948	5.1457	0.0699	2.4819	0.3332	2.8150	0.6963	0.3187	1.0150		7,509.0766	7,509.0766	0.2643		7,515.6841
Offroad	0.1470	1.7867	0.7804	3.1700e-003		0.0586	0.0586		0.0539	0.0539		307.0332	307.0332	0.0993		309.5158
<b>Total</b>	<b>4.7504</b>	<b>22.9839</b>	<b>6.4039</b>	<b>0.0761</b>	<b>2.4819</b>	<b>0.4301</b>	<b>2.9120</b>	<b>0.6963</b>	<b>0.4110</b>	<b>1.1073</b>		<b>8,418.4862</b>	<b>8,418.4862</b>	<b>0.3755</b>	<b>0.0110</b>	<b>8,431.1632</b>

Kaiser Commerce Center (Operations - Trucks) - 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	3.8174	5.2000e-004	0.0562	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.2000e-004		0.1276
Energy	0.0552	0.5019	0.4216	3.0100e-003		0.0381	0.0381		0.0381	0.0381		602.2568	602.2568	0.0115	0.0110	605.8357
Mobile	0.7308	20.6948	5.1457	0.0699	2.4819	0.3332	2.8150	0.6963	0.3187	1.0150		7,509.0766	7,509.0766	0.2643		7,515.6841
Offroad	0.1470	1.7867	0.7804	3.1700e-003		0.0586	0.0586		0.0539	0.0539		307.0332	307.0332	0.0993		309.5158
<b>Total</b>	<b>4.7504</b>	<b>22.9839</b>	<b>6.4039</b>	<b>0.0761</b>	<b>2.4819</b>	<b>0.4301</b>	<b>2.9120</b>	<b>0.6963</b>	<b>0.4110</b>	<b>1.1073</b>		<b>8,418.4862</b>	<b>8,418.4862</b>	<b>0.3755</b>	<b>0.0110</b>	<b>8,431.1632</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
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	Demolition	Demolition	5/4/2020	5/3/2020	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

**Acres of Paving: 6.33**

**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
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

**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
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**



Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

**3.2 Demolition - 2020**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**4.0 Operational Detail - Mobile**

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Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.7308	20.6948	5.1457	0.0699	2.4819	0.3332	2.8150	0.6963	0.3187	1.0150		7,509.0766	7,509.0766	0.2643		7,515.6841
Unmitigated	0.7308	20.6948	5.1457	0.0699	2.4819	0.3332	2.8150	0.6963	0.3187	1.0150		7,509.0766	7,509.0766	0.2643		7,515.6841

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	21.99	21.99	21.99	320,149	320,149
Unrefrigerated Warehouse-No Rail	48.01	3.97	15.87	540,569	540,569
Total	70.00	25.96	37.86	860,718	860,718

**4.3 Trip Type Information**

Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

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
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0
Unrefrigerated Warehouse-No	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
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
Refrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.363600	0.000000	0.090900	0.545500	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.166700	0.000000	0.206900	0.626400	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Kaiser Commerce Center (Operations - Trucks) - 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					
NaturalGas Mitigated	0.0552	0.5019	0.4216	3.0100e-003		0.0381	0.0381		0.0381	0.0381		602.2568	602.2568	0.0115	0.0110	605.8357
NaturalGas Unmitigated	0.0552	0.5019	0.4216	3.0100e-003		0.0381	0.0381		0.0381	0.0381		602.2568	602.2568	0.0115	0.0110	605.8357

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					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	4601.02	0.0496	0.4511	0.3789	2.7100e-003		0.0343	0.0343		0.0343	0.0343		541.2962	541.2962	0.0104	9.9200e-003	544.5128
Unrefrigerated Warehouse-No Rail	518.165	5.5900e-003	0.0508	0.0427	3.0000e-004		3.8600e-003	3.8600e-003		3.8600e-003	3.8600e-003		60.9606	60.9606	1.1700e-003	1.1200e-003	61.3229
<b>Total</b>		<b>0.0552</b>	<b>0.5019</b>	<b>0.4216</b>	<b>3.0100e-003</b>		<b>0.0381</b>	<b>0.0381</b>		<b>0.0381</b>	<b>0.0381</b>		<b>602.2568</b>	<b>602.2568</b>	<b>0.0115</b>	<b>0.0110</b>	<b>605.8357</b>



Kaiser Commerce Center (Operations - Trucks) - 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						
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	4.60102	0.0496	0.4511	0.3789	2.7100e-003		0.0343	0.0343		0.0343	0.0343		541.2962	541.2962	0.0104	9.9200e-003	544.5128	
Unrefrigerated Warehouse-No Rail	0.518165	5.5900e-003	0.0508	0.0427	3.0000e-004		3.8600e-003	3.8600e-003		3.8600e-003	3.8600e-003		60.9606	60.9606	1.1700e-003	1.1200e-003	61.3229	
<b>Total</b>		<b>0.0552</b>	<b>0.5019</b>	<b>0.4216</b>	<b>3.0100e-003</b>		<b>0.0381</b>	<b>0.0381</b>		<b>0.0381</b>	<b>0.0381</b>		<b>602.2568</b>	<b>602.2568</b>	<b>0.0115</b>	<b>0.0110</b>	<b>605.8357</b>	

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Kaiser Commerce Center (Operations - Trucks) - 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	3.8174	5.2000e-004	0.0562	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.2000e-004		0.1276
Unmitigated	3.8174	5.2000e-004	0.0562	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.2000e-004		0.1276

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	0.4409					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.3712					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.2800e-003	5.2000e-004	0.0562	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.2000e-004		0.1276
<b>Total</b>	<b>3.8174</b>	<b>5.2000e-004</b>	<b>0.0562</b>	<b>0.0000</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>		<b>0.1196</b>	<b>0.1196</b>	<b>3.2000e-004</b>		<b>0.1276</b>

Kaiser Commerce Center (Operations - Trucks) - 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	0.4409					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.3712					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.2800e-003	5.2000e-004	0.0562	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.2000e-004		0.1276
<b>Total</b>	<b>3.8174</b>	<b>5.2000e-004</b>	<b>0.0562</b>	<b>0.0000</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>		<b>0.1196</b>	<b>0.1196</b>	<b>3.2000e-004</b>		<b>0.1276</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	1	4.00	365	200	0.37	Diesel

Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Summer

**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					
Tractors/Loaders/Backhoes	0.1470	1.7867	0.7804	3.1700e-003		0.0586	0.0586		0.0539	0.0539		307.0332	307.0332	0.0993		309.5158
<b>Total</b>	<b>0.1470</b>	<b>1.7867</b>	<b>0.7804</b>	<b>3.1700e-003</b>		<b>0.0586</b>	<b>0.0586</b>		<b>0.0539</b>	<b>0.0539</b>		<b>307.0332</b>	<b>307.0332</b>	<b>0.0993</b>		<b>309.5158</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**

Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

**Kaiser Commerce Center (Operations - Trucks)**  
**San Bernardino-South Coast County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	33.07	1000sqft	0.76	33,065.00	0
Unrefrigerated Warehouse-No Rail	132.26	1000sqft	3.04	132,259.00	0
Other Asphalt Surfaces	139.85	1000sqft	3.21	139,847.00	0
Other Non-Asphalt Surfaces	66.24	1000sqft	1.52	66,235.00	0
Parking Lot	175.00	Space	1.60	70,000.00	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>	702.44	<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**

Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

Project Characteristics -

Land Use - Total Project Area is 10.13 acres.

Construction Phase - Operations Run Only.

Off-road Equipment - Operations Run Only.

Trips and VMT - Operations Run Only.

Vehicle Trips - Trip Characteristics based on information provided in the Kaiser Commerce Center Warehouse Trip Generation Assessment by Urban Crossroads, Inc.

Energy Use - The project will design building shells and building components to meet 2019 Title 24 Standards which expects 30% less energy for nonresidential uses.

Operational Off-Road Equipment - Based on SCAQMD High Cube Warehouse Truck Trip Study White Paper Summary of Business Survey Results (2014)

Fleet Mix - Truck Fleet Mix estimated by rationing the Trip Rates for each truck type based on information provided in the TIA.

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblEnergyUse	LightingElect	2.37	1.66
tblEnergyUse	LightingElect	1.17	0.82
tblEnergyUse	T24E	1.06	0.74
tblEnergyUse	T24E	0.37	0.26
tblEnergyUse	T24NG	3.25	2.28
tblEnergyUse	T24NG	2.00	1.40
tblFleetMix	HHD	0.06	0.55
tblFleetMix	HHD	0.06	0.63
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.04	0.00

Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LHD1	0.02	0.36
tblFleetMix	LHD1	0.02	0.17
tblFleetMix	LHD2	5.4600e-003	0.00
tblFleetMix	LHD2	5.4600e-003	0.00
tblFleetMix	MCY	6.1170e-003	0.00
tblFleetMix	MCY	6.1170e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	1.0820e-003	0.00
tblFleetMix	MH	1.0820e-003	0.00
tblFleetMix	MHD	0.02	0.09
tblFleetMix	MHD	0.02	0.21
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	UBUS	1.6570e-003	0.00
tblFleetMix	UBUS	1.6570e-003	0.00
tblLandUse	LotAcreage	1.57	1.60
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00

Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblVehicleEF	HHD	1.26	0.03
tblVehicleEF	HHD	0.04	0.06
tblVehicleEF	HHD	0.13	0.00
tblVehicleEF	HHD	3.65	7.49
tblVehicleEF	HHD	0.59	0.57
tblVehicleEF	HHD	2.11	2.5880e-003
tblVehicleEF	HHD	7,044.09	1,448.69
tblVehicleEF	HHD	1,507.82	1,437.97
tblVehicleEF	HHD	6.10	0.03
tblVehicleEF	HHD	29.67	7.68
tblVehicleEF	HHD	3.22	3.64
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	7.6000e-005	1.0000e-006
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8830e-003	8.9180e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	7.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.0700e-004	5.0000e-006
tblVehicleEF	HHD	4.2590e-003	1.5400e-004
tblVehicleEF	HHD	0.94	0.60
tblVehicleEF	HHD	6.5000e-005	3.0000e-006



Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	2.9100e-004	7.7100e-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	5.0000e-006
tblVehicleEF	HHD	4.2590e-003	1.5400e-004
tblVehicleEF	HHD	1.08	0.69
tblVehicleEF	HHD	6.5000e-005	3.0000e-006
tblVehicleEF	HHD	0.14	0.18
tblVehicleEF	HHD	2.9100e-004	7.7100e-004
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	1.19	0.03
tblVehicleEF	HHD	0.04	0.06
tblVehicleEF	HHD	0.12	0.00
tblVehicleEF	HHD	2.66	7.32
tblVehicleEF	HHD	0.59	0.57
tblVehicleEF	HHD	1.99	2.4340e-003
tblVehicleEF	HHD	7,457.73	1,444.52
tblVehicleEF	HHD	1,507.82	1,437.97
tblVehicleEF	HHD	6.10	0.03
tblVehicleEF	HHD	30.61	7.46
tblVehicleEF	HHD	3.03	3.42
tblVehicleEF	HHD	0.01	0.02
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	7.6000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	0.02
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8830e-003	8.9180e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	7.0000e-005	1.0000e-006
tblVehicleEF	HHD	2.1400e-004	1.0000e-005
tblVehicleEF	HHD	4.8950e-003	1.8100e-004
tblVehicleEF	HHD	0.89	0.63
tblVehicleEF	HHD	1.5100e-004	7.0000e-006
tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	2.9900e-004	7.9700e-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	1.0000e-005
tblVehicleEF	HHD	4.8950e-003	1.8100e-004
tblVehicleEF	HHD	1.02	0.72
tblVehicleEF	HHD	1.5100e-004	7.0000e-006
tblVehicleEF	HHD	0.14	0.18
tblVehicleEF	HHD	2.9900e-004	7.9700e-004
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	1.36	0.03
tblVehicleEF	HHD	0.04	4.6710e-003
tblVehicleEF	HHD	0.13	0.00

Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	HHD	5.01	7.66
tblVehicleEF	HHD	0.59	0.43
tblVehicleEF	HHD	2.07	2.5600e-003
tblVehicleEF	HHD	6,472.88	1,440.00
tblVehicleEF	HHD	1,507.82	1,397.78
tblVehicleEF	HHD	6.10	0.03
tblVehicleEF	HHD	28.37	7.90
tblVehicleEF	HHD	3.17	3.54
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	7.6000e-005	1.0000e-006
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8830e-003	8.8180e-003
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	7.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.1000e-004	5.0000e-006
tblVehicleEF	HHD	4.8700e-003	1.8200e-004
tblVehicleEF	HHD	1.01	0.57
tblVehicleEF	HHD	6.4000e-005	3.0000e-006
tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	3.1000e-004	8.0600e-004
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	HHD	9.6000e-005	0.00
tblVehicleEF	HHD	1.1000e-004	5.0000e-006
tblVehicleEF	HHD	4.8700e-003	1.8200e-004
tblVehicleEF	HHD	1.16	0.65
tblVehicleEF	HHD	6.4000e-005	3.0000e-006
tblVehicleEF	HHD	0.14	0.11
tblVehicleEF	HHD	3.1000e-004	8.0600e-004
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	LDA	5.1540e-003	3.2100e-003
tblVehicleEF	LDA	7.4770e-003	0.06
tblVehicleEF	LDA	0.66	0.77
tblVehicleEF	LDA	1.48	2.29
tblVehicleEF	LDA	271.76	276.68
tblVehicleEF	LDA	61.36	57.07
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	1.7360e-003	1.5890e-003
tblVehicleEF	LDA	2.3270e-003	2.0370e-003
tblVehicleEF	LDA	1.6000e-003	1.4630e-003
tblVehicleEF	LDA	2.1400e-003	1.8730e-003
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.10	0.28
tblVehicleEF	LDA	2.7220e-003	2.7370e-003
tblVehicleEF	LDA	6.3900e-004	5.6500e-004

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.11	0.30
tblVehicleEF	LDA	5.8790e-003	3.6760e-003
tblVehicleEF	LDA	6.2340e-003	0.05
tblVehicleEF	LDA	0.81	0.94
tblVehicleEF	LDA	1.22	1.90
tblVehicleEF	LDA	297.40	302.23
tblVehicleEF	LDA	61.36	56.31
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	1.7360e-003	1.5890e-003
tblVehicleEF	LDA	2.3270e-003	2.0370e-003
tblVehicleEF	LDA	1.6000e-003	1.4630e-003
tblVehicleEF	LDA	2.1400e-003	1.8730e-003
tblVehicleEF	LDA	0.11	0.15
tblVehicleEF	LDA	0.14	0.14
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.08	0.23
tblVehicleEF	LDA	2.9810e-003	2.9900e-003
tblVehicleEF	LDA	6.3500e-004	5.5700e-004
tblVehicleEF	LDA	0.11	0.15
tblVehicleEF	LDA	0.14	0.14

Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.09	0.25
tblVehicleEF	LDA	5.0060e-003	3.1310e-003
tblVehicleEF	LDA	7.4230e-003	0.06
tblVehicleEF	LDA	0.62	0.73
tblVehicleEF	LDA	1.46	2.25
tblVehicleEF	LDA	265.71	270.69
tblVehicleEF	LDA	61.36	57.01
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	1.7360e-003	1.5890e-003
tblVehicleEF	LDA	2.3270e-003	2.0370e-003
tblVehicleEF	LDA	1.6000e-003	1.4630e-003
tblVehicleEF	LDA	2.1400e-003	1.8730e-003
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.26
tblVehicleEF	LDA	0.10	0.27
tblVehicleEF	LDA	2.6610e-003	2.6780e-003
tblVehicleEF	LDA	6.3900e-004	5.6400e-004
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	LDA	0.04	0.26
tblVehicleEF	LDA	0.11	0.30
tblVehicleEF	LDT1	0.02	9.4220e-003
tblVehicleEF	LDT1	0.02	0.10
tblVehicleEF	LDT1	1.88	1.84
tblVehicleEF	LDT1	4.45	2.64
tblVehicleEF	LDT1	332.44	327.73
tblVehicleEF	LDT1	74.44	69.37
tblVehicleEF	LDT1	0.20	0.17
tblVehicleEF	LDT1	3.0160e-003	2.6170e-003
tblVehicleEF	LDT1	4.1090e-003	3.3430e-003
tblVehicleEF	LDT1	2.7780e-003	2.4090e-003
tblVehicleEF	LDT1	3.7800e-003	3.0740e-003
tblVehicleEF	LDT1	0.21	0.23
tblVehicleEF	LDT1	0.38	0.31
tblVehicleEF	LDT1	0.14	0.16
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.23	1.04
tblVehicleEF	LDT1	0.32	0.54
tblVehicleEF	LDT1	3.3490e-003	3.2430e-003
tblVehicleEF	LDT1	8.2300e-004	6.8700e-004
tblVehicleEF	LDT1	0.21	0.23
tblVehicleEF	LDT1	0.38	0.31
tblVehicleEF	LDT1	0.14	0.16
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.23	1.04
tblVehicleEF	LDT1	0.35	0.59

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	2.25	2.22
tblVehicleEF	LDT1	3.66	2.18
tblVehicleEF	LDT1	362.07	354.55
tblVehicleEF	LDT1	74.44	68.34
tblVehicleEF	LDT1	0.18	0.16
tblVehicleEF	LDT1	3.0160e-003	2.6170e-003
tblVehicleEF	LDT1	4.1090e-003	3.3430e-003
tblVehicleEF	LDT1	2.7780e-003	2.4090e-003
tblVehicleEF	LDT1	3.7800e-003	3.0740e-003
tblVehicleEF	LDT1	0.42	0.48
tblVehicleEF	LDT1	0.47	0.39
tblVehicleEF	LDT1	0.30	0.34
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	1.04
tblVehicleEF	LDT1	0.27	0.45
tblVehicleEF	LDT1	3.6510e-003	3.5080e-003
tblVehicleEF	LDT1	8.0900e-004	6.7600e-004
tblVehicleEF	LDT1	0.42	0.48
tblVehicleEF	LDT1	0.47	0.39
tblVehicleEF	LDT1	0.30	0.34
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.23	1.04
tblVehicleEF	LDT1	0.29	0.49
tblVehicleEF	LDT1	0.02	9.2010e-003
tblVehicleEF	LDT1	0.02	0.10



## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	LDT1	1.79	1.75
tblVehicleEF	LDT1	4.37	2.60
tblVehicleEF	LDT1	325.45	321.36
tblVehicleEF	LDT1	74.44	69.28
tblVehicleEF	LDT1	0.19	0.16
tblVehicleEF	LDT1	3.0160e-003	2.6170e-003
tblVehicleEF	LDT1	4.1090e-003	3.3430e-003
tblVehicleEF	LDT1	2.7780e-003	2.4090e-003
tblVehicleEF	LDT1	3.7800e-003	3.0740e-003
tblVehicleEF	LDT1	0.22	0.24
tblVehicleEF	LDT1	0.44	0.36
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.26	1.22
tblVehicleEF	LDT1	0.32	0.54
tblVehicleEF	LDT1	3.2780e-003	3.1800e-003
tblVehicleEF	LDT1	8.2200e-004	6.8600e-004
tblVehicleEF	LDT1	0.22	0.24
tblVehicleEF	LDT1	0.44	0.36
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.26	1.22
tblVehicleEF	LDT1	0.35	0.59
tblVehicleEF	LDT2	7.5900e-003	5.4250e-003
tblVehicleEF	LDT2	0.01	0.09
tblVehicleEF	LDT2	0.92	1.17
tblVehicleEF	LDT2	2.08	3.01

Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	LDT2	375.03	356.41
tblVehicleEF	LDT2	84.46	75.61
tblVehicleEF	LDT2	0.11	0.12
tblVehicleEF	LDT2	1.7360e-003	1.6670e-003
tblVehicleEF	LDT2	2.4270e-003	2.1440e-003
tblVehicleEF	LDT2	1.5970e-003	1.5340e-003
tblVehicleEF	LDT2	2.2320e-003	1.9720e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.14	0.17
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.53
tblVehicleEF	LDT2	0.14	0.42
tblVehicleEF	LDT2	3.7580e-003	3.5260e-003
tblVehicleEF	LDT2	8.8000e-004	7.4800e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.14	0.17
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.08	0.53
tblVehicleEF	LDT2	0.16	0.46
tblVehicleEF	LDT2	8.6210e-003	6.1900e-003
tblVehicleEF	LDT2	8.8260e-003	0.07
tblVehicleEF	LDT2	1.12	1.42
tblVehicleEF	LDT2	1.72	2.48
tblVehicleEF	LDT2	409.49	383.08
tblVehicleEF	LDT2	84.46	74.56

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	1.7360e-003	1.6670e-003
tblVehicleEF	LDT2	2.4270e-003	2.1440e-003
tblVehicleEF	LDT2	1.5970e-003	1.5340e-003
tblVehicleEF	LDT2	2.2320e-003	1.9720e-003
tblVehicleEF	LDT2	0.15	0.23
tblVehicleEF	LDT2	0.17	0.20
tblVehicleEF	LDT2	0.12	0.19
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.52
tblVehicleEF	LDT2	0.12	0.35
tblVehicleEF	LDT2	4.1060e-003	3.7900e-003
tblVehicleEF	LDT2	8.7400e-004	7.3800e-004
tblVehicleEF	LDT2	0.15	0.23
tblVehicleEF	LDT2	0.17	0.20
tblVehicleEF	LDT2	0.12	0.19
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.07	0.52
tblVehicleEF	LDT2	0.13	0.38
tblVehicleEF	LDT2	7.3800e-003	5.2940e-003
tblVehicleEF	LDT2	0.01	0.09
tblVehicleEF	LDT2	0.87	1.11
tblVehicleEF	LDT2	2.04	2.96
tblVehicleEF	LDT2	366.89	350.08
tblVehicleEF	LDT2	84.46	75.53
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	1.7360e-003	1.6670e-003

Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	LDT2	2.4270e-003	2.1440e-003
tblVehicleEF	LDT2	1.5970e-003	1.5340e-003
tblVehicleEF	LDT2	2.2320e-003	1.9720e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.16	0.19
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.09	0.61
tblVehicleEF	LDT2	0.14	0.41
tblVehicleEF	LDT2	3.6760e-003	3.4640e-003
tblVehicleEF	LDT2	8.8000e-004	7.4700e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.16	0.19
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.09	0.61
tblVehicleEF	LDT2	0.16	0.45
tblVehicleEF	LHD1	5.6900e-003	5.0880e-003
tblVehicleEF	LHD1	0.01	7.7680e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.27	1.08
tblVehicleEF	LHD1	2.93	1.12
tblVehicleEF	LHD1	9.23	9.45
tblVehicleEF	LHD1	620.09	663.36
tblVehicleEF	LHD1	31.53	11.23
tblVehicleEF	LHD1	0.09	0.08

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD1	2.40	1.84
tblVehicleEF	LHD1	9.6100e-004	9.3100e-004
tblVehicleEF	LHD1	0.01	9.9320e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0840e-003	2.9900e-004
tblVehicleEF	LHD1	9.1900e-004	8.9100e-004
tblVehicleEF	LHD1	2.5180e-003	2.4830e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.9800e-004	2.7500e-004
tblVehicleEF	LHD1	3.8770e-003	3.4930e-003
tblVehicleEF	LHD1	0.11	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8640e-003	1.6570e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.35	0.65
tblVehicleEF	LHD1	0.30	0.09
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0910e-003	6.4590e-003
tblVehicleEF	LHD1	3.7100e-004	1.1100e-004
tblVehicleEF	LHD1	3.8770e-003	3.4930e-003
tblVehicleEF	LHD1	0.11	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8640e-003	1.6570e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.35	0.65
tblVehicleEF	LHD1	0.33	0.10
tblVehicleEF	LHD1	5.6900e-003	5.1040e-003

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD1	0.02	7.9500e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.29	1.10
tblVehicleEF	LHD1	2.74	1.04
tblVehicleEF	LHD1	9.23	9.45
tblVehicleEF	LHD1	620.09	663.40
tblVehicleEF	LHD1	31.53	11.10
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.25	1.73
tblVehicleEF	LHD1	9.6100e-004	9.3100e-004
tblVehicleEF	LHD1	0.01	9.9320e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0840e-003	2.9900e-004
tblVehicleEF	LHD1	9.1900e-004	8.9100e-004
tblVehicleEF	LHD1	2.5180e-003	2.4830e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.9800e-004	2.7500e-004
tblVehicleEF	LHD1	7.6890e-003	6.9750e-003
tblVehicleEF	LHD1	0.13	0.12
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.2920e-003	3.8740e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.35	0.66
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0910e-003	6.4590e-003

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD1	3.6700e-004	1.1000e-004
tblVehicleEF	LHD1	7.6890e-003	6.9750e-003
tblVehicleEF	LHD1	0.13	0.12
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.2920e-003	3.8740e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.35	0.66
tblVehicleEF	LHD1	0.32	0.10
tblVehicleEF	LHD1	5.6900e-003	5.0910e-003
tblVehicleEF	LHD1	0.01	7.7840e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.27	1.08
tblVehicleEF	LHD1	2.88	1.10
tblVehicleEF	LHD1	9.23	9.45
tblVehicleEF	LHD1	620.09	663.36
tblVehicleEF	LHD1	31.53	11.20
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.36	1.81
tblVehicleEF	LHD1	9.6100e-004	9.3100e-004
tblVehicleEF	LHD1	0.01	9.9320e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0840e-003	2.9900e-004
tblVehicleEF	LHD1	9.1900e-004	8.9100e-004
tblVehicleEF	LHD1	2.5180e-003	2.4830e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.9800e-004	2.7500e-004

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD1	4.3010e-003	3.9210e-003
tblVehicleEF	LHD1	0.13	0.12
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8380e-003	1.6360e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.38	0.70
tblVehicleEF	LHD1	0.30	0.09
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0910e-003	6.4590e-003
tblVehicleEF	LHD1	3.7000e-004	1.1100e-004
tblVehicleEF	LHD1	4.3010e-003	3.9210e-003
tblVehicleEF	LHD1	0.13	0.12
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8380e-003	1.6360e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.38	0.70
tblVehicleEF	LHD1	0.33	0.10
tblVehicleEF	LHD2	4.0010e-003	3.4940e-003
tblVehicleEF	LHD2	5.9170e-003	4.8970e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.63	0.67
tblVehicleEF	LHD2	1.40	0.67
tblVehicleEF	LHD2	14.35	14.68
tblVehicleEF	LHD2	619.96	664.05
tblVehicleEF	LHD2	25.37	8.14
tblVehicleEF	LHD2	0.12	0.12



## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD2	1.91	1.99
tblVehicleEF	LHD2	1.3140e-003	1.3790e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	4.6400e-004	1.4200e-004
tblVehicleEF	LHD2	1.2570e-003	1.3190e-003
tblVehicleEF	LHD2	2.6760e-003	2.6850e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2700e-004	1.3000e-004
tblVehicleEF	LHD2	1.5090e-003	1.7180e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.7800e-004	8.5100e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.11	0.33
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	6.0350e-003	6.4090e-003
tblVehicleEF	LHD2	2.8000e-004	8.1000e-005
tblVehicleEF	LHD2	1.5090e-003	1.7180e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7800e-004	8.5100e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.11	0.33
tblVehicleEF	LHD2	0.15	0.06
tblVehicleEF	LHD2	4.0010e-003	3.5050e-003
tblVehicleEF	LHD2	6.0090e-003	4.9550e-003

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD2	9.7620e-003	0.01
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.63	0.68
tblVehicleEF	LHD2	1.32	0.63
tblVehicleEF	LHD2	14.35	14.68
tblVehicleEF	LHD2	619.96	664.06
tblVehicleEF	LHD2	25.37	8.07
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.80	1.87
tblVehicleEF	LHD2	1.3140e-003	1.3790e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	4.6400e-004	1.4200e-004
tblVehicleEF	LHD2	1.2570e-003	1.3190e-003
tblVehicleEF	LHD2	2.6760e-003	2.6850e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2700e-004	1.3000e-004
tblVehicleEF	LHD2	2.9270e-003	3.3570e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.7180e-003	1.9120e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.11	0.33
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	6.0350e-003	6.4090e-003
tblVehicleEF	LHD2	2.7800e-004	8.0000e-005
tblVehicleEF	LHD2	2.9270e-003	3.3570e-003

Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.7180e-003	1.9120e-003
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.11	0.33
tblVehicleEF	LHD2	0.14	0.06
tblVehicleEF	LHD2	4.0010e-003	3.4970e-003
tblVehicleEF	LHD2	5.9270e-003	4.9040e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.63	0.67
tblVehicleEF	LHD2	1.38	0.66
tblVehicleEF	LHD2	14.35	14.68
tblVehicleEF	LHD2	619.96	664.05
tblVehicleEF	LHD2	25.37	8.12
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.88	1.96
tblVehicleEF	LHD2	1.3140e-003	1.3790e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	4.6400e-004	1.4200e-004
tblVehicleEF	LHD2	1.2570e-003	1.3190e-003
tblVehicleEF	LHD2	2.6760e-003	2.6850e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2700e-004	1.3000e-004
tblVehicleEF	LHD2	1.5970e-003	1.8540e-003
tblVehicleEF	LHD2	0.05	0.06

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.6400e-004	8.3300e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.11	0.35
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	6.0350e-003	6.4090e-003
tblVehicleEF	LHD2	2.7900e-004	8.0000e-005
tblVehicleEF	LHD2	1.5970e-003	1.8540e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.6400e-004	8.3300e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.11	0.35
tblVehicleEF	LHD2	0.15	0.06
tblVehicleEF	MCY	0.41	0.33
tblVehicleEF	MCY	0.16	0.25
tblVehicleEF	MCY	21.63	21.70
tblVehicleEF	MCY	9.90	8.75
tblVehicleEF	MCY	166.31	211.44
tblVehicleEF	MCY	47.31	62.20
tblVehicleEF	MCY	1.17	1.18
tblVehicleEF	MCY	1.7690e-003	1.7420e-003
tblVehicleEF	MCY	3.8320e-003	3.1620e-003
tblVehicleEF	MCY	1.6590e-003	1.6340e-003
tblVehicleEF	MCY	3.6220e-003	2.9860e-003
tblVehicleEF	MCY	1.45	1.43
tblVehicleEF	MCY	0.86	0.84

Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	MCY	0.81	0.80
tblVehicleEF	MCY	2.28	2.28
tblVehicleEF	MCY	0.51	2.16
tblVehicleEF	MCY	2.19	1.93
tblVehicleEF	MCY	2.0810e-003	2.0920e-003
tblVehicleEF	MCY	7.0000e-004	6.1600e-004
tblVehicleEF	MCY	1.45	1.43
tblVehicleEF	MCY	0.86	0.84
tblVehicleEF	MCY	0.81	0.80
tblVehicleEF	MCY	2.77	2.77
tblVehicleEF	MCY	0.51	2.16
tblVehicleEF	MCY	2.38	2.10
tblVehicleEF	MCY	0.41	0.33
tblVehicleEF	MCY	0.14	0.22
tblVehicleEF	MCY	21.75	21.83
tblVehicleEF	MCY	9.07	7.97
tblVehicleEF	MCY	166.31	211.41
tblVehicleEF	MCY	47.31	60.03
tblVehicleEF	MCY	1.00	1.00
tblVehicleEF	MCY	1.7690e-003	1.7420e-003
tblVehicleEF	MCY	3.8320e-003	3.1620e-003
tblVehicleEF	MCY	1.6590e-003	1.6340e-003
tblVehicleEF	MCY	3.6220e-003	2.9860e-003
tblVehicleEF	MCY	3.14	3.12
tblVehicleEF	MCY	1.28	1.27
tblVehicleEF	MCY	2.15	2.12
tblVehicleEF	MCY	2.21	2.21

Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	MCY	0.50	2.15
tblVehicleEF	MCY	1.88	1.65
tblVehicleEF	MCY	2.0810e-003	2.0920e-003
tblVehicleEF	MCY	6.7600e-004	5.9400e-004
tblVehicleEF	MCY	3.14	3.12
tblVehicleEF	MCY	1.28	1.27
tblVehicleEF	MCY	2.15	2.12
tblVehicleEF	MCY	2.70	2.69
tblVehicleEF	MCY	0.50	2.15
tblVehicleEF	MCY	2.05	1.79
tblVehicleEF	MCY	0.41	0.33
tblVehicleEF	MCY	0.15	0.25
tblVehicleEF	MCY	20.62	20.68
tblVehicleEF	MCY	9.51	8.39
tblVehicleEF	MCY	166.31	209.68
tblVehicleEF	MCY	47.31	61.38
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	1.7690e-003	1.7420e-003
tblVehicleEF	MCY	3.8320e-003	3.1620e-003
tblVehicleEF	MCY	1.6590e-003	1.6340e-003
tblVehicleEF	MCY	3.6220e-003	2.9860e-003
tblVehicleEF	MCY	1.71	1.69
tblVehicleEF	MCY	1.15	1.12
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.24	2.23
tblVehicleEF	MCY	0.57	2.45
tblVehicleEF	MCY	2.11	1.85

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	MCY	2.0640e-003	2.0750e-003
tblVehicleEF	MCY	6.9100e-004	6.0700e-004
tblVehicleEF	MCY	1.71	1.69
tblVehicleEF	MCY	1.15	1.12
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.73	2.72
tblVehicleEF	MCY	0.57	2.45
tblVehicleEF	MCY	2.30	2.01
tblVehicleEF	MDV	0.02	7.4600e-003
tblVehicleEF	MDV	0.02	0.11
tblVehicleEF	MDV	1.73	1.47
tblVehicleEF	MDV	3.93	3.71
tblVehicleEF	MDV	510.99	438.31
tblVehicleEF	MDV	113.32	92.88
tblVehicleEF	MDV	0.22	0.16
tblVehicleEF	MDV	1.8900e-003	1.7940e-003
tblVehicleEF	MDV	2.6570e-003	2.2880e-003
tblVehicleEF	MDV	1.7440e-003	1.6560e-003
tblVehicleEF	MDV	2.4460e-003	2.1070e-003
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.21	0.19
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.31	0.54
tblVehicleEF	MDV	5.1260e-003	4.3340e-003
tblVehicleEF	MDV	1.2030e-003	9.1900e-004

Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.21	0.19
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.34	0.59
tblVehicleEF	MDV	0.02	8.4130e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	2.07	1.77
tblVehicleEF	MDV	3.28	3.07
tblVehicleEF	MDV	556.34	466.62
tblVehicleEF	MDV	113.32	91.58
tblVehicleEF	MDV	0.20	0.14
tblVehicleEF	MDV	1.8900e-003	1.7940e-003
tblVehicleEF	MDV	2.6570e-003	2.2880e-003
tblVehicleEF	MDV	1.7440e-003	1.6560e-003
tblVehicleEF	MDV	2.4460e-003	2.1070e-003
tblVehicleEF	MDV	0.21	0.26
tblVehicleEF	MDV	0.25	0.22
tblVehicleEF	MDV	0.18	0.22
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.26	0.45
tblVehicleEF	MDV	5.5850e-003	4.6140e-003
tblVehicleEF	MDV	1.1910e-003	9.0600e-004
tblVehicleEF	MDV	0.21	0.26
tblVehicleEF	MDV	0.25	0.22



## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	MDV	0.18	0.22
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.11	0.55
tblVehicleEF	MDV	0.29	0.50
tblVehicleEF	MDV	0.01	7.2640e-003
tblVehicleEF	MDV	0.02	0.11
tblVehicleEF	MDV	1.63	1.39
tblVehicleEF	MDV	3.86	3.65
tblVehicleEF	MDV	500.39	431.57
tblVehicleEF	MDV	113.32	92.77
tblVehicleEF	MDV	0.21	0.15
tblVehicleEF	MDV	1.8900e-003	1.7940e-003
tblVehicleEF	MDV	2.6570e-003	2.2880e-003
tblVehicleEF	MDV	1.7440e-003	1.6560e-003
tblVehicleEF	MDV	2.4460e-003	2.1070e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.63
tblVehicleEF	MDV	0.31	0.54
tblVehicleEF	MDV	5.0190e-003	4.2670e-003
tblVehicleEF	MDV	1.2020e-003	9.1800e-004
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.06	0.05

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	MDV	0.13	0.63
tblVehicleEF	MDV	0.34	0.59
tblVehicleEF	MH	0.04	3.9290e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	4.29	0.37
tblVehicleEF	MH	7.50	0.00
tblVehicleEF	MH	1,044.38	962.75
tblVehicleEF	MH	61.75	0.00
tblVehicleEF	MH	1.73	4.84
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.16
tblVehicleEF	MH	1.5070e-003	0.00
tblVehicleEF	MH	3.2190e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.15
tblVehicleEF	MH	1.3940e-003	0.00
tblVehicleEF	MH	1.65	0.00
tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	0.56	0.00
tblVehicleEF	MH	0.14	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.45	0.00
tblVehicleEF	MH	0.01	9.1010e-003
tblVehicleEF	MH	7.4900e-004	0.00
tblVehicleEF	MH	1.65	0.00
tblVehicleEF	MH	0.10	0.00
tblVehicleEF	MH	0.56	0.00
tblVehicleEF	MH	0.19	0.10

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.49	0.00
tblVehicleEF	MH	0.05	3.9290e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	4.46	0.37
tblVehicleEF	MH	6.85	0.00
tblVehicleEF	MH	1,044.38	962.75
tblVehicleEF	MH	61.75	0.00
tblVehicleEF	MH	1.58	4.55
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.16
tblVehicleEF	MH	1.5070e-003	0.00
tblVehicleEF	MH	3.2190e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.15
tblVehicleEF	MH	1.3940e-003	0.00
tblVehicleEF	MH	3.30	0.00
tblVehicleEF	MH	0.12	0.00
tblVehicleEF	MH	1.37	0.00
tblVehicleEF	MH	0.14	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.01	9.1010e-003
tblVehicleEF	MH	7.3800e-004	0.00
tblVehicleEF	MH	3.30	0.00
tblVehicleEF	MH	0.12	0.00
tblVehicleEF	MH	1.37	0.00
tblVehicleEF	MH	0.20	0.10

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.46	0.00
tblVehicleEF	MH	0.04	3.9290e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	4.28	0.37
tblVehicleEF	MH	7.39	0.00
tblVehicleEF	MH	1,044.38	962.75
tblVehicleEF	MH	61.75	0.00
tblVehicleEF	MH	1.69	4.76
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.16
tblVehicleEF	MH	1.5070e-003	0.00
tblVehicleEF	MH	3.2190e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.15
tblVehicleEF	MH	1.3940e-003	0.00
tblVehicleEF	MH	2.00	0.00
tblVehicleEF	MH	0.13	0.00
tblVehicleEF	MH	0.59	0.00
tblVehicleEF	MH	0.14	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.44	0.00
tblVehicleEF	MH	0.01	9.1010e-003
tblVehicleEF	MH	7.4700e-004	0.00
tblVehicleEF	MH	2.00	0.00
tblVehicleEF	MH	0.13	0.00
tblVehicleEF	MH	0.59	0.00
tblVehicleEF	MH	0.19	0.10

Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.49	0.00
tblVehicleEF	MHD	0.02	3.2690e-003
tblVehicleEF	MHD	6.5200e-003	7.4410e-003
tblVehicleEF	MHD	0.06	9.2700e-003
tblVehicleEF	MHD	0.41	0.34
tblVehicleEF	MHD	0.48	0.67
tblVehicleEF	MHD	6.64	1.11
tblVehicleEF	MHD	157.61	72.65
tblVehicleEF	MHD	1,102.10	1,047.06
tblVehicleEF	MHD	54.49	8.73
tblVehicleEF	MHD	0.99	0.68
tblVehicleEF	MHD	1.67	2.66
tblVehicleEF	MHD	2.8010e-003	2.4760e-003
tblVehicleEF	MHD	0.04	0.08
tblVehicleEF	MHD	8.7800e-004	1.1500e-004
tblVehicleEF	MHD	2.6800e-003	2.3690e-003
tblVehicleEF	MHD	0.04	0.08
tblVehicleEF	MHD	8.0700e-004	1.0600e-004
tblVehicleEF	MHD	1.5850e-003	7.5000e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.7500e-004	3.6500e-004
tblVehicleEF	MHD	0.08	0.13
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.40	0.05
tblVehicleEF	MHD	1.5150e-003	6.8900e-004

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	MHD	0.01	9.9770e-003
tblVehicleEF	MHD	6.6100e-004	8.6000e-005
tblVehicleEF	MHD	1.5850e-003	7.5000e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.7500e-004	3.6500e-004
tblVehicleEF	MHD	0.09	0.15
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.44	0.05
tblVehicleEF	MHD	0.02	3.0990e-003
tblVehicleEF	MHD	6.6290e-003	7.5050e-003
tblVehicleEF	MHD	0.06	8.8360e-003
tblVehicleEF	MHD	0.29	0.28
tblVehicleEF	MHD	0.49	0.68
tblVehicleEF	MHD	6.20	1.04
tblVehicleEF	MHD	166.94	74.24
tblVehicleEF	MHD	1,102.10	1,047.07
tblVehicleEF	MHD	54.49	8.61
tblVehicleEF	MHD	1.02	0.69
tblVehicleEF	MHD	1.57	2.50
tblVehicleEF	MHD	2.3620e-003	2.0900e-003
tblVehicleEF	MHD	0.04	0.08
tblVehicleEF	MHD	8.7800e-004	1.1500e-004
tblVehicleEF	MHD	2.2590e-003	1.9990e-003
tblVehicleEF	MHD	0.04	0.08
tblVehicleEF	MHD	8.0700e-004	1.0600e-004
tblVehicleEF	MHD	3.1650e-003	1.5010e-003

Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	MHD	0.06	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.8350e-003	8.6900e-004
tblVehicleEF	MHD	0.08	0.13
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.38	0.05
tblVehicleEF	MHD	1.6030e-003	7.0400e-004
tblVehicleEF	MHD	0.01	9.9770e-003
tblVehicleEF	MHD	6.5400e-004	8.5000e-005
tblVehicleEF	MHD	3.1650e-003	1.5010e-003
tblVehicleEF	MHD	0.06	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	1.8350e-003	8.6900e-004
tblVehicleEF	MHD	0.09	0.15
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.42	0.05
tblVehicleEF	MHD	0.02	3.5160e-003
tblVehicleEF	MHD	6.5300e-003	7.4460e-003
tblVehicleEF	MHD	0.06	9.1670e-003
tblVehicleEF	MHD	0.56	0.43
tblVehicleEF	MHD	0.48	0.68
tblVehicleEF	MHD	6.52	1.09
tblVehicleEF	MHD	144.70	70.46
tblVehicleEF	MHD	1,102.10	1,047.06
tblVehicleEF	MHD	54.49	8.70
tblVehicleEF	MHD	0.94	0.66
tblVehicleEF	MHD	1.64	2.61

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	MHD	3.4090e-003	3.0090e-003
tblVehicleEF	MHD	0.04	0.08
tblVehicleEF	MHD	8.7800e-004	1.1500e-004
tblVehicleEF	MHD	3.2610e-003	2.8790e-003
tblVehicleEF	MHD	0.04	0.08
tblVehicleEF	MHD	8.0700e-004	1.0600e-004
tblVehicleEF	MHD	1.7730e-003	8.4100e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.6800e-004	3.6200e-004
tblVehicleEF	MHD	0.08	0.13
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.40	0.05
tblVehicleEF	MHD	1.3930e-003	6.6800e-004
tblVehicleEF	MHD	0.01	9.9770e-003
tblVehicleEF	MHD	6.5900e-004	8.6000e-005
tblVehicleEF	MHD	1.7730e-003	8.4100e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.6800e-004	3.6200e-004
tblVehicleEF	MHD	0.09	0.15
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.43	0.05
tblVehicleEF	OBUS	0.01	9.4880e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.27	0.49



## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	OBUS	0.84	1.38
tblVehicleEF	OBUS	7.08	2.89
tblVehicleEF	OBUS	69.66	68.94
tblVehicleEF	OBUS	1,125.58	1,531.86
tblVehicleEF	OBUS	71.49	22.61
tblVehicleEF	OBUS	0.36	0.44
tblVehicleEF	OBUS	1.31	1.73
tblVehicleEF	OBUS	1.6600e-004	2.0970e-003
tblVehicleEF	OBUS	6.3680e-003	0.03
tblVehicleEF	OBUS	9.0100e-004	2.3900e-004
tblVehicleEF	OBUS	1.5900e-004	2.0060e-003
tblVehicleEF	OBUS	6.0730e-003	0.03
tblVehicleEF	OBUS	8.2900e-004	2.2000e-004
tblVehicleEF	OBUS	2.2890e-003	2.8330e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	9.6000e-004	1.1430e-003
tblVehicleEF	OBUS	0.05	0.10
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.44	0.14
tblVehicleEF	OBUS	6.7700e-004	6.5900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.3900e-004	2.2400e-004
tblVehicleEF	OBUS	2.2890e-003	2.8330e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.6000e-004	1.1430e-003

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	OBUS	0.07	0.13
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.48	0.15
tblVehicleEF	OBUS	0.01	9.5010e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.26	0.46
tblVehicleEF	OBUS	0.86	1.41
tblVehicleEF	OBUS	6.48	2.65
tblVehicleEF	OBUS	72.76	69.63
tblVehicleEF	OBUS	1,125.58	1,531.92
tblVehicleEF	OBUS	71.49	22.21
tblVehicleEF	OBUS	0.37	0.44
tblVehicleEF	OBUS	1.21	1.60
tblVehicleEF	OBUS	1.4000e-004	1.7700e-003
tblVehicleEF	OBUS	6.3680e-003	0.03
tblVehicleEF	OBUS	9.0100e-004	2.3900e-004
tblVehicleEF	OBUS	1.3400e-004	1.6940e-003
tblVehicleEF	OBUS	6.0730e-003	0.03
tblVehicleEF	OBUS	8.2900e-004	2.2000e-004
tblVehicleEF	OBUS	4.4650e-003	5.5400e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	2.2300e-003	2.6720e-003
tblVehicleEF	OBUS	0.06	0.10
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.41	0.13

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	OBUS	7.0700e-004	6.6500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2900e-004	2.2000e-004
tblVehicleEF	OBUS	4.4650e-003	5.5400e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.2300e-003	2.6720e-003
tblVehicleEF	OBUS	0.07	0.13
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.45	0.15
tblVehicleEF	OBUS	0.01	9.5070e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.29	0.52
tblVehicleEF	OBUS	0.84	1.38
tblVehicleEF	OBUS	7.02	2.87
tblVehicleEF	OBUS	65.38	68.00
tblVehicleEF	OBUS	1,125.58	1,531.87
tblVehicleEF	OBUS	71.49	22.58
tblVehicleEF	OBUS	0.35	0.44
tblVehicleEF	OBUS	1.28	1.70
tblVehicleEF	OBUS	2.0300e-004	2.5470e-003
tblVehicleEF	OBUS	6.3680e-003	0.03
tblVehicleEF	OBUS	9.0100e-004	2.3900e-004
tblVehicleEF	OBUS	1.9400e-004	2.4370e-003
tblVehicleEF	OBUS	6.0730e-003	0.03
tblVehicleEF	OBUS	8.2900e-004	2.2000e-004

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	OBUS	2.4760e-003	3.1080e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	9.7500e-004	1.1620e-003
tblVehicleEF	OBUS	0.05	0.10
tblVehicleEF	OBUS	0.06	0.33
tblVehicleEF	OBUS	0.44	0.14
tblVehicleEF	OBUS	6.3600e-004	6.5000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.3800e-004	2.2300e-004
tblVehicleEF	OBUS	2.4760e-003	3.1080e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.7500e-004	1.1620e-003
tblVehicleEF	OBUS	0.07	0.13
tblVehicleEF	OBUS	0.06	0.33
tblVehicleEF	OBUS	0.48	0.15
tblVehicleEF	SBUS	0.87	0.04
tblVehicleEF	SBUS	0.01	7.8850e-003
tblVehicleEF	SBUS	0.08	3.7580e-003
tblVehicleEF	SBUS	5.54	1.74
tblVehicleEF	SBUS	0.77	0.66
tblVehicleEF	SBUS	5.64	0.52
tblVehicleEF	SBUS	1,282.62	337.41
tblVehicleEF	SBUS	1,152.18	1,158.46
tblVehicleEF	SBUS	35.03	3.01
tblVehicleEF	SBUS	13.20	3.54

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	SBUS	5.57	5.66
tblVehicleEF	SBUS	0.02	4.9280e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0700e-004	2.8000e-005
tblVehicleEF	SBUS	0.01	4.7150e-003
tblVehicleEF	SBUS	2.7710e-003	2.7830e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	4.6600e-004	2.6000e-005
tblVehicleEF	SBUS	3.3280e-003	7.8600e-004
tblVehicleEF	SBUS	0.02	5.8070e-003
tblVehicleEF	SBUS	0.67	0.18
tblVehicleEF	SBUS	1.3510e-003	3.4400e-004
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.29	0.02
tblVehicleEF	SBUS	0.01	3.2060e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.4800e-004	3.0000e-005
tblVehicleEF	SBUS	3.3280e-003	7.8600e-004
tblVehicleEF	SBUS	0.02	5.8070e-003
tblVehicleEF	SBUS	0.95	0.26
tblVehicleEF	SBUS	1.3510e-003	3.4400e-004
tblVehicleEF	SBUS	0.15	0.13
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	0.87	0.04

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	SBUS	0.01	7.9830e-003
tblVehicleEF	SBUS	0.06	3.1210e-003
tblVehicleEF	SBUS	5.38	1.70
tblVehicleEF	SBUS	0.78	0.67
tblVehicleEF	SBUS	3.86	0.37
tblVehicleEF	SBUS	1,348.56	346.48
tblVehicleEF	SBUS	1,152.18	1,158.48
tblVehicleEF	SBUS	35.03	2.75
tblVehicleEF	SBUS	13.63	3.62
tblVehicleEF	SBUS	5.22	5.31
tblVehicleEF	SBUS	0.01	4.1620e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0700e-004	2.8000e-005
tblVehicleEF	SBUS	0.01	3.9820e-003
tblVehicleEF	SBUS	2.7710e-003	2.7830e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	4.6600e-004	2.6000e-005
tblVehicleEF	SBUS	6.4210e-003	1.4060e-003
tblVehicleEF	SBUS	0.03	6.2120e-003
tblVehicleEF	SBUS	0.66	0.18
tblVehicleEF	SBUS	3.0640e-003	6.6900e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.24	0.02
tblVehicleEF	SBUS	0.01	3.2910e-003
tblVehicleEF	SBUS	0.01	0.01

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	SBUS	4.1800e-004	2.7000e-005
tblVehicleEF	SBUS	6.4210e-003	1.4060e-003
tblVehicleEF	SBUS	0.03	6.2120e-003
tblVehicleEF	SBUS	0.95	0.26
tblVehicleEF	SBUS	3.0640e-003	6.6900e-004
tblVehicleEF	SBUS	0.15	0.13
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.26	0.02
tblVehicleEF	SBUS	0.88	0.04
tblVehicleEF	SBUS	0.01	7.8800e-003
tblVehicleEF	SBUS	0.08	3.8540e-003
tblVehicleEF	SBUS	5.77	1.80
tblVehicleEF	SBUS	0.77	0.66
tblVehicleEF	SBUS	5.69	0.54
tblVehicleEF	SBUS	1,191.56	324.88
tblVehicleEF	SBUS	1,152.18	1,158.46
tblVehicleEF	SBUS	35.03	3.04
tblVehicleEF	SBUS	12.62	3.43
tblVehicleEF	SBUS	5.48	5.57
tblVehicleEF	SBUS	0.02	5.9860e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.0700e-004	2.8000e-005
tblVehicleEF	SBUS	0.02	5.7270e-003
tblVehicleEF	SBUS	2.7710e-003	2.7830e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	4.6600e-004	2.6000e-005

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	SBUS	3.5990e-003	8.1900e-004
tblVehicleEF	SBUS	0.03	6.4950e-003
tblVehicleEF	SBUS	0.67	0.18
tblVehicleEF	SBUS	1.3510e-003	3.5700e-004
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.30	0.02
tblVehicleEF	SBUS	0.01	3.0870e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.4900e-004	3.0000e-005
tblVehicleEF	SBUS	3.5990e-003	8.1900e-004
tblVehicleEF	SBUS	0.03	6.4950e-003
tblVehicleEF	SBUS	0.96	0.26
tblVehicleEF	SBUS	1.3510e-003	3.5700e-004
tblVehicleEF	SBUS	0.15	0.13
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.33	0.02
tblVehicleEF	UBUS	2.06	4.21
tblVehicleEF	UBUS	0.09	0.02
tblVehicleEF	UBUS	10.29	32.46
tblVehicleEF	UBUS	15.37	1.48
tblVehicleEF	UBUS	1,878.06	1,734.42
tblVehicleEF	UBUS	133.67	17.53
tblVehicleEF	UBUS	7.05	0.44
tblVehicleEF	UBUS	0.53	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.08	2.6710e-003



Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	UBUS	1.3540e-003	1.5800e-004
tblVehicleEF	UBUS	0.23	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.08	2.5430e-003
tblVehicleEF	UBUS	1.2450e-003	1.4500e-004
tblVehicleEF	UBUS	8.7400e-003	1.5800e-003
tblVehicleEF	UBUS	0.13	9.1420e-003
tblVehicleEF	UBUS	4.1930e-003	6.5600e-004
tblVehicleEF	UBUS	0.72	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.23	0.07
tblVehicleEF	UBUS	0.01	4.0080e-003
tblVehicleEF	UBUS	1.6160e-003	1.7300e-004
tblVehicleEF	UBUS	8.7400e-003	1.5800e-003
tblVehicleEF	UBUS	0.13	9.1420e-003
tblVehicleEF	UBUS	4.1930e-003	6.5600e-004
tblVehicleEF	UBUS	2.85	4.31
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.34	0.08
tblVehicleEF	UBUS	2.07	4.21
tblVehicleEF	UBUS	0.08	0.02
tblVehicleEF	UBUS	10.40	32.46
tblVehicleEF	UBUS	12.59	1.21
tblVehicleEF	UBUS	1,878.06	1,734.42
tblVehicleEF	UBUS	133.67	17.09
tblVehicleEF	UBUS	6.56	0.44
tblVehicleEF	UBUS	0.53	0.08

Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.08	2.6710e-003
tblVehicleEF	UBUS	1.3540e-003	1.5800e-004
tblVehicleEF	UBUS	0.23	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.08	2.5430e-003
tblVehicleEF	UBUS	1.2450e-003	1.4500e-004
tblVehicleEF	UBUS	0.02	3.0300e-003
tblVehicleEF	UBUS	0.16	0.01
tblVehicleEF	UBUS	9.9910e-003	1.5490e-003
tblVehicleEF	UBUS	0.73	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.09	0.06
tblVehicleEF	UBUS	0.01	4.0080e-003
tblVehicleEF	UBUS	1.5680e-003	1.6900e-004
tblVehicleEF	UBUS	0.02	3.0300e-003
tblVehicleEF	UBUS	0.16	0.01
tblVehicleEF	UBUS	9.9910e-003	1.5490e-003
tblVehicleEF	UBUS	2.87	4.31
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.20	0.07
tblVehicleEF	UBUS	2.06	4.21
tblVehicleEF	UBUS	0.09	0.02
tblVehicleEF	UBUS	10.30	32.46
tblVehicleEF	UBUS	14.85	1.44
tblVehicleEF	UBUS	1,878.06	1,734.42
tblVehicleEF	UBUS	133.67	17.48

## Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleEF	UBUS	6.92	0.44
tblVehicleEF	UBUS	0.53	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.08	2.6710e-003
tblVehicleEF	UBUS	1.3540e-003	1.5800e-004
tblVehicleEF	UBUS	0.23	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.08	2.5430e-003
tblVehicleEF	UBUS	1.2450e-003	1.4500e-004
tblVehicleEF	UBUS	0.01	1.6780e-003
tblVehicleEF	UBUS	0.16	0.01
tblVehicleEF	UBUS	4.4110e-003	6.4600e-004
tblVehicleEF	UBUS	0.72	0.07
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.21	0.07
tblVehicleEF	UBUS	0.01	4.0080e-003
tblVehicleEF	UBUS	1.6070e-003	1.7300e-004
tblVehicleEF	UBUS	0.01	1.6780e-003
tblVehicleEF	UBUS	0.16	0.01
tblVehicleEF	UBUS	4.4110e-003	6.4600e-004
tblVehicleEF	UBUS	2.86	4.31
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.32	0.08
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TL	16.60	40.00

Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.68	0.67
tblVehicleTrips	ST_TR	1.68	0.03
tblVehicleTrips	SU_TR	1.68	0.67
tblVehicleTrips	SU_TR	1.68	0.12
tblVehicleTrips	WD_TR	1.68	0.67
tblVehicleTrips	WD_TR	1.68	0.36

**2.0 Emissions Summary**

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Kaiser Commerce Center (Operations - Trucks) - 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	3.8174	5.2000e-004	0.0562	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.2000e-004		0.1276
Energy	0.0552	0.5019	0.4216	3.0100e-003		0.0381	0.0381		0.0381	0.0381		602.2568	602.2568	0.0115	0.0110	605.8357
Mobile	0.7072	21.4026	4.6087	0.0699	2.4778	0.3330	2.8108	0.6949	0.3186	1.0134		7,359.4083	7,359.4083	0.0397		7,360.4019
Offroad	0.1470	1.7867	0.7804	3.1700e-003		0.0586	0.0586		0.0539	0.0539		307.0332	307.0332	0.0993		309.5158
<b>Total</b>	<b>4.7268</b>	<b>23.6917</b>	<b>5.8669</b>	<b>0.0761</b>	<b>2.4778</b>	<b>0.4300</b>	<b>2.9078</b>	<b>0.6949</b>	<b>0.4108</b>	<b>1.1057</b>		<b>8,268.8179</b>	<b>8,268.8179</b>	<b>0.1509</b>	<b>0.0110</b>	<b>8,275.8809</b>

Kaiser Commerce Center (Operations - Trucks) - 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	3.8174	5.2000e-004	0.0562	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.2000e-004		0.1276
Energy	0.0552	0.5019	0.4216	3.0100e-003		0.0381	0.0381		0.0381	0.0381		602.2568	602.2568	0.0115	0.0110	605.8357
Mobile	0.7072	21.4026	4.6087	0.0699	2.4778	0.3330	2.8108	0.6949	0.3186	1.0134		7,359.4083	7,359.4083	0.0397		7,360.4019
Offroad	0.1470	1.7867	0.7804	3.1700e-003		0.0586	0.0586		0.0539	0.0539		307.0332	307.0332	0.0993		309.5158
<b>Total</b>	<b>4.7268</b>	<b>23.6917</b>	<b>5.8669</b>	<b>0.0761</b>	<b>2.4778</b>	<b>0.4300</b>	<b>2.9078</b>	<b>0.6949</b>	<b>0.4108</b>	<b>1.1057</b>		<b>8,268.8179</b>	<b>8,268.8179</b>	<b>0.1509</b>	<b>0.0110</b>	<b>8,275.8809</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
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	Demolition	Demolition	5/4/2020	5/3/2020	5	0	

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

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

Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

**Acres of Paving: 6.33**

**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
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

**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
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**





Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

**3.2 Demolition - 2020**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**4.0 Operational Detail - Mobile**

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Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.7072	21.4026	4.6087	0.0699	2.4778	0.3330	2.8108	0.6949	0.3186	1.0134		7,359.4083	7,359.4083	0.0397		7,360.4019
Unmitigated	0.7072	21.4026	4.6087	0.0699	2.4778	0.3330	2.8108	0.6949	0.3186	1.0134		7,359.4083	7,359.4083	0.0397		7,360.4019

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	21.99	21.99	21.99	320,149	320,149
Unrefrigerated Warehouse-No Rail	48.01	3.97	15.87	540,569	540,569
<b>Total</b>	<b>70.00</b>	<b>25.96</b>	<b>37.86</b>	<b>860,718</b>	<b>860,718</b>

**4.3 Trip Type Information**

Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

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
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0
Unrefrigerated Warehouse-No	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
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
Refrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.363600	0.000000	0.090900	0.545500	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.166700	0.000000	0.206900	0.626400	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Kaiser Commerce Center (Operations - Trucks) - 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					
NaturalGas Mitigated	0.0552	0.5019	0.4216	3.0100e-003		0.0381	0.0381		0.0381	0.0381		602.2568	602.2568	0.0115	0.0110	605.8357
NaturalGas Unmitigated	0.0552	0.5019	0.4216	3.0100e-003		0.0381	0.0381		0.0381	0.0381		602.2568	602.2568	0.0115	0.0110	605.8357

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					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	4601.02	0.0496	0.4511	0.3789	2.7100e-003		0.0343	0.0343		0.0343	0.0343		541.2962	541.2962	0.0104	9.9200e-003	544.5128
Unrefrigerated Warehouse-No Rail	518.165	5.5900e-003	0.0508	0.0427	3.0000e-004		3.8600e-003	3.8600e-003		3.8600e-003	3.8600e-003		60.9606	60.9606	1.1700e-003	1.1200e-003	61.3229
<b>Total</b>		<b>0.0552</b>	<b>0.5019</b>	<b>0.4216</b>	<b>3.0100e-003</b>		<b>0.0381</b>	<b>0.0381</b>		<b>0.0381</b>	<b>0.0381</b>		<b>602.2568</b>	<b>602.2568</b>	<b>0.0115</b>	<b>0.0110</b>	<b>605.8357</b>

Kaiser Commerce Center (Operations - Trucks) - 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						
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	4.60102	0.0496	0.4511	0.3789	2.7100e-003		0.0343	0.0343		0.0343	0.0343		541.2962	541.2962	0.0104	9.9200e-003	544.5128	
Unrefrigerated Warehouse-No Rail	0.518165	5.5900e-003	0.0508	0.0427	3.0000e-004		3.8600e-003	3.8600e-003		3.8600e-003	3.8600e-003		60.9606	60.9606	1.1700e-003	1.1200e-003	61.3229	
<b>Total</b>		<b>0.0552</b>	<b>0.5019</b>	<b>0.4216</b>	<b>3.0100e-003</b>		<b>0.0381</b>	<b>0.0381</b>		<b>0.0381</b>	<b>0.0381</b>		<b>602.2568</b>	<b>602.2568</b>	<b>0.0115</b>	<b>0.0110</b>	<b>605.8357</b>	

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Kaiser Commerce Center (Operations - Trucks) - 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	3.8174	5.2000e-004	0.0562	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.2000e-004		0.1276
Unmitigated	3.8174	5.2000e-004	0.0562	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.2000e-004		0.1276

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	0.4409					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.3712					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.2800e-003	5.2000e-004	0.0562	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.2000e-004		0.1276
<b>Total</b>	<b>3.8174</b>	<b>5.2000e-004</b>	<b>0.0562</b>	<b>0.0000</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>		<b>0.1196</b>	<b>0.1196</b>	<b>3.2000e-004</b>		<b>0.1276</b>

Kaiser Commerce Center (Operations - Trucks) - 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	0.4409					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.3712					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.2800e-003	5.2000e-004	0.0562	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.2000e-004		0.1276
<b>Total</b>	<b>3.8174</b>	<b>5.2000e-004</b>	<b>0.0562</b>	<b>0.0000</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>		<b>0.1196</b>	<b>0.1196</b>	<b>3.2000e-004</b>		<b>0.1276</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	1	4.00	365	200	0.37	Diesel



Kaiser Commerce Center (Operations - Trucks) - San Bernardino-South Coast County, Winter

**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					
Tractors/Loaders/Backhoes	0.1470	1.7867	0.7804	3.1700e-003		0.0586	0.0586		0.0539	0.0539		307.0332	307.0332	0.0993		309.5158
<b>Total</b>	<b>0.1470</b>	<b>1.7867</b>	<b>0.7804</b>	<b>3.1700e-003</b>		<b>0.0586</b>	<b>0.0586</b>		<b>0.0539</b>	<b>0.0539</b>		<b>307.0332</b>	<b>307.0332</b>	<b>0.0993</b>		<b>309.5158</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**

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