



Balboa Avenue Station Area Specific Plan Project

AIR QUALITY TECHNICAL REPORT

March 2018 | RDG-01.10

Prepared for:

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Air Quality Technical Report

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ACRONYMS AND ABBREVIATIONS

µg/m ³	micrograms per cubic meter
AB	Assembly Bill
AQIA	Air Quality Impact Assessment
BASASP	Balboa Avenue Station Area Specific Plan
BMPs	best management practices
CAA	Clean Air Act (Federal)
CAAQS	California Ambient Air Quality Standard
CalEEMod	California Emission Estimator Model
CalEPA	California Environmental Protection Agency
CALGreen	California Green Building Standards Code
CARB	California Air Resources Board
CCAA	California Clean Air Act
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CEUS	California Commercial End Use Survey
City	City of San Diego
CO	carbon monoxide
County	County of San Diego
DPM	diesel particulate matter
°F	Fahrenheit (degrees)
g/L	grams per liter
GHG	greenhouse gas
H ₂ S	hydrogen sulfide
IEM	Iowa Environmental Mesonet
I-	Interstate
LCFS	Low Carbon Fuel Standard
LOS	level of service
mph	miles per hour
NAAQS	National Ambient Air Quality Standard
NO	nitrogen oxide
NO _x	oxides of nitrogen
NO ₂	nitrogen dioxide

ACRONYMS AND ABBREVIATIONS (cont.)

O ₃	Ozone
Pb	lead
PM _{2.5}	fine particulate matter (particulate matter with an aerodynamic diameter of 2.5 microns or less)
PM ₁₀	respirable particulate matter (particulate matter with an aerodynamic diameter of 10 microns or less)
ppm	parts per million
PVC	polyvinyl chloride
RAQS	Regional Air Quality Strategy
RASS	Residential Appliance Saturation Survey
ROG	reactive organic gas
SANDAG	San Diego Association of Governments
SCAQMD	South Coast Air Quality Management District
SDAB	San Diego Air Basin
SDAPCD	San Diego County Air Pollution Control District
SDG&E	San Diego Gas & Electric
SIP	State Implementation Plan
SO _x	oxides of sulfur
SO ₂	sulfur dioxide
T-BACT	Toxics Best Available Control Technology
TAC	Toxic Air Contaminant
USEPA	U.S. Environmental Protection Agency
VOC	volatile organic compound
WRCC	Western Regional Climate Center

EXECUTIVE SUMMARY

The Balboa Avenue Station Area Specific Plan (BASASP) is within the Pacific Beach and Clairemont Mesa communities of the City of San Diego (City). The BASASP is intended to provide a policy framework to guide public and private transit-oriented development, and multi-modal improvements adjacent to the Balboa Avenue Station consistent with the City General Plan “City of Villages” planning strategy. This report presents an assessment of potential construction and operational air quality impacts associated with the BASASP.

As discussed in Section 5.1, the proposed Project would involve changes in land use designations from the adopted community plan that would change the buildout condition of the BASASP project areas. Therefore, the land uses proposed under the BASASP would not be consistent with the adopted General Plan upon which the Regional Air Quality Strategy (RAQS) and State Implementation Plan (SIP) were based. Furthermore, as discussed in the traffic impact analysis prepared for the BASASP, the proposed community plan land use designations would be expected to generate more average daily trips (ADT) than the uses currently allowed under the adopted community plan (55,625 ADT compared to 31,032 ADT) (Kimley-Horn 2017). Thus, neither the proposed land uses under the BASASP nor the vehicle trips from the BASASP were included in the emissions assumptions contained within the RAQS. The proposed BASASP is, therefore, inconsistent with the RAQS and would potentially impede the goals contained within the RAQS.

The proposed project would result in emissions of air pollutants during both the construction phase and operational phase of future development associated with the BASASP. Implementation of Mitigation Measures AQ-2, requiring the analysis of potential construction period impacts from proposed development projects, and AQ-3, requiring the implementation of best available control measures for construction activities that exceed thresholds, would reduce construction emissions associated with new development within the BASASP. Operational emissions would be associated with vehicle trips generated by the BASASP development, along with area sources such as energy use and landscaping. Based on the evaluation of air emissions, the emissions would exceed the screening-level thresholds for volatile organic compounds (VOCs), carbon monoxide (CO), respirable particulate matter with an aerodynamic diameter of 10 microns or less (PM_{10}), and fine particulate matter with an aerodynamic diameter of 2.5 microns or less ($PM_{2.5}$) and would result in a significant impact for air quality. A wide range of current regulatory codes, project design features, and other measures would be incorporated into future development including energy-efficiency features that would meet 2016 California Title 24 Energy Efficiency Standards. Implementation of Mitigation Measure AQ-4, requiring the analysis and mitigation of individual future development projects, would reduce operational emissions. While implementation of Mitigation Measures AQ-2 through AQ-4 would reduce construction and operations emissions, the ability of future development to successfully implement the actions required to fully meet these mitigation measures at the project level cannot be guaranteed at this time. Thus, air pollutant impacts from construction and operation under the proposed BASASP are considered significant and unavoidable at the program-level.

If air emissions from a specific facility include toxic substances or would exceed identified limits, the facility would be required by the San Diego Air Pollution Control District (SDAPCD) to provide information regarding emission inventories and health risk assessments. If adverse health impacts exceeding public notification levels are identified, the facility would provide public notice, and if the facility poses a potentially significant public health risk, the facility would be required to submit a risk

reduction audit and plan to demonstrate how the facility would reduce health risks. Thus, with this regulatory framework, at the program level, impacts associated with stationary sources in the BASASP area would be less than significant.

Future traffic generated by the BASASP would not result in the degradation of roadway intersections such that emissions of CO would exceed state or federal standards that would result in a CO hotspot. Thus, CO hotspot impacts from construction and operation under the proposed BASASP are considered less than significant.

Individual development projects could be located within the siting distances recommended by the California Air Resources Board (CARB). However, CARB notes that these recommendations are advisory and should not be interpreted as defined “buffer zones,” and that local agencies must balance other considerations such as transportation needs, the benefits of infill, community economic development priorities, and other quality-of-life issues. With careful evaluation of exposure, health risks, and affirmative steps to reduce risk, where necessary, CARB’s position is that infill development, mixed use, higher density, transit-oriented development, and other concepts that benefit regional air quality can be compatible with protecting the health of individuals at the neighborhood level. Therefore, implementation of the project is consistent with the goals of the CARB handbook and would not expose sensitive receptors to substantial pollutant concentrations.

An evaluation of potential odors from construction activities and land use operation indicated that the BASASP would not expose substantial numbers of people to objectionable odors.

1.0 INTRODUCTION

1.1 PURPOSE OF THE REPORT

This report analyzes potential air quality impacts associated with the Balboa Avenue Station Area Specific Plan (BASASP). The report analyzes the potential impacts of future development within the BASASP area, and, as appropriate, identifies measures which can be taken to avoid adverse impacts related to air quality. The analysis follows the guidelines within the City of San Diego's (City) *California Environmental Quality Act (CEQA) Significance Determination Thresholds* (City 2016).

1.2 PROJECT LOCATION

The BASASP area is approximately 0.70 square miles (210 acres) and is located in the Pacific Beach and Clairemont Mesa communities of the City, just north of Mission Bay Park (see Figure 1, *Regional Location Map* and Figure 2, *Project Vicinity*). Rose Creek borders the western edge of the BASASP area and provides an open space connection within the area. Interstate-5 (I-5) runs north-south through the middle of the BASASP area and is the boundary between the Pacific Beach community on the west and the Clairemont Mesa community on the east. Mission Bay Park is situated immediately south of the BASASP area.

1.3 PROJECT DESCRIPTION

The BASASP involves the preparation of a Specific Plan that would amend the Pacific Beach Community Plan/Local Coastal Plan to re-designate and rezone lands within the BASASP area. The BASASP would also provide recommendations and guidelines for the public right-of-way that would emphasize access to the Balboa Avenue Station and capitalize on the new regional transit connection in the BASASP area.

The BASASP provides a policy framework to guide public and private transit-oriented development and multi-modal improvements adjacent to the Balboa Avenue Station consistent with the City General Plan "City of Villages" planning strategy. The Balboa Avenue Station will be a part of the San Diego Metropolitan Transit System's (MTS) light rail transit (LRT) Trolley system. MTS is currently constructing the Mid-Coast Corridor project, an expansion of the Trolley's existing Blue Line from downtown San Diego to the University City community, which traverses the BASASP area. Service is anticipated to begin in 2021.

The BASASP is divided into Land Use, Mobility, Urban Design, Recreation, Infrastructure and Public Utilities, Conservation, and Implementation chapters.

The **Land Use Chapter** is designed to guide future development within the community. It establishes land use designations for each portion of the community (see Figure 3, *Land Use Plan*). The BASASP proposes residential, community village, light industrial, institutional, and flood control/open space uses. Residential uses would be allowed within community village and residential land use designations. Up to 4,729 multi-family residential units would be allowed under the BASASP.

The **Mobility Chapter** is intended to improve mobility throughout the community through: the promotion of a complete streets network that capitalizes on access to transit, provide a walkable and

pedestrian-friendly environment, and identifies traffic calming, bicycle facilities, and parking improvements.

The **Urban Design Chapter** establishes policies to enhance public plazas and roadways to create a pedestrian-oriented development pattern through building designs and streetscapes. The plan would aim to maintain and enhance the overall and individual character of the community.

The **Recreation Chapter** is intended to assure that the recreational needs of the community are met with a particular focus on enhancing and creating connections to Mission Bay Park and Rose Creek.

The **Infrastructure and Public Utilities Chapter** describes existing facilities and services, including: water, wastewater, storm water, solid waste, communications/energy services, schools, police and fire/emergency services and libraries.

The **Conservation Chapter** contains policies addressing sustainable development, urban runoff management, and air quality. The concepts of conservation and sustainability address the relationship of the built environment to the natural environment with the objective of achieving environmental benefits through energy and resource conservation.

The **Implementation Chapter** includes discussion of the administration, review process, and amendment process of the BASASP.

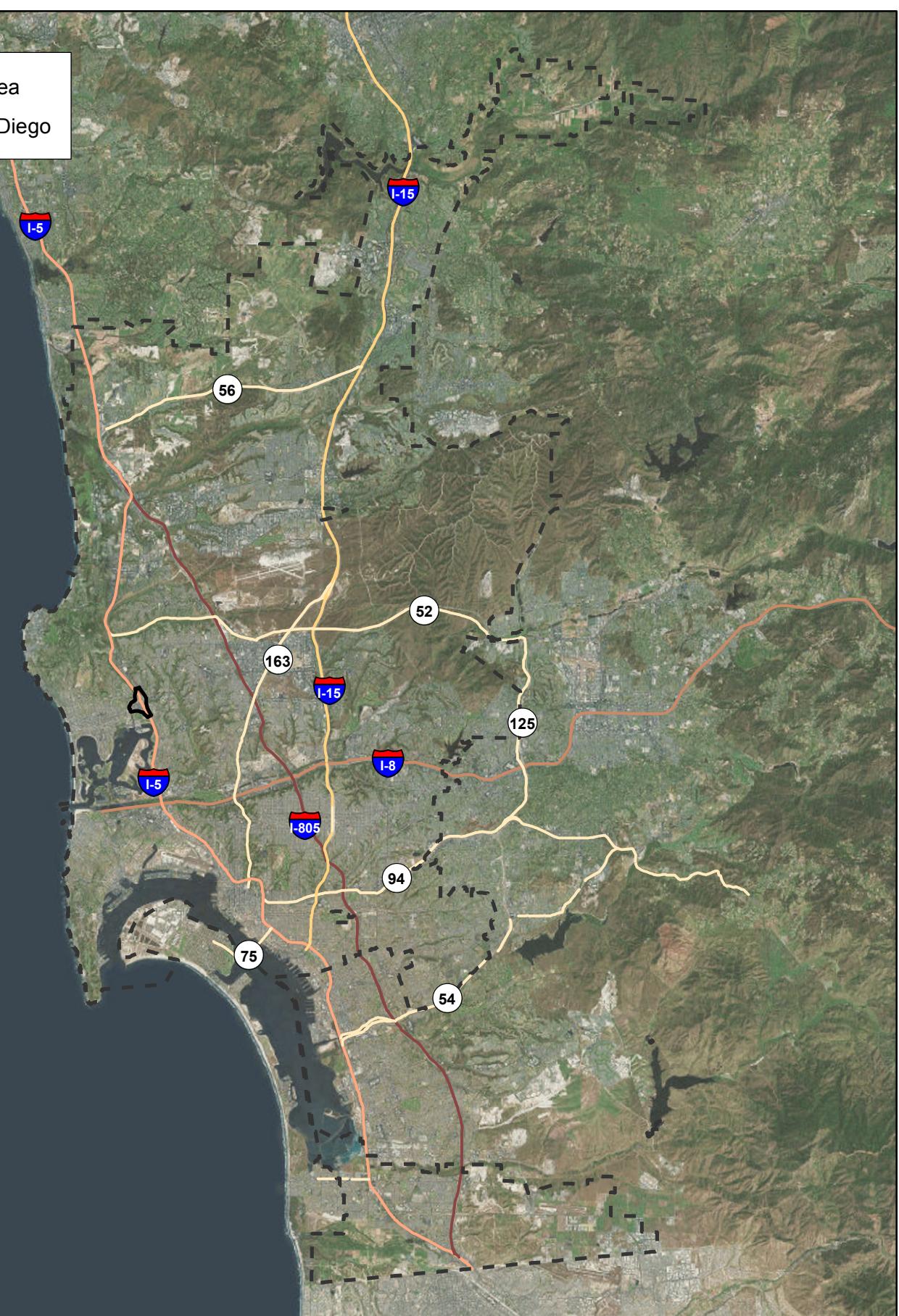
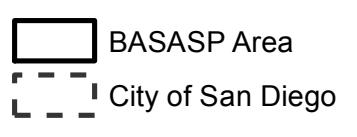
1.4 REGULATORY REQUIREMENTS AND BEST MANAGEMENT PRACTICES

1.4.1 Regulatory Requirements

1.4.1.1 Construction Measures

Future development pursuant to the proposed BASASP would incorporate best management practices (BMPs) during construction to reduce emissions of fugitive dust. San Diego Air Pollution Control District (SDAPCD) Rule 55 – Fugitive Dust Control states that no dust and/or dirt shall leave the property line. SDAPCD Rule 55 requires the following:

- (1) Airborne Dust Beyond the Property Line: No person shall engage in construction or demolition activity subject to this rule in a manner that discharges visible dust emissions into the atmosphere beyond the property line for a period or periods aggregating more than 3 minutes in any 60-minute period.
- (2) Track-Out/Carry-Out: Visible roadway dust as a result of active operations, spillage from transport trucks, erosion, or track-out/carry-out shall:
 - (i) be minimized by the use of any of the following or equally effective trackout/ carry out and erosion control measures that apply to future development or operation:
 - (a) track-out grates or gravel beds at each egress point,
 - (b) wheel-washing at each egress during muddy conditions, soil binders, chemical soil stabilizers, geotextiles, mulching, or seeding; and for outbound transport trucks:



Balboa Avenue Station Area Specific Plan

0 5 10 Miles



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Figure 1

Regional Location Map

BASASP Area



Balboa Avenue Station Area Specific Plan

0 0.25 0.5 Miles



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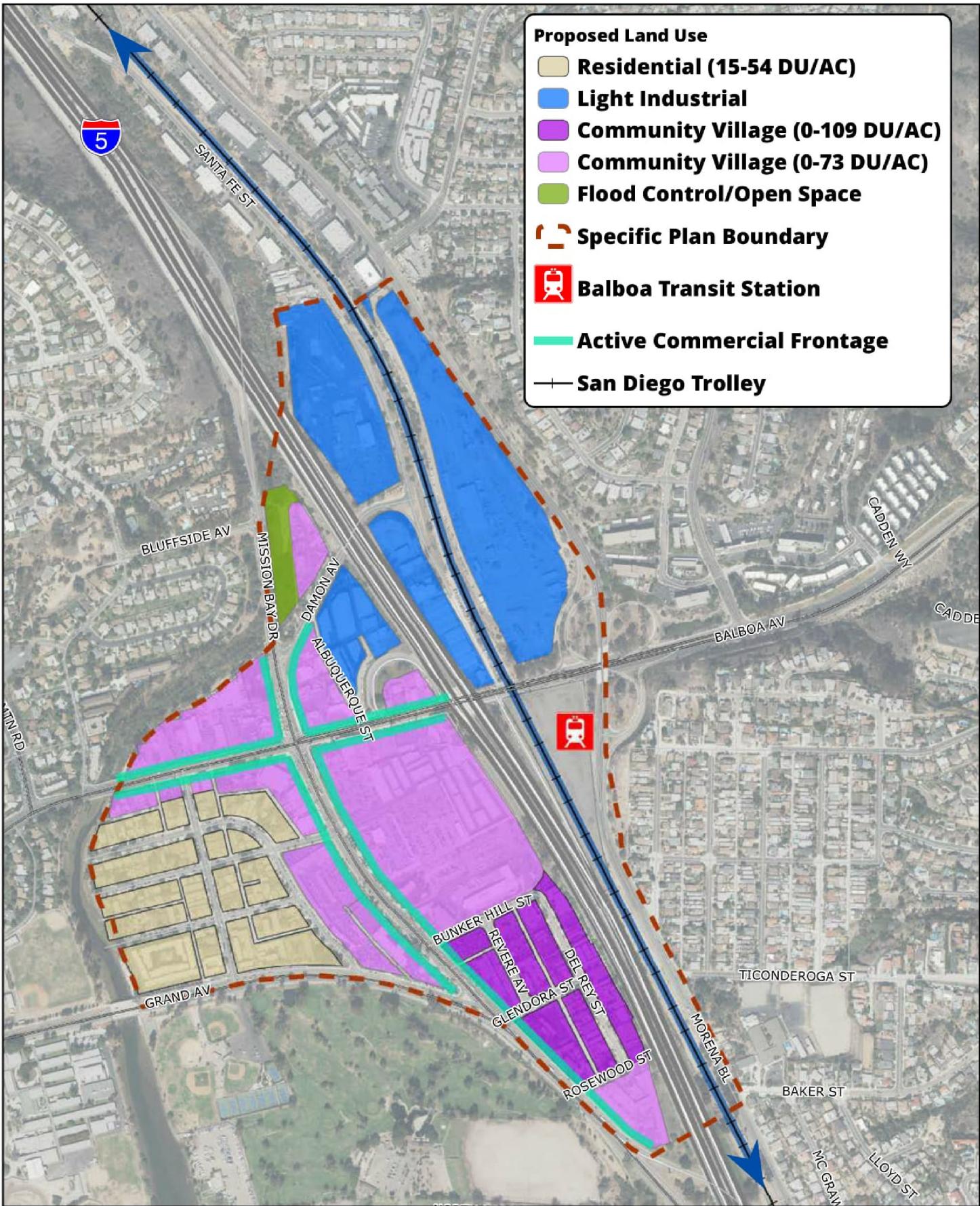


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Figure 2

Project Vicinity
(Aerial Photograph)



Balboa Avenue Station Area Specific Plan

0 1,000 2,000 Feet



Kimley-Horn



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Figure 3

Proposed Land Use Plan

- (c) using secured tarps or cargo covering, watering, or treating of transported material; and
- (ii) be removed at the conclusion of each work day when active operations cease, or every 24 hours for continuous operations. If a street sweeper is used to remove any track-out/carry-out, only PM10-efficient street sweepers certified to meet the most current South Coast Air Quality Management District (SCAQMD) Rule 1186 requirements shall be used. The use of blowers for removal of track-out/ carry out is prohibited under any circumstances.

1.4.1.2 Area Source Reductions

- Use of low-VOC coatings in accordance with, or exceeding, SDAPCD Rule 67
 - Residential interior coatings are to be less than or equal to 50 grams of volatile organic compound (VOC) per liter (g/L)
 - Residential exterior coatings are to be less than or equal to 100 g/L
 - Non-residential interior/exterior coatings are to be less than or equal to 100 g/L

1.4.1.3 Energy Efficiencies

- Future development will be designed to meet 2016 Title 24 energy efficiency standards

1.4.2 Construction Best Management Practices

The control measures listed below are the BMPs that future development would incorporate for dust control:

- Contractor(s) will implement paving, chip sealing or chemical stabilization of internal roadways after completion of grading.
- Dirt storage piles will be stabilized by chemical binders, tarps, fencing or other erosion control.
- A 15-mile per hour (mph) speed limit will be enforced on unpaved surfaces.
- On dry days, dirt and debris spilled onto paved surfaces shall be swept up immediately to reduce resuspension of particulate matter caused by vehicle movement. Approach routes to construction sites shall be cleaned daily of construction-related dirt in dry weather.
- Haul trucks hauling dirt, sand, soil, or other loose materials will be covered or two feet of freeboard will be maintained.
- Disturbed areas shall be hydroseeded, landscaped, or developed as quickly as possible and as directed by the County of San Diego (County) and/or SDAPCD to reduce dust generation.
- Grading will be terminated if winds exceed 25 mph.
- Any blasting areas would be wetted down prior to initiating the blast.

- In accordance with California Green Building Standards Code (CALGreen) criteria, state, and local laws, at least 50 percent of on-site construction waste and ongoing operational waste would be diverted from landfills through reuse and recycling.

2.0 REGULATORY FRAMEWORK

2.1 CRITERIA AIR POLLUTANTS

Criteria pollutants are defined by state and federal law as a risk to the health and welfare of the general public. In general, air pollutants include the following compounds:

- Ozone (O_3)
- Reactive organic gases (ROGs) or volatile organic compounds (VOCs)
- Carbon monoxide (CO)
- Nitrogen dioxide (NO_2)
- Respirable particulate matter and fine particulate matter (PM_{10} and $PM_{2.5}$)
- Sulfur dioxide (SO_2)
- Lead (Pb)

The following specific descriptions of health effects for each of the air pollutants potentially associated with project construction and operation are based on information provided by the California Air Resources Board (CARB; 2009) and the U.S. Environmental Protection Agency (USEPA; 2017a).

Ozone. Ozone is considered a photochemical oxidant, which is a chemical that is formed when VOCs and nitrogen oxides (NO_x), both by-products of fuel combustion, react in the presence of ultraviolet light. Ozone is considered a respiratory irritant and prolonged exposure can reduce lung function, aggravate asthma, and increase susceptibility to respiratory infections. Children and those with existing respiratory diseases are at greatest risk from ozone exposure.

Reactive Organic Gases. ROGs (also known as VOCs) are compounds composed primarily of hydrogen and carbon atoms. Internal combustion associated with motor vehicle usage is the major source of ROGs. Other sources of ROGs include evaporative emissions from paints and solvents, the application of asphalt paving, and the use of household consumer products such as aerosols. Adverse effects on human health are not caused directly by ROGs, but rather by reactions of ROGs to form secondary pollutants such as ozone.

Carbon Monoxide. CO is a by-product of fuel combustion. CO is an odorless, colorless gas. CO affects red blood cells in the body by binding to hemoglobin and reducing the amount of oxygen that can be carried to the body's organs and tissues. CO can cause health effects to those with cardiovascular disease and can also affect mental alertness and vision.

Nitrogen Dioxide. NO_2 is also a by-product of fuel combustion and is formed both directly as a product of combustion and in the atmosphere through the reaction of nitrogen oxide (NO) with oxygen. NO_2 is a

respiratory irritant and may affect those with existing respiratory illness, including asthma. NO₂ can also increase the risk of respiratory illness.

Respirable Particulate Matter and Fine Particulate Matter. Respirable particulate matter, or PM₁₀, refers to particulate matter with an aerodynamic diameter of 10 microns or less. Fine particulate matter, or PM_{2.5}, refers to particulate matter with an aerodynamic diameter of 2.5 microns or less. Particulate matter in these size ranges have been determined to have the potential to lodge in the lungs and contribute to respiratory problems. PM₁₀ and PM_{2.5} arise from a variety of sources, including road dust, diesel exhaust, fuel combustion, tire and brake wear, construction operations, and windblown dust. PM₁₀ and PM_{2.5} can increase susceptibility to respiratory infections and can aggravate existing respiratory diseases such as asthma and chronic bronchitis. PM_{2.5} is considered to have the potential to lodge deeper in the lungs. Diesel particulate matter is classified a carcinogen by CARB.

Sulfur dioxide. SO₂ is a colorless, reactive gas that is produced from the burning of sulfur-containing fuels such as coal and oil and by other industrial processes. Generally, the highest concentrations of SO₂ are found near large industrial sources. SO₂ is a respiratory irritant that can cause narrowing of the airways leading to wheezing and shortness of breath. Long-term exposure to SO₂ can cause respiratory illness and aggravate existing cardiovascular disease.

Lead. Lead in the atmosphere occurs as particulate matter. With the phase-out of leaded gasoline, large manufacturing facilities have become the primary sources of the largest amounts of lead emissions. Lead has the potential to cause gastrointestinal, central nervous system, kidney, and blood diseases upon prolonged exposure. Lead is also classified as a probable human carcinogen. Because emissions of lead are found only in projects that are permitted by the local air district, lead is not an air quality of concern for the proposed project.

Air quality is defined by ambient air concentrations of specific pollutants identified by the USEPA to be of concern with respect to the health and welfare of the general public. The USEPA is responsible for enforcing the Federal Clean Air Act (CAA) of 1970 and its 1977 and 1990 Amendments. The CAA required the USEPA to establish National Ambient Air Quality Standards (NAAQS), which identify concentrations of pollutants in the ambient air below which no adverse effects on the public health and welfare are anticipated. In response, the USEPA established both primary and secondary standards for several criteria pollutants, which are introduced above. Table 1, *California and National Ambient Air Quality Standards*, shows the federal and state ambient air quality standards for these pollutants.

The CAA allows states to adopt ambient air quality standards and other regulations provided they are at least as stringent as federal standards. The CARB has established the more stringent California Ambient Air Quality Standards (CAAQS) for the six criteria pollutants through the California Clean Air Act of 1988 (CCAA), and also has established CAAQS for additional pollutants, including sulfates, H₂S, vinyl chloride and visibility-reducing particles. Areas that do not meet the NAAQS or the CAAQS for a particular pollutant are considered to be "nonattainment areas" for that pollutant. On June 3, 2016, the San Diego Air Basin (SDAB) was classified as a moderate nonattainment area for the 8-hour NAAQS for ozone. Effective June 3, 2016, the USEPA determined that 11 areas, including the SDAB, failed to attain the 2008 Ozone NAAQS by the applicable attainment date of July 20, 2015 and, thus, are reclassified as "Moderate" for the 2008 Ozone NAAQS (CARB 2017a). The SDAB is an attainment area for the NAAQS for all other criteria pollutants including PM₁₀ and PM_{2.5}. The SDAB is currently classified as a nonattainment area under the CAAQS for ozone, PM₁₀, and PM_{2.5} (SDAPCD 2017).

Table 1
AMBIENT AIR QUALITY STANDARDS

Pollutant	Averaging Time	California Standards	Federal Standards		
			Primary¹	Secondary²	
O_3	1 Hour	0.09 ppm (180 $\mu\text{g}/\text{m}^3$)	—	—	
	8 Hour	0.070 ppm (137 $\mu\text{g}/\text{m}^3$)	0.070 ppm (137 $\mu\text{g}/\text{m}^3$)	Same as Primary	
PM_{10}	24 Hour	50 $\mu\text{g}/\text{m}^3$	150 $\mu\text{g}/\text{m}^3$	Same as Primary	
	AAM	20 $\mu\text{g}/\text{m}^3$	—	Same as Primary	
$PM_{2.5}$	24 Hour	—	35 $\mu\text{g}/\text{m}^3$	Same as Primary	
	AAM	12 $\mu\text{g}/\text{m}^3$	12.0 $\mu\text{g}/\text{m}^3$	15.0 $\mu\text{g}/\text{m}^3$	
CO	1 Hour	20 ppm (23 mg/ m^3)	35 ppm (40 mg/ m^3)	—	
	8 Hour	9.0 ppm (10 mg/ m^3)	9 ppm (10 mg/ m^3)	—	
	8 Hour (Lake Tahoe)	6 ppm (7 mg/ m^3)	—	—	
NO_2	1 Hour	0.18 ppm (339 $\mu\text{g}/\text{m}^3$)	100 ppb (188 $\mu\text{g}/\text{m}^3$)	—	
	AAM	0.030 ppm (57 $\mu\text{g}/\text{m}^3$)	0.053 ppm (100 $\mu\text{g}/\text{m}^3$)	Same as Primary	
SO_2	1 Hour	0.25 ppm (655 $\mu\text{g}/\text{m}^3$)	75 ppb (196 $\mu\text{g}/\text{m}^3$)	—	
	3 Hour	—	—	0.5 ppm (1,300 $\mu\text{g}/\text{m}^3$)	
	24 Hour	0.04 ppm (105 $\mu\text{g}/\text{m}^3$)	—	—	
Lead	30-day Avg.	1.5 $\mu\text{g}/\text{m}^3$	—	—	
	Calendar Quarter	—	1.5 $\mu\text{g}/\text{m}^3$	Same as Primary	
	Rolling 3-month Avg.	—	0.15 $\mu\text{g}/\text{m}^3$		
Visibility Reducing Particles	8 Hour	Extinction coefficient of 0.23 per km – visibility \geq 10 miles (0.07 per km – \geq 30 miles for Lake Tahoe)	No Federal Standards		
Sulfates	24 Hour	25 $\mu\text{g}/\text{m}^3$	No Federal Standards		
Hydrogen Sulfide	1 Hour	0.03 ppm (42 $\mu\text{g}/\text{m}^3$)	No Federal Standards		
Vinyl Chloride	24 Hour	0.01 ppm (26 $\mu\text{g}/\text{m}^3$)	No Federal Standards		

Source: CARB 2016

¹ National Primary Standards: The levels of air quality necessary, within an adequate margin of safety, to protect the public health.

² National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.

O_3 : ozone; ppm: parts per million; $\mu\text{g}/\text{m}^3$: micrograms per cubic meter; PM_{10} : large particulate matter;

AAM: Annual Arithmetic Mean; $PM_{2.5}$: fine particulate matter; CO: carbon monoxide;

mg/ m^3 : milligrams per cubic meter; NO_2 : nitrogen dioxide; SO_2 : sulfur dioxide; km: kilometer; —: No Standard.

The CARB is the state regulatory agency with the authority to enforce regulations to both achieve and maintain the NAAQS and CAAQS. The SDAPCD is responsible for developing and implementing the rules and regulations designed to attain the NAAQS and CAAQS, as well as the permitting of new or modified sources, developing of air quality management plans, and adopting and enforcing air pollution regulations for the County.

The SDAPCD and San Diego Association of Governments (SANDAG) are responsible for developing and implementing the clean air plan for the attainment and maintenance of the ambient air quality standards in the SDAB. The SDAPCD prepared the San Diego County Regional Air Quality Strategy (RAQS), which was initially adopted in 1991, and is updated on a triennial basis. The most recent version of the RAQS was adopted by the SDAPCD in December 2016 (SDAPCD 2016). As part of, and attached to, the RAQS are the Transportation Control Measures for the air quality plan prepared by SANDAG. Together, the RAQS and Transportation Control Measures provide the framework for achieving attainment of the CAAQS. The local RAQS, in combination with the plans from all other California nonattainment areas with serious (or worse) air quality problems, is submitted to the CARB, which develops the California State Implementation Plan (SIP). The CARB then submits the SIP to the USEPA for approval and publication in the *Federal Register*.

The RAQS relies on information from CARB and SANDAG, including mobile and area source emissions, as well as information regarding projected growth in the County, to project future emissions and then determine from that the strategies necessary for the reduction of emissions through regulatory controls. The CARB mobile source emission projections and SANDAG growth projections are based on population and vehicle trends and land use plans developed by the cities and by the County as part of the development of the County's General Plan. While SANDAG collaborates with the SDAPCD on the development of the portion of the SIP applicable to the SDAB, the SDAPCD is the lead agency. As such, the SDAPCD is responsible for projecting all future mobile source emissions using EMFAC2014.

The SIP relies on the same information from SANDAG to develop emission inventories and emission reduction strategies that are included in the attainment demonstration for the air basin. The current federal and state attainment status (Table 2, *Federal and State Air Quality Designation*) for the County is as follows:

Table 2
FEDERAL AND STATE AIR QUALITY DESIGNATIONS

Criteria Pollutant	Federal Designation	State Designation
O ₃ (1-hour)	(No federal standard)	Nonattainment
O ₃ (8-hour)	Nonattainment	Nonattainment
CO	Attainment	Attainment
PM ₁₀	Unclassifiable ¹	Nonattainment
PM _{2.5}	Attainment	Nonattainment
NO ₂	Attainment	Attainment
SO ₂	Attainment	Attainment
Lead	Attainment	Attainment
Sulfates	(No federal standard)	Attainment
Hydrogen Sulfide	(No federal standard)	Unclassified
Visibility	(No federal standard)	Unclassified

Source: SDAPCD 2017

¹At the time of designation, if the available data does not support a designation of attainment or nonattainment, the area is designated as unclassifiable.

2.2 TOXIC AIR CONTAMINANTS

Toxic air contaminants (TACs) are a diverse group of air pollutants that may cause or contribute to an increase in deaths or in serious illness or that may pose a present or potential hazard to human health. TACs include both organic and inorganic chemical substances that may be emitted from a variety of common sources, including gasoline stations, motor vehicles, dry cleaners, industrial operations, painting operations, and research and teaching facilities. TACs are different than the criteria pollutants previously discussed because ambient air quality standards have not been established for TACs. TACs occurring at extremely low levels may still cause health effects, and it is typically difficult to identify levels of exposure that do not produce adverse health effects. TAC impacts are described by carcinogenic risk and by chronic (i.e., of long duration) and acute (i.e., severe but of short duration) adverse effects on human health.

The Health and Safety Code (§39655, subd. (a)) defines a toxic air contaminant (TAC) as “an air pollutant which may cause or contribute to an increase in mortality or in serious illness, or which may pose a present or potential hazard to human health.” A substance that is listed as a hazardous air pollutant pursuant to subsection (b) of Section 112 of the Federal Clean Air Act (CAA) (42 United States Code Sec. 7412[b]) is a TAC. Under State law, the California Environmental Protection Agency (CalEPA), acting through CARB, is authorized to identify a substance as a TAC if it determines the substance is an air pollutant that may cause or contribute to an increase in mortality or an increase in serious illness, or that may pose a present or potential hazard to human health.

3.0 EXISTING CONDITIONS

3.1 CLIMATE AND METEOROLOGY

The climate in southern California, including the San Diego Air Basin (SDAB) in which the Project site is located, is controlled largely by the strength and position of the subtropical high-pressure cell over the Pacific Ocean. Areas within 30 miles of the coast experience moderate temperatures and comfortable humidity. Precipitation is limited to a few storms during the winter season. The climate of the County is characterized by hot, dry summers, and mild, wet winters.

The predominant wind direction in the vicinity of Project site is from the west and the average wind speed is approximately five mph (Iowa Environmental Mesonet [IEM] 2017). The annual average maximum temperature in the Project area is approximately 67 degrees Fahrenheit ($^{\circ}$ F), and the average annual minimum temperature is approximately 56 $^{\circ}$ F. Total precipitation in the Project area averages approximately 10 inches annually. Precipitation occurs mostly during the winter and is relatively infrequently during the summer (Western Regional Climate Center [WRCC] 2017).

Due to its climate, the SDAB experiences frequent temperature inversions (temperature increases as altitude increases, which is the opposite of general patterns). Temperature inversions prevent air close to the ground from mixing with the air above it. As a result, air pollutants are trapped near the ground. During the summer, air quality problems are created due to the interaction between the ocean surface and the lower layer of the atmosphere, creating a moist marine layer. An upper layer of warm air mass forms over the cool marine layer, preventing air pollutants from dispersing upward. Additionally, hydrocarbons and NO₂ react under strong sunlight, creating smog. Light, daytime winds, predominantly

from the west, further aggravate the condition by driving the air pollutants inland, toward the foothills. During the fall and winter, air quality problems are created due to CO and NO₂ emissions. High NO₂ levels usually occur during autumn or winter, on days with summer-like conditions.

3.2 EXISTING AIR QUALITY

3.2.1 Attainment Designations

Attainment designations are discussed in Section 2.1 and Table 2. The SDAB is a federal and state nonattainment area for ozone. The SDAB is also a state nonattainment area for PM₁₀ and PM_{2.5}.

3.2.2 Monitored Air Quality

The SDAPCD operates a network of ambient air monitoring stations throughout the County. The purpose of the monitoring stations is to measure ambient concentrations of the pollutants and determine whether the ambient air quality meets the CAAQS and the NAAQS. The nearest ambient monitoring station to the Project site is the San Diego – Kearny Villa Road monitoring station located at 6125 Kearny Villa Road. Air quality data are shown on Table 3, *Air Quality Monitoring Data*.

Monitoring data at the San Diego – Kearny Villa Road station showed acceptable levels of the criteria air pollutants NO₂, PM₁₀, and PM_{2.5} for 2014 to 2016. Violations of the state and federal 8-hour standards for ozone occurred in 2014 and 2016. The state 1-hour ozone standard was exceeded once in 2014.

Table 3
AIR QUALITY MONITORING DATA

Pollutant Standards	2014	2015	2016
Ozone (O₃)			
Maximum concentration 1-hour period (ppm)	0.099	0.077	0.087
Maximum concentration 8-hour period (ppm)	0.081	0.070	0.075
Days above 1-hour state standard (>0.09 ppm)	1	0	0
Days above 8-hour state/federal standard (>0.070 ppm)	4	0	3
Nitrogen Dioxide (NO₂)			
Maximum 1-hour concentration (ppm)	0.051	0.051	0.053
Days above state 1-hour standard (0.18 ppm)	0	0	0
Days above federal 1-hour standard (0.100 ppm)	0	0	0
Suspended Particulates (PM₁₀)			
Maximum 24-hour concentration (µg/m ³)	39.0	39.0	36.0
Days above state standard (>50 µg/m ³)	0	0	0
Days above federal standard (>150 µg/m ³)	0	0	0
Suspended Particulates (PM_{2.5})			
Maximum 24-hour concentration (µg/m ³)	20.2	25.7	20.3
Days above federal standard (>35 µg/m ³)	0	0	0

Source: CARB 2017b

ppm = parts per million

4.0 METHODOLOGY AND SIGNIFICANCE CRITERIA

4.1 METHODOLOGY

Air emissions were calculated using the California Emissions Estimator Model (CalEEMod), Version 2016.3.2. CalEEMod is a computer model used to estimate air emissions resulting from land development projects throughout the state of California. CalEEMod was developed by the SCAQMD with the input of several air quality management and pollution control districts.

In brief, CalEEMod is a computer model that estimates criteria air pollutant and greenhouse gas emissions from mobile (i.e., vehicular) sources, area sources (fireplaces, woodstoves, and landscape maintenance equipment), energy use (electricity and natural gas used in space heating, ventilation, and cooling; lighting; and plug-in appliances), water use and wastewater generation, and solid waste disposal. Emissions are estimated based on land use information input to the model by the user.

In the first module, the user defines the specific land uses that will occur at the project site. The user also selects the appropriate land use setting (urban, suburban, or rural), operational year, location, climate zone, and utility provider. The input land uses, size features, and population are used throughout CalEEMod in determining default variables and calculations in each of the subsequent modules. The input land use information consists of land use subtypes (such as the residential subtypes of single-family residential and multi-family medium-rise residential) and their unit or square footage quantities.

Subsequent modules include construction (including off-road vehicle emissions), mobile (on-road vehicle emissions), area sources (woodstoves, fireplaces, consumer products [cleansers, aerosols, solvents], landscape maintenance equipment, architectural coatings), water and wastewater, and solid waste. Each module comprises multiple components including an associated mitigation module to account for further reductions in the reported baseline calculations. Other inputs include trip generation rates, trip lengths, vehicle fleet mix (percentage autos, medium truck, etc.), trip distribution (i.e., percent work to home, etc.), duration of construction phases, construction equipment usage, grading areas, season, and ambient temperature, as well as other parameters.

In various places the user can input additional information and/or override the default assumptions to account for project- or location-specific parameters. For this assessment the default parameters were not changed unless otherwise noted. The input data and reported criteria pollutant emission estimates based on these inputs are discussed below. The CalEEMod output files are included in Appendix A.

4.2 GUIDELINES FOR THE DETERMINATION OF SIGNIFICANCE

The City (2016) has approved guidelines for determining significance based on Appendix G.III of the State California Environmental Quality Act (CEQA) Guidelines, which provide guidance that a project would have a significant environmental impact if it would:

1. Conflict with or obstruct the implementation of the San Diego RAQS or applicable portions of the SIP;

2. Result in emissions that would violate any air quality standard or contribute substantially to an existing or projected air quality violation;
3. Result in a cumulatively considerable net increase for which the SDAB is in non-attainment under the NAAQS or CAAQS;
4. Expose sensitive receptors (including, but not limited to, residences, schools, hospitals, resident care facilities, or day-care centers) to substantial pollutant concentrations;
5. Create objectionable odors affecting a substantial number of people.

To determine whether a project would (a) result in emissions that would violate any air quality standard or contribute substantially to an existing or projected air quality violation, or (b) result in a cumulatively considerable net increase of PM₁₀ or PM_{2.5} or exceed quantitative thresholds for ozone precursors, oxides of nitrogen and VOCs, project emissions may be evaluated based on the quantitative emission thresholds established by the SDAPCD. As part of its air quality permitting process, the SDAPCD has established thresholds in Rule 20.2 for the preparation of Air Quality Impact Assessments (AQIAs). The SCAQMD's screening threshold of 55 pounds per day or 10 tons per year is being applied to this analysis as a significance threshold for PM_{2.5}.

For CEQA purposes, these screening criteria can be used as numeric methods to demonstrate that a project's total emissions would not result in a significant impact to air quality. The screening thresholds are included in Table 4, *Screening-level Thresholds for Air Quality Impact Analysis*.

Table 4
SCREENING-LEVEL THRESHOLDS FOR AIR QUALITY IMPACT ANALYSIS

Pollutant	Total Emissions		
Construction Emissions (Pounds/Day)			
Respirable Particulate Matter (PM ₁₀)	100		
Fine Particulate Matter (PM _{2.5})	55		
Oxides of Nitrogen (NO _x)	250		
Oxides of Sulfur (SO _x)	250		
Carbon Monoxide (CO)	550		
Volatile Organic Compounds (VOCs)	75		
Operational Emissions			
	Pounds/Hour	Pounds/Day	Tons/Year
Respirable Particulate Matter (PM ₁₀)	---	100	15
Fine Particulate Matter (PM _{2.5})	---	55	10
Oxides of Nitrogen (NO _x)	25	250	40
Oxides of Sulfur (SO _x)	25	250	40
Carbon Monoxide (CO)	100	550	100
Lead and Lead Compounds	---	3.2	0.6
Volatile Organic Compounds (VOCs)	---	75	13.7
Toxic Air Contaminant Emissions			
Excess Cancer Risk	1 in 1 million 10 in 1 million with T-BACT		
Non-Cancer Hazard	1.0		

Source: SDACPD Rule 20.2 and Rule 1210.

T-BACT = Toxics-Best Available Control Technology

5.0 PROJECT IMPACTS

This section evaluates potential direct impacts of the proposed Project related to the air pollutant emissions. The focus is on the effects of future development carried out in accordance with the BASASP.

5.1 CONFORMANCE TO THE REGIONAL AIR QUALITY STRATEGY

5.1.1 Impacts

The RAQS outlines SDAPCD's plans and control measures designed to attain the CAAQS for ozone. In addition, the SDAPCD relies on the SIP, which includes the SDAPCD's plans and control measures for attaining the ozone NAAQS. These plans accommodate emissions from all sources, including natural sources, through implementation of control measures, where feasible, on stationary sources to attain the standards. Mobile sources are regulated by the CalEPA and the CARB, and the emissions and reduction strategies related to mobile sources are considered in the RAQS and SIP.

The RAQS relies on information from CARB and SANDAG, including projected growth in the County, mobile, area and all other source emissions in order to project future emissions and determine from that the strategies necessary for the reduction of stationary source emissions through regulatory controls. The CARB mobile source emission projections and SANDAG growth projections are based on population and vehicle trends, and land use plans developed by the cities and by the County. As such, projects that propose development that is consistent with the growth anticipated by the general plans would be consistent with the RAQS. In the event that a project proposes development which is less dense than anticipated within the General Plan, the project would likewise be consistent with the RAQS. If a project proposes development that is greater than that anticipated in the County General Plan and SANDAG's growth projections upon which the RAQS is based, the project would be in conflict with the RAQS and SIP and might have a potentially significant impact on air quality. This situation would warrant further analysis to determine if the proposed project and the surrounding projects exceed the growth projections used in the RAQS for the specific subregional area.

The RAQS includes anticipated growth associated with the currently adopted Pacific Beach Community Plan. Amending the adopted Pacific Beach Community Plan to accommodate the development proposed in the BASASP might result in an inconsistency between the RAQS and the proposed amendment to the Pacific Beach Community Plan. Relative to the adopted Pacific Beach Community Plan, the proposed project would:

- increase the number of residential units by 287 percent;
- increase the amount of land designated for retail/commercial by 25 percent; and
- decrease the amount of land designated for industrial uses by 49 percent.

Due to these land use changes, the proposed project is not consistent with the RAQS. Additionally, as discussed in the traffic impact analysis prepared for the proposed project, the proposed land use designations would be expected to generate more average daily trips (ADT) than the uses currently allowed under the adopted Pacific Beach Community Plan (55,625 ADT compared to 31,032 ADT) (Kimley-Horn 2017). Thus, neither the proposed land uses nor the estimated vehicle trips from the BASASP were included in the emissions assumptions contained within the RAQS. The proposed project

is, therefore, inconsistent with the RAQS and would potentially impede the goals contained within the RAQS.

Another measurement tool in determining consistency with the RAQS is to determine how a project accommodates the expected increase in population or employment. Generally, if a project is planned in a way that results in the minimization of vehicle miles traveled (VMT) both within the project planning area and the community plan area in which it is located, and consequently the minimization of air pollutant emissions, that aspect of the project is consistent with the RAQS. The proposed BASASP would be consistent with the goals of the RAQS to develop compact, walkable communities close to transit connections and consistent with smart growth principles. The proposed BASASP supports the multi-modal strategy of SANDAG's Regional Plan (RP) through improvements to increase bicycle, pedestrian, and transit access to the Balboa Avenue Trolley Station. Policies contained within the proposed BASASP's land use and mobility chapters would serve to promote bus transit use as well as other forms of mobility, including walking and bicycling. Furthermore, the proposed project's access to transit also results in the BASASP area being located within a designated Transit Priority Area (TPA) consistent with Senate Bill (SB) 743. This type of development is consistent with the goals of the RAQS for reducing the emissions associated with new development.

5.1.2 Significance of Impacts

Because the BASASP is proposing an increase in density and ADT beyond what was included for the area in the RAQS, impacts associated with conformance to regional air quality plans would be potentially significant.

5.1.3 Mitigation Measures

Mitigation for inconsistencies with the RAQS would be as follows:

- AQ-1** The City shall provide a revised housing and employment forecast to SANDAG to ensure that any revisions to the population and employment projections used by the SDAPCD in updating the RAQS and SIP will accurately reflect anticipated growth due to the proposed BASASP.

5.1.4 Significance After Mitigation

The proposed project would not conform with the RAQS and SIP and would result in a significant and unavoidable impact. These significant impacts will be reduced to less than significant when the RAQS are updated. Mitigation Measure (MM) AQ-1 requires that the City provide a revised housing and employment forecast to SANDAG to ensure that any revisions to the population and employment projects are considered. The provision of housing information would assist SANDAG in revising the population forecasts; however, until the anticipated growth is included in the emission estimates of the RAQS and the SIP, the direct and cumulative impacts would remain significant and unavoidable.

5.2 CONFORMANCE TO FEDERAL AND STATE AMBIENT AIR QUALITY STANDARDS

5.2.1 Impacts

Future development pursuant to the BASASP would generate criteria pollutants in the short term during construction and the long term during operation. To determine whether a project would result in emissions that would violate any air quality standard or contribute substantially to an existing or projected air quality violation, a project's emissions are evaluated based on the quantitative emission thresholds established by the SDAPCD (as shown in Table 4).

5.2.1.1 Construction

Construction activities associated with new land uses proposed under the BASASP would result in emissions of fugitive dust from demolition and site grading activities, heavy construction equipment exhaust, and vehicle trips associated with workers commuting to and from the site and trucks hauling materials. The exact number and timing of individual development projects that would occur as a result of implementation of the BASASP are unknown at this time and therefore project-level emission estimates cannot be determined at the program level. Subsequent development projects would need to analyze specific construction-related criteria air pollutant impacts to ensure that emissions remain below SDAPCD thresholds. Because of the likely potential of individual projects to exceed SDAPCD screening thresholds, implementation of the BASASP would result in potentially significant impacts related to construction emissions.

5.2.1.2 Operation

Operational source emissions would originate from traffic generated within or as a result of future development pursuant to the proposed BASASP. Area source emissions would result from activities such as the use of fireplaces and consumer products. In addition, landscape maintenance activities associated with the proposed land uses would produce pollutant emissions.

BASASP Characteristic Assumptions

CaLEEMod prompts the user to enter a given project's location, setting, climate zone, utility provider, operational year, and the specific land uses that will occur. For this analysis, the location was selected as San Diego County with an urban (versus suburban or rural) setting, in climate zone 13, served by San Diego Gas & Electric (SDG&E). The operational year was set to 2035, consistent with the traffic study.

Land Use Assumptions

For comparative purposes, air emissions were calculated for land uses under buildout of the adopted Pacific Beach and Clairemont Mesa Community Plans (herein referred to as Community Plans) and the proposed BASASP land use plan for the year 2035 using CaLEEMod 2016.3.2. Based on data available in the Traffic Impact Analysis prepared for the Specific Plan, Table 5, *Adopted Community Plans and Proposed BASASP Buildout Land Uses*, lists the buildout land use quantities that were input to CaLEEMod to estimate future BASASP area emissions for both the adopted Community Plans and proposed BASASP (Kimley-Horn 2017).

Table 5
ADOPTED COMMUNITY PLANS AND PROPOSED BASASP BUILDOUT LAND USES

Land Use	Adopted Community Plans			Proposed Balboa Avenue Station Area Specific Plan		
	Existing to Remain	Proposed New Development	Plan Total	Existing to Remain	Proposed New Development	Plan Total
Arterial Commercial (square feet)	184,588	127,408	311,996	184,588	383,577	568,165
Automobile Dealership (square feet)	52,677	0	52,677	0	0	0
Automobile Repair Shop (square feet)	8,000	0	8,000	0	0	0
Health Club (square feet)	40,418	0	40,418	0	0	0
Hotel (Low-Rise) (Motel) (square feet)	78,410	0	78,410	0	0	0
Industrial Park (square feet)	109,100	0	109,100	0	0	0
Light Industry – General (square feet)	0	114,698	114,698	0	114,698	114,698
Multi-Family Residential (dwelling units)	666	468	1,134	672	4,055	4,727
Office (square feet)	72,147	0	72,147	0	0	0
Health Care (square feet)	43,192	0	43,192	43,192	0	43,192
Transportation (square feet)	400	0	400	400	0	400
Public Storage (square feet)	308,746	0	308,746	308,746	0	308,746
Service Station (square feet)	2,556	0	2,556	2,556	0	2,556
Single Family (dwelling units)	87	0	87	2	0	2

Source: Kimley-Horn 2017

Portions of existing developed lands within the plan area would remain, and likely not change. These include recently constructed multi-family residences, recently entitled projects, and existing major public and institutional uses. Because these existing developed land uses were built to older, less stringent code requirements than those applicable to future development or re-development, the existing developed land uses that will remain and not change, and the land uses that would be developed or re-developed as part of the buildup of the adopted Community Plans or proposed BASASP would have different energy consumptions associated with them. In order to reflect these energy consumption differences, emissions were estimated using two separate CalEEMod runs for the land uses in the adopted Community Plans and proposed BASASP. These runs are discussed in further detail below.

The quantities listed in Table 5 include the existing developed land uses that were assumed to remain and not be redeveloped, and the proposed new development. It was assumed that the energy-related emissions associated with the existing land uses that would not be redeveloped were related to older energy codes, while those associated with new development project would be the result of recent energy code revisions. The two model runs were then added together to obtain the total emissions associated with either the adopted Community Plans or BASASP buildup.

Estimating Vehicle Emissions

CalEEMod estimates vehicle emissions by first calculating trip rate, trip length, trip purpose, and trip type percentages (e.g., home to work, home to shop, home to other) for each land use type, based on the land use types and quantities entered by the user in the land use module. For this analysis, the CalEEMod default trip rates and lengths were edited to reflect the trip rates and VMT identified for each land use subtype in the traffic impact analysis prepared for the BASASP (Kimley-Horn 2017).

Estimating Energy Use Emissions

Air pollutants are emitted as a result of activities in buildings for which natural gas are used as an energy source. CalEEMod estimates emissions from energy use by multiplying average rates of residential and non-residential energy consumption by the quantities of residential units and non-residential square footage entered in the land use module to obtain total projected energy use. This value is then multiplied by the natural gas air pollutant emission factors applicable to the project location and utility provider.

CalEEMod default energy values are based on the California Energy Commission (CEC) sponsored California Commercial End Use Survey (CEUS) and Residential Appliance Saturation Survey (RASS) studies, which identify energy use by building type and climate zone. Each land use type input to the land use module is mapped in the energy module to the appropriate CEUS and RASS building type. Because these studies are based on older buildings, adjustments have been made in CalEEMod to account for changes to Title 24 building codes. The default adjustment is to the 2016 Title 24 energy code (part 6 of the building code). Should a user wish to simulate the 2005 Title 24 energy code, adjustments are available in the model by selecting the “use historical data” box.

For the estimates of the BASASP, energy emissions were estimated using two runs of the model. One run assumed the default 2016 Title 24 energy code for the portion of the total buildup land use quantities that would be new (i.e., the Proposed New Development land uses), and therefore constructed in accordance with the 2016 Title 24 energy code. The second model run for the BASASP

selected the historical data box for the portion of the total buildout land use quantities that comprise existing land uses that would not change (i.e., the Existing to Remain land uses). The two model runs were then added together to obtain the total projected energy emissions associated with the BASASP buildout. Table 5 lists the buildout land use quantities that were input to the Existing to Remain and Proposed New Development CalEEMod energy module runs.

Estimating Area Source Emissions

This CalEEMod module estimates the emissions that would occur from the use of hearths, woodstoves, and landscaping equipment. This module also estimates emissions due to use of consumer products and architectural coatings that have VOCs. The use of hearths and woodstoves directly emits air pollutants from the combustion of natural gas, wood, or biomass, some of which are thus classified as biogenic. CalEEMod estimates emissions from hearths and woodstoves only for residential uses based on the type and size of features of the residential land use inputs.

The use of landscape equipment emits air pollutants associated with the equipment's fuel combustion. CalEEMod estimates the number and type of equipment needed based on the number of summer days given the project's location as entered in the project characteristics module. The model defaults for hearths, woodstoves, and landscaping equipment were assumed.

Architectural VOC emissions for operations are primarily associated with maintenance activities. These activities are not covered under CALGreen. However, coatings sold in the County must comply with SDAPCD Rule 67.0. As a worst-case, the upper end SDAPCD architectural coating VOC limit of 250 milligrams per liter was used in each run.

Total Operational Emissions

A summary of the modeling results, which includes mobile, area, and energy source emissions, is shown in Table 6, *Maximum Daily Operational Emissions*. As shown in Table 6, BASASP emissions of the criteria pollutants VOC, CO, PM₁₀, and PM_{2.5} during operation would exceed the daily thresholds. Therefore, operation of the BASASP would result in a significant impact on air quality.

Table 6
MAXIMUM DAILY OPERATIONAL EMISSIONS

Category	Pollutant Emissions (pounds per day)					
	VOC	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}
Adopted Community Plans Emissions (Year 2035)						
Area	1,933	37	2,395	4	322	322
Energy	1	8	5	<1	1	1
Mobile	68	300	1,129	6	716	193
<i>Total Adopted</i>	<i>2,002</i>	<i>345</i>	<i>3,529</i>	<i>10</i>	<i>1,039</i>	<i>516</i>
BASASP Emissions (Year 2035)						
Area	7,419	146	9,322	16	1,255	1,255
Energy	2	18	8	<1	1	1
Mobile	87	386	1,311	6	800	216
<i>Total BASASP</i>	<i>7,508</i>	<i>550</i>	<i>10,641</i>	<i>22</i>	<i>2,056</i>	<i>1,472</i>
Net BASASP Emissions	5,506	205	7,155	12	1,017	956
<i>Screening Level Thresholds</i>	<i>75</i>	<i>250</i>	<i>550</i>	<i>250</i>	<i>100</i>	<i>55</i>
Significant Impact?	Yes	No	Yes	No	Yes	Yes

Source: CalEEMod (output data is provided in Appendix A)

5.2.2 Significance of Impacts

Criteria air pollutants generated during construction of new development pursuant to the BASASP could produce pollutants that would exceed State and federal requirements. Operational emissions would be associated with vehicle trips generated by the BASASP development, along with area sources such as use of fireplaces and landscaping. Based on the evaluation of air emissions, the BASASP emissions would exceed the screening-level thresholds for VOC, CO, PM₁₀, and PM_{2.5}. Thus, the increase in future emissions of CO, particulates, and ozone precursors associated with the BASASP would result in a significant air quality impact.

5.2.3 Mitigation Framework

The following mitigation framework would reduce potential impacts of buildout under the BASASP on State and federal air quality standards.

- AQ-2** To identify potential impacts resulting from construction activities, proposed development projects that are subject to CEQA shall have construction-related air quality impacts analyzed using the latest available CalEEMod model, or other analytical method determined in conjunction with the City. The results of the construction-related air quality impacts analysis shall be included in the development project's CEQA documentation. If such analyses identify potentially significant regional or local air quality impacts based on the emissions thresholds presented in Table 4, the City shall require the incorporation of appropriate mitigation to reduce such impacts. Examples of potential mitigation measures are provided in Mitigation Measure AQ-3, below.

- AQ-3** For individual construction project that would exceed daily emissions thresholds established by the City, best available control measures/technology shall be incorporated to reduce construction emissions to the extent feasible. Best available control measures/technology include:

- a. Minimizing simultaneous operation of multiple pieces of construction equipment;
- b. Use of more efficient, or low pollutant emitting equipment, e.g., Tier III or Tier IV rated equipment;
- c. Use of alternative fueled construction equipment;
- d. Dust control measures for construction sites to minimize fugitive dust, (e.g. watering, soil stabilizers, and speed limits); and/or
- e. Minimizing idling time by construction vehicles.

AQ-4 To identify potential impacts resulting from operational activities associated with future development, proposed development that are subject to CEQA shall have long-term operational-related air quality impacts analyzed using the latest available CalEEMod model, or other analytical method determined in conjunction with the City. The results of the operational-related air quality impacts analysis shall be included in the development project's CEQA documentation. If such analyses identify potentially significant regional or local air quality impacts based on the thresholds presented in Table 4, the City shall require the incorporation of appropriate mitigation to reduce such impacts. Examples of potential measures include the following:

- Installation of electric vehicle charging stations;
- Improve walkability design and pedestrian network;
- Increase transit accessibility and frequency by incorporating Bus Rapid Transit routes included in the SANDAG Regional Plan.
- Limit parking supply and unbundle parking costs. Lower parking supply below ITE rates and separate parking costs from property costs.

5.2.4 Significance After Mitigation

The ability of future development to successfully implement the actions required to fully meet these mitigation measures cannot be guaranteed at this time. Thus, air pollutant impacts from construction and operation under the proposed BASASP are considered significant and unavoidable at the program level.

5.3 CUMULATIVELY CONSIDERABLE NET INCREASE OF CRITERIA POLLUTANTS

5.3.1 Impacts

The cumulative area for regional air quality analysis is the SDAB. The SDAB is designated as a nonattainment area for ozone, PM₁₀, and PM_{2.5} under State standards and a nonattainment area for ozone under federal standards. The RAQS is the most appropriate document for evaluating the BASASP's cumulative effects because the RAQS evaluated air quality emissions for the whole of the SDAB using a

future development scenario. According to Section 5.1 of this report, the proposed BASASP would conflict with implementation of the RAQS. Furthermore, as discussed under Section 5.2, the proposed BASASP's operational regional VOC (ozone precursor), as well as PM₁₀, and PM_{2.5} emissions would exceed the SDAPCD's Screening Level Thresholds. Because it cannot be demonstrated at the programmatic level, that future development would not exceed applicable air quality standards, impacts are considered cumulatively considerable and significant.

5.3.2 Significance of Impacts

The BASASP's VOC emissions could contribute to existing violations of the State and federal ozone standards; the PM₁₀ and PM_{2.5} emissions could also contribute to existing violations of their respective standards. Impact would be potentially significant.

5.3.3 Mitigation Framework

Mitigation Measures AQ-2 through AQ-4 would reduce criteria pollutant emissions. No additional mitigation is available.

5.3.4 Significance After Mitigation

As discussed previously, the proposed BASASP is intended to further express General Plan policies in the proposed BASASP area through the provision of site-specific recommendations that implement city-wide goals and policies, address community needs, and guide zoning. The two documents work together to establish the framework for growth and development in the proposed BASASP area. The proposed BASASP contains seven elements, each providing neighborhood-specific goals and recommendations. These goals and recommendations are consistent with development design guidelines, other mobility and civic guidelines, incentives, and programs in accordance with the general goals stated in the General Plan. Mitigation Measures AQ-2 through AQ-6 would reduce criteria pollutant emissions but the contribution of air pollutants to the SDAB would result in a significant and unavoidable cumulative impact on air quality within the SDAB.

5.4 IMPACTS TO SENSITIVE RECEPTORS

5.4.1 Impacts

Impacts to sensitive receptors are typically analyzed for operational period CO hotspots, and exposure to TACs. An analysis of the BASASP's potential to expose sensitive receptors to these pollutants is provided below.

5.4.1.1 Carbon Monoxide Hotspots

A CO hotspot is an area of localized CO pollution caused by severe vehicle congestion on major roadways, typically near intersections. If a project increases average delay at signalized intersections operating at Level of Service (LOS) E or F or causes an intersection that would operate at LOS D or better without the project to operate at LOS E or F with the project, a quantitative screening is required. According to the BASASP Traffic Impact Analysis, 5 of the 29 intersections analyzed within the plan area would have a cumulative traffic related impact before inclusion of the recommended traffic mitigation measures (Kimley-Horn 2017):

- Balboa Avenue at Morena Boulevard,
- Balboa Avenue at Clairemont Drive,
- Garnet Avenue at Olney Street,
- Garnet Avenue at Mission Bay Drive, and
- Morena Boulevard at Jutland Drive.

The Transportation Project-Level Carbon Monoxide Protocol (Caltrans 1998) requires the modeler to model the intersections that have worst LOS and the highest traffic volumes. If the selected intersections do not show an exceedance of the NAAQS, none of the other intersections will. Of the intersections identified above, Balboa Avenue at Morena Boulevard has the worst LOS and Garnet Avenue at Mission Bay Drive has the highest traffic volumes; therefore, these two intersections were carried forward for more detailed modeling. As recommended in the Protocol, receptors were located at locations that were approximately 3 meters (10 feet) from the mixing zone, and at a height of 1.8 meters (6 feet). Emission factors from the EMFAC2014 model for the year 2035 at a temperature of 60 °F and 50 percent humidity were used in the CALINE4 model.

In accordance with the Protocol, it is also necessary to estimate future background CO concentrations in the Project vicinity to determine the potential impact plus background and evaluate the potential for CO hotspots due to the Project. The existing maximum 1-hour and 8-hour background concentrations of CO of 1.7 and 1.2 ppm were used to represent future maximum background 1-hour and 8-hour CO concentrations (USEPA 2017b). CO concentrations in the future may be lower as inspection and maintenance programs and more stringent emission controls are placed on vehicles.

Modeled 1-hour CO concentrations were scaled to evaluate maximum predicted 8-hour CO concentrations using the recommended persistence scaling factor of 0.7 for urban locations. The CALINE4 model outputs are provided at the end of Appendix A of this report. Table 7, *CO Hotspots Modeling Results*, presents a summary of the predicted CO concentrations (impact plus background) for the intersections evaluated for the BASASP traffic for the affected intersections. As shown in Table 7, the predicted CO concentrations would be substantially below the 1-hour and 8-hour NAAQS and CAAQS for CO. Therefore, no exceedances of the CO standard are predicted, and the BASASP would not cause or contribute to a violation of the air quality standard. CO hotspot impacts would be less than significant.

Table 7
COT HOTSPOTS MODELING RESULTS

Intersection	Peak Period	Maximum 1-hour Concentration	Maximum 8-hour Concentration
Balboa Avenue at Morena Boulevard	AM	2.9	2.0
	PM	3.3	2.3
Garnet Avenue at Mission Bay Drive	AM	3.6	2.5
	PM	3.9	2.7
Ambient Air Quality Standard		20	9.0
Significant Impact?		No	No

CALINE4 dispersion model output sheets are provided in Appendix A.

Peak hour traffic volumes are based on the TIA prepared for the Project by Kimley-Horn (2017).

5.4.1.2 Exposure to Toxic Air Contaminants

Construction

Implementation of the proposed project would result in the construction of new buildings, structures, paved areas, and other improvements. Heavy-duty construction equipment, haul trucks, on-site generators, and construction worker vehicles associated with this construction could generate diesel particulate matter (DPM), which the CARB identified as a TAC. Generation of diesel PM from construction projects typically occurs in a localized area (e.g., at the project site) for a short period of time. Because construction activities and subsequent emissions vary depending on the phase of construction (e.g., grading, building construction), the construction-related emissions to which nearby receptors are exposed to would also vary throughout the construction period. During some equipment-intensive phases such as grading, construction-related emissions would be higher than other less equipment-intensive phases such as building construction or architectural coatings. Concentrations of mobile-source diesel PM emissions are typically reduced by 70 percent at a distance of approximately 500 feet (CARB 2005).

The dose (of TAC) to which receptors are exposed is the primary factor used to determine health risk. Dose is a function of the concentration of a substance in the environment and the extent of exposure a person has with the substance; a longer exposure period to a fixed amount of emissions would result in higher health risks. Building construction activities for individual projects, as part of the proposed BASASP implementation, are estimated to last approximately six months to one year. According to the Office of Environmental Health Hazard Assessment, health risk assessments (HRAs) used to determine the exposure of sensitive receptors to TAC emissions should be based on a 30-year exposure period; however, such assessments should also be limited to the period/duration associated with construction activities which implement the proposed project. Thus, if the duration of potentially harmful construction activities near a sensitive receptor was one year, the exposure would be approximately three percent of the total exposure period used for typical health risk calculations. Considering this information, the highly dispersive nature of DPM, and the fact that construction activities would occur intermittently and at various locations over the span of several years (build out is year 2035), it is not anticipated that the implementation of the proposed project would expose sensitive receptors to substantial construction-related TAC concentrations. Therefore, this impact would be less than significant.

Stationary Sources

The BASASP includes land uses which may generate air pollutants affecting adjacent sensitive land uses. In air quality terms, individual land uses that emit air pollutants in sufficient quantities are known as stationary sources. The primary concern with stationary sources is local; however, they also contribute to air pollution in the SDAB. Stationary sources include gasoline stations, power plants, dry cleaners, and other commercial and industrial uses. Stationary sources are regulated by the local air pollution control or management district through the issuance of permits; in this case, the agency is the SDAPCD. In their *Air Quality and Land Use Handbook: a Community Health Perspective*, CARB provided recommendations regarding the siting of new sensitive land uses near various known sources of TACs. These siting recommendations have been reproduced in Table 8, *CARB Land Use Siting Recommendations*.

The California Air Toxics Program establishes the process for the identification and control of toxic air contaminants and includes provisions to make the public aware of significant toxic exposures and for

reducing risk. Additionally, AB 2588 was enacted in 1987, and requires stationary sources to report the types and quantities of certain substances routinely released into the air. The goals of the Air Toxics “Hot Spots” Act are to collect emission data, to identify facilities having localized impacts, to ascertain health risks, to notify nearby residents of significant risks, and to reduce those significant risks to acceptable levels.

Table 8
CARB LAND USE SITING RECOMMENDATIONS

Source Category	Recommended Buffer Distance (feet)
Freeways and High-Traffic Roads (freeways, urban roads with 100,000 vehicles per day, or rural roads with 50,000 vehicles per day)	500
Distribution Centers (that accommodate more than 100 trucks per day, more than 40 trucks with operating transport refrigeration units per day, or where transport refrigeration unit operations exceed 300 hours per week)	1,000
Chrome Platers	1,000
Dry Cleaners using Perchloroethylene (1 machine)	300
Dry Cleaners using Perchloroethylene (2 machines)	500
Dry Cleaners using Perchloroethylene (3 or more machines)	Requires consultation with SDAPCD
Large Gas Station (3.6 million gallons or more per year)	300
Other Gas Stations	50

Source: CARB 2005

In accordance with AB 2588, any new facility proposed that would have the potential to emit toxic air contaminants would be required to assess air toxic problems that would result from their facility’s emissions. If air emissions from a specific facility include toxic substances or exceed identified limits, the facility is required by the SDAPCD to provide information regarding emission inventories and health risk assessments. If adverse health impacts exceeding public notification levels are identified, the facility would provide public notice, and if the facility poses a potentially significant public health risk, the facility must submit a risk reduction audit and plan to demonstrate how the facility would reduce health risks. Thus, with this regulatory framework, at the program level, impacts associated with stationary sources in the BASASP area would be less than significant.

Operation

The proposed project would include the development of residential and commercial land uses. Residential land uses do not typically generate substantial TAC emissions. Commercial land uses may potentially include stationary sources of TACs, such as dry-cleaning establishments, gas stations, and diesel-fueled back-up generators. As discussed above, these types of stationary sources, in addition to any other stationary sources that may emit TACs would be subject to SDAPCD rules and regulations. Land uses that are more likely to generate substantial TAC emissions include industrial land uses that involve stationary sources and manufacturing processes.

Individual development projects could be located within the siting distances recommended by the CARB as identified above in Table 8. However, CARB notes that these recommendations are advisory and should not be interpreted as defined “buffer zones,” and that local agencies must balance other considerations such as transportation needs, the benefits of urban infill, community economic

development priorities, and other quality-of-life issues. With careful evaluation of exposure, health risks, and affirmative steps to reduce risk, where necessary, CARB's position is that infill development, mixed use, higher density, transit-oriented development, and other concepts that benefit regional air quality can be compatible with protecting the health of individuals at the neighborhood level. Therefore, implementation of the project is consistent with the goals of the CARB handbook and would not expose sensitive receptors to substantial pollutant concentrations. This impact would be less than significant.

5.4.2 Significance of Impacts

The analysis indicated there would be no potential for a CO hotspot or exposure of sensitive receptors to substantial, project generated, local CO emissions. Implementation of the proposed project would be consistent with the goals of the CARB handbook. Thus, impacts to sensitive receptors would be less than significant.

5.4.3 Mitigation Framework

Impacts would be less than significant; therefore, no mitigation measures are required.

5.4.4 Significance After Mitigation

Impacts to sensitive receptors would be less than significant.

5.5 ODORS

5.5.1 Impacts

Although the BASASP area is adjacent to numerous industrial operations, there are no known sources of specific, long-term odors in the area. There are no agricultural operations in the BASASP area. The BASASP would allow a variety of land uses that are not typically associated with the creation of objectionable odors. The BASASP does not propose any specific new sources of odor that could affect sensitive receptors.

5.5.2 Significance of Impacts

Impacts associated with odors are anticipated to be less than significant.

5.5.3 Mitigation Framework

Because there would be no significant impacts with respect to odors within the BASASP area, no mitigation measures are required.

5.5.4 Significance After Mitigation

Impacts related to odors would be less than significant.

6.0 LIST OF PREPARERS

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Senior Technical Specialist, Quality Assurance Reviewer

Project Manager

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Appendix A

Criteria Pollutant Emission Calculations

BASASP - Existing Approved (2035) - San Diego County, Winter

BASASP - Existing Approved (2035)
San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Automobile Care Center	8.00	1000sqft	0.18	8,000.00	0
Condo/Townhouse	666.00	Dwelling Unit	41.63	666,000.00	1905
Enclosed Parking with Elevator	0.40	1000sqft	0.01	400.00	0
Gasoline/Service Station	18.00	Pump	0.06	2,541.15	0
General Light Industry	0.00	1000sqft	0.00	0.00	0
General Office Building	72.15	1000sqft	1.66	72,147.00	0
Health Club	40.42	1000sqft	0.93	40,418.00	0
Industrial Park	109.10	1000sqft	2.50	109,100.00	0
Medical Office Building	43.19	1000sqft	0.99	43,192.00	0
Motel	40.00	Room	1.80	78,408.00	0
Regional Shopping Center	52.68	1000sqft	1.21	52,677.00	0
Single Family Housing	87.00	Dwelling Unit	28.25	156,600.00	249
Strip Mall	184.59	1000sqft	4.24	184,588.00	0
Unrefrigerated Warehouse-No Rail	308.75	1000sqft	7.09	308,746.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2035
Utility Company	San Diego Gas & Electric				

BASASP - Existing Approved (2035) - San Diego County, Winter

CO₂ Intensity 720.49 **CH₄ Intensity** 0.029 **N₂O Intensity** 0.006
(lb/MWhr) **(lb/MWhr)** **(lb/MWhr)**

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - No Construction

Vehicle Trips - KHA2017

Energy Use -

BASASP - Existing Approved (2035) - San Diego County, Winter

tblVehicleTrips	CC_TL	7.30	29.79
tblVehicleTrips	CC_TL	7.30	29.79
tblVehicleTrips	CC_TL	7.30	29.79
tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CC_TTP	79.00	100.00
tblVehicleTrips	CC_TTP	28.00	100.00
tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	64.10	100.00
tblVehicleTrips	CC_TTP	28.00	100.00
tblVehicleTrips	CC_TTP	51.40	100.00
tblVehicleTrips	CC_TTP	62.00	100.00
tblVehicleTrips	CC_TTP	64.70	100.00
tblVehicleTrips	CC_TTP	64.40	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TTP	33.00	0.00

BASASP - Existing Approved (2035) - San Diego County, Winter

tblVehicleTrips	CW_TTP	2.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	16.90	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	CW_TTP	29.60	0.00
tblVehicleTrips	CW_TTP	19.00	0.00
tblVehicleTrips	CW_TTP	16.30	0.00
tblVehicleTrips	CW_TTP	16.60	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	DV_TP	51.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	27.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	39.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	30.00	0.00
tblVehicleTrips	DV_TP	38.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	HO_TTP	39.60	0.00
tblVehicleTrips	HO_TTP	39.60	0.00
tblVehicleTrips	HS_TTP	18.80	0.00
tblVehicleTrips	HS_TTP	18.80	0.00

BASASP - Existing Approved (2035) - San Diego County, Winter

tblVehicleTrips	HW_TL	10.80	29.79
tblVehicleTrips	HW_TL	10.80	29.79
tblVehicleTrips	HW_TTP	41.60	100.00
tblVehicleTrips	HW_TTP	41.60	100.00
tblVehicleTrips	PB_TP	28.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	59.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	9.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PB_TP	10.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	21.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	14.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	PR_TP	52.00	100.00
tblVehicleTrips	PR_TP	79.00	100.00
tblVehicleTrips	PR_TP	60.00	100.00
tblVehicleTrips	PR_TP	58.00	100.00

BASASP - Existing Approved (2035) - San Diego County, Winter

tblVehicleTrips	PR_TP	54.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	23.72	20.00
tblVehicleTrips	ST_TR	5.67	6.00
tblVehicleTrips	ST_TR	0.00	77.50
tblVehicleTrips	ST_TR	168.56	150.00
tblVehicleTrips	ST_TR	1.32	14.99
tblVehicleTrips	ST_TR	2.46	21.48
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	2.49	0.00
tblVehicleTrips	ST_TR	8.96	49.99
tblVehicleTrips	ST_TR	5.63	50.85
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	ST_TR	9.91	9.00
tblVehicleTrips	ST_TR	42.04	48.99
tblVehicleTrips	ST_TR	1.68	2.00
tblVehicleTrips	SU_TR	11.88	20.00
tblVehicleTrips	SU_TR	4.84	6.00
tblVehicleTrips	SU_TR	0.00	77.50
tblVehicleTrips	SU_TR	168.56	150.00
tblVehicleTrips	SU_TR	0.68	14.99
tblVehicleTrips	SU_TR	1.05	21.48
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	0.73	0.00
tblVehicleTrips	SU_TR	1.55	49.99

BASASP - Existing Approved (2035) - San Diego County, Winter

tblVehicleTrips	SU_TR	5.63	50.85
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	SU_TR	8.62	9.00
tblVehicleTrips	SU_TR	20.43	48.99
tblVehicleTrips	SU_TR	1.68	2.00
tblVehicleTrips	WD_TR	23.72	20.00
tblVehicleTrips	WD_TR	5.81	6.00
tblVehicleTrips	WD_TR	0.00	77.50
tblVehicleTrips	WD_TR	168.56	150.00
tblVehicleTrips	WD_TR	6.97	14.99
tblVehicleTrips	WD_TR	11.03	21.48
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	6.83	0.00
tblVehicleTrips	WD_TR	36.13	49.99
tblVehicleTrips	WD_TR	5.63	50.85
tblVehicleTrips	WD_TR	42.70	0.00
tblVehicleTrips	WD_TR	9.52	9.00
tblVehicleTrips	WD_TR	44.32	48.99
tblVehicleTrips	WD_TR	1.68	2.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

Mitigated Construction

BASASP - Existing Approved (2035) - San Diego County, Winter

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Area	1,203.870 6	23.2198	1,484.491 2	2.5805		199.7925	199.7925		199.7925	199.7925	20,912.11 32	8,882.287 2	29,794.40 04	19.4054	1.6449	30,769.71 40	
Energy	0.7174	6.3231	4.0198	0.0391		0.4957	0.4957		0.4957	0.4957	7,826.373 1	7,826.373 1	0.1500	0.1435	7,872.881 4		
Mobile	50.8841	222.8681	837.4859	4.1232	530.3206	2.0235	532.3441	141.6839	1.8825	143.5663	423,087.3 246	423,087.3 246	18.9906			423,562.0 896	
Total	1,255.472 2	252.4109	2,325.996 9	6.7428	530.3206	202.3117	732.6323	141.6839	202.1707	343.8545	20,912.11 32	439,795.9 849	460,708.0 981	38.5460	1.7884	462,204.6 850	

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Area	1,203.870 6	23.2198	1,484.491 2	2.5805		199.7925	199.7925		199.7925	199.7925	20,912.11 32	8,882.287 2	29,794.40 04	19.4054	1.6449	30,769.71 40	
Energy	0.7174	6.3231	4.0198	0.0391		0.4957	0.4957		0.4957	0.4957	7,826.373 1	7,826.373 1	0.1500	0.1435	7,872.881 4		
Mobile	50.8841	222.8681	837.4859	4.1232	530.3206	2.0235	532.3441	141.6839	1.8825	143.5663	423,087.3 246	423,087.3 246	18.9906			423,562.0 896	
Total	1,255.472 2	252.4109	2,325.996 9	6.7428	530.3206	202.3117	732.6323	141.6839	202.1707	343.8545	20,912.11 32	439,795.9 849	460,708.0 981	38.5460	1.7884	462,204.6 850	

BASASP - Existing Approved (2035) - San Diego County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	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	12/10/2033	12/9/2033	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.01

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	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	2	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	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2033

Unmitigated Construction On-Site

Unmitigated Construction Off-Site

BASASP - Existing Approved (2035) - San Diego County, Winter

3.2 Demolition - 2033**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	
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000								

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

BASASP - Existing Approved (2035) - San Diego 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	50.8841	222.8681	837.4859	4.1232	530.3206	2.0235	532.3441	141.6839	1.8825	143.5663	423,087.3 246	423,087.3 246	18.9906		423,562.0 896	
Unmitigated	50.8841	222.8681	837.4859	4.1232	530.3206	2.0235	532.3441	141.6839	1.8825	143.5663	423,087.3 246	423,087.3 246	18.9906		423,562.0 896	

4.2 Trip Summary Information

BASASP - Existing Approved (2035) - San Diego County, Winter

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	160.00	160.00	160.00	1,734,970	1,734,970
Condo/Townhouse	3,996.00	3,996.00	3996.00	43,330,866	43,330,866
Enclosed Parking with Elevator	31.00	31.00	31.00	336,150	336,150
Gasoline/Service Station	2,700.00	2,700.00	2700.00	29,277,612	29,277,612
General Light Industry	0.00	0.00	0.00		
General Office Building	1,549.72	1,549.72	1549.72	16,804,455	16,804,455
Health Club	0.00	0.00	0.00		
Industrial Park	0.00	0.00	0.00		
Medical Office Building	2,159.17	2,159.17	2159.17	23,413,069	23,413,069
Motel	2,034.00	2,034.00	2034.00	22,055,801	22,055,801
Regional Shopping Center	0.00	0.00	0.00		
Single Family Housing	783.00	783.00	783.00	8,490,507	8,490,507
Strip Mall	9,042.97	9,042.97	9042.97	98,057,946	98,057,946
Unrefrigerated Warehouse-No Rail	617.49	617.49	617.49	6,695,812	6,695,812
Total	23,073.34	23,073.34	23,073.34	250,197,187	250,197,187

4.3 Trip Type Information

BASASP - Existing Approved (2035) - San Diego 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
Automobile Care Center	9.50	29.79	7.30	0.00	100.00	0.00	100	0	0
Condo/Townhouse	29.79	7.30	7.50	100.00	0.00	0.00	100	0	0
Enclosed Parking with Elevator	9.50	29.79	7.30	0.00	100.00	0.00	100	0	0
Gasoline/Service Station	9.50	29.79	7.30	0.00	100.00	0.00	100	0	0
General Light Industry	9.50	29.79	7.30	0.00	100.00	0.00	100	0	0
General Office Building	9.50	29.79	7.30	0.00	100.00	0.00	100	0	0
Health Club	9.50	29.79	7.30	0.00	100.00	0.00	100	0	0
Industrial Park	9.50	29.79	7.30	0.00	100.00	0.00	100	0	0
Medical Office Building	9.50	29.79	7.30	0.00	100.00	0.00	100	0	0
Motel	9.50	29.79	7.30	0.00	100.00	0.00	100	0	0
Regional Shopping Center	9.50	29.79	7.30	0.00	100.00	0.00	100	0	0
Single Family Housing	29.79	7.30	7.50	100.00	0.00	0.00	100	0	0
Strip Mall	9.50	29.79	7.30	0.00	100.00	0.00	100	0	0
Unrefrigerated Warehouse-No	9.50	29.79	7.30	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

BASASP - Existing Approved (2035) - San Diego County, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Condo/Townhouse	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Enclosed Parking with Elevator	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Gasoline/Service Station	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
General Light Industry	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
General Office Building	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Health Club	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Industrial Park	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Medical Office Building	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Motel	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Regional Shopping Center	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Single Family Housing	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Strip Mall	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Unrefrigerated Warehouse-No Rail	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

BASASP - Existing Approved (2035) - San Diego 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	0.7174	6.3231	4.0198	0.0391		0.4957	0.4957		0.4957	0.4957	7,826.373 1	7,826.373 1	0.1500	0.1435	7,872.881 4		
NaturalGas Unmitigated	0.7174	6.3231	4.0198	0.0391		0.4957	0.4957		0.4957	0.4957	7,826.373 1	7,826.373 1	0.1500	0.1435	7,872.881 4		

5.2 Energy by Land Use - NaturalGas**Unmitigated**

BASASP - Existing Approved (2035) - San Diego County, Winter

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day											lb/day					
Automobile Care Center	269.37	2.9000e-003	0.0264	0.0222	1.6000e-004		2.0100e-003	2.0100e-003		2.0100e-003	2.0100e-003		31.6906	31.6906	6.1000e-004	5.8000e-004	31.8789	
Condo/Townhouse	26645.8	0.2874	2.4556	1.0449	0.0157		0.1985	0.1985		0.1985	0.1985		3,134.796	3,134.796	0.0601	0.0575	3,153.425	
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	
Gasoline/Service Station	85.5637	9.2000e-004	8.3900e-003	7.0500e-003	5.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004		10.0663	10.0663	1.9000e-004	1.8000e-004	10.1261	
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	
General Office Building	4656.94	0.0502	0.4566	0.3835	2.7400e-003		0.0347	0.0347		0.0347	0.0347		547.8754	547.8754	0.0105	0.0100	551.1311	
Health Club	1360.92	0.0147	0.1334	0.1121	8.0000e-004		0.0101	0.0101		0.0101	0.0101		160.1087	160.1087	3.0700e-003	2.9400e-003	161.0601	
Industrial Park	7042.18	0.0760	0.6904	0.5799	4.1400e-003		0.0525	0.0525		0.0525	0.0525		828.4919	828.4919	0.0159	0.0152	833.4152	
Medical Office Building	2787.95	0.0301	0.2733	0.2296	1.6400e-003		0.0208	0.0208		0.0208	0.0208		327.9947	327.9947	6.2900e-003	6.0100e-003	329.9438	
Motel	13230.5	0.1427	1.2971	1.0896	7.7800e-003		0.0986	0.0986		0.0986	0.0986		1,556.534	1,556.534	0.0298	0.0285	1,565.784	
Regional Shopping Center	347.813	3.7500e-003	0.0341	0.0286	2.0000e-004		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003		40.9191	40.9191	7.8000e-004	7.5000e-004	41.1623	
Single Family Housing	7169.65	0.0773	0.6607	0.2812	4.2200e-003		0.0534	0.0534		0.0534	0.0534		843.4877	843.4877	0.0162	0.0155	848.5001	
Strip Mall	1218.79	0.0131	0.1195	0.1004	7.2000e-004		9.0800e-003	9.0800e-003		9.0800e-003	9.0800e-003		143.3867	143.3867	2.7500e-003	2.6300e-003	144.2387	
Unrefrigerated Warehouse-No Rail	1708.68	0.0184	0.1675	0.1407	1.0100e-003		0.0127	0.0127		0.0127	0.0127		201.0208	201.0208	3.8500e-003	3.6900e-003	202.2153	
Total		0.7174	6.3231	4.0197	0.0391		0.4957	0.4957		0.4957	0.4957		7,826.373	7,826.373	0.1500	0.1435	7,872.881	
													1	1			4	

5.2 Energy by Land Use - NaturalGas**Mitigated**

BASASP - Existing Approved (2035) - San Diego County, Winter

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Automobile Care Center	0.26937	2.9000e-003	0.0264	0.0222	1.6000e-004		2.0100e-003	2.0100e-003		2.0100e-003	2.0100e-003	31.6906	31.6906	6.1000e-004	5.8000e-004	31.8789	
Condo/Townhouse	26.6458	0.2874	2.4556	1.0449	0.0157		0.1985	0.1985		0.1985	0.1985	3,134.796	3,134.796	0.0601	0.0575	3,153.425	
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Gasoline/Service Station	0.0855637	9.2000e-004	8.3900e-003	7.0500e-003	5.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	10.0663	10.0663	1.9000e-004	1.8000e-004	10.1261	
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
General Office Building	4.65694	0.0502	0.4566	0.3835	2.7400e-003		0.0347	0.0347		0.0347	0.0347	547.8754	547.8754	0.0105	0.0100	551.1311	
Health Club	1.36092	0.0147	0.1334	0.1121	8.0000e-004		0.0101	0.0101		0.0101	0.0101	160.1087	160.1087	3.0700e-003	2.9400e-003	161.0601	
Industrial Park	7.04218	0.0760	0.6904	0.5799	4.1400e-003		0.0525	0.0525		0.0525	0.0525	828.4919	828.4919	0.0159	0.0152	833.4152	
Medical Office Building	2.78795	0.0301	0.2733	0.2296	1.6400e-003		0.0208	0.0208		0.0208	0.0208	327.9947	327.9947	6.2900e-003	6.0100e-003	329.9438	
Motel	13.2305	0.1427	1.2971	1.0896	7.7800e-003		0.0986	0.0986		0.0986	0.0986	1,556.534	1,556.534	0.0298	0.0285	1,565.784	
Regional Shopping Center	0.347813	3.7500e-003	0.0341	0.0286	2.0000e-004		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003	40.9191	40.9191	7.8000e-004	7.5000e-004	41.1623	
Single Family Housing	7.16965	0.0773	0.6607	0.2812	4.2200e-003		0.0534	0.0534		0.0534	0.0534	843.4877	843.4877	0.0162	0.0155	848.5001	
Strip Mall	1.21879	0.0131	0.1195	0.1004	7.2000e-004		9.0800e-003	9.0800e-003		9.0800e-003	9.0800e-003	143.3867	143.3867	2.7500e-003	2.6300e-003	144.2387	
Unrefrigerated Warehouse-No Rail	1.70868	0.0184	0.1675	0.1407	1.0100e-003		0.0127	0.0127		0.0127	0.0127	201.0208	201.0208	3.8500e-003	3.6900e-003	202.2153	
Total		0.7174	6.3231	4.0197	0.0391		0.4957	0.4957		0.4957	0.4957	7,826.373	7,826.373	0.1500	0.1435	7,872.881	

6.0 Area Detail**6.1 Mitigation Measures Area**

BASASP - Existing Approved (2035) - San Diego County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Mitigated	1,203.870 6	23.2198	1,484.491 2	2.5805		199.7925	199.7925		199.7925	199.7925	20,912.11 32	8,882.287 2	29,794.40 04	19.4054	1.6449	30,769.71 40	
Unmitigated	1,203.870 6	23.2198	1,484.491 2	2.5805		199.7925	199.7925		199.7925	199.7925	20,912.11 32	8,882.287 2	29,794.40 04	19.4054	1.6449	30,769.71 40	

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	12.7643					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Consumer Products	36.8599					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Hearth	1,152.387 4	22.5048	1,422.497 1	2.5772		199.4477	199.4477		199.4477	199.4477	20,912.11 32	8,770.235 3	29,682.34 85	19.2984	1.6449	30,654.98 77	
Landscaping	1.8591	0.7150	61.9942	3.2900e-003		0.3448	0.3448		0.3448	0.3448		112.0519	112.0519	0.1070			114.7263
Total	1,203.870 6	23.2198	1,484.491 2	2.5805		199.7925	199.7925		199.7925	199.7925	20,912.11 32	8,882.287 2	29,794.40 04	19.4054	1.6449	30,769.71 40	

BASASP - Existing Approved (2035) - San Diego 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	12.7643					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	36.8599					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1,152.387 4	22.5048	1,422.497 1	2.5772		199.4477	199.4477		199.4477	199.4477	20,912.11 32	8,770.235 3	29,682.34 85	19.2984	1.6449	30,654.98 77
Landscaping	1.8591	0.7150	61.9942	3.2900e-003		0.3448	0.3448		0.3448	0.3448		112.0519	112.0519	0.1070		114.7263
Total	1,203.870 6	23.2198	1,484.491 2	2.5805		199.7925	199.7925		199.7925	199.7925	20,912.11 32	8,882.287 2	29,794.40 04	19.4054	1.6449	30,769.71 40

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

BASASP - Existing Approved (2035) - San Diego County, Winter

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

BASASP - New Approved (2035) - San Diego County, Winter

BASASP - New Approved (2035)
San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	114.70	1000sqft	2.63	114,698.00	0
Condo/Townhouse	462.00	Dwelling Unit	28.88	462,000.00	1321
Strip Mall	127.41	1000sqft	2.92	127,408.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2035
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Vehicle Trips - KHA2017

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblVehicleTrips	CC_TL	7.30	29.79

BASASP - New Approved (2035) - San Diego County, Winter

tblVehicleTrips	CC_TL	7.30	29.79
tblVehicleTrips	CC_TTP	28.00	100.00
tblVehicleTrips	CC_TTP	64.40	100.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	CW_TTP	16.60	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	ST_TR	5.67	0.00
tblVehicleTrips	ST_TR	1.32	14.99
tblVehicleTrips	ST_TR	42.04	48.99
tblVehicleTrips	SU_TR	4.84	0.00
tblVehicleTrips	SU_TR	0.68	14.99
tblVehicleTrips	SU_TR	20.43	48.99
tblVehicleTrips	WD_TR	5.81	0.00
tblVehicleTrips	WD_TR	6.97	14.99
tblVehicleTrips	WD_TR	44.32	48.99

BASASP - New Approved (2035) - San Diego County, Winter

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Year	lb/day											lb/day					
2018	5.1869	59.5906	35.7388	0.0868	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	8,762.767 9	8,762.767 9	1.9498	0.0000	8,787.497 6	
2019	4.6624	33.4213	32.6614	0.0855	4.0691	1.3927	5.4618	1.0930	1.3102	2.4032	0.0000	8,606.608 4	8,606.608 4	0.9590	0.0000	8,630.582 2	
2020	4.2220	30.3849	30.9637	0.0842	4.0691	1.1914	5.2605	1.0930	1.1206	2.2136	0.0000	8,441.153 6	8,441.153 6	0.9285	0.0000	8,464.366 8	
2021	365.3675	27.5353	29.6683	0.0828	4.0691	1.0024	5.0715	1.0930	0.9423	2.0352	0.0000	8,305.746 4	8,305.746 4	0.9055	0.0000	8,328.383 7	
Maximum	365.3675	59.5906	35.7388	0.0868	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	8,762.767 9	8,762.767 9	1.9498	0.0000	8,787.497 6	

BASASP - New Approved (2035) - San Diego County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Year	lb/day										lb/day						
2018	5.1869	59.5906	35.7388	0.0868	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	8,762.767 9	8,762.767 9	1.9498	0.0000	8,787.497 6	
2019	4.6624	33.4213	32.6614	0.0855	4.0691	1.3927	5.4618	1.0930	1.3102	2.4032	0.0000	8,606.608 4	8,606.608 4	0.9590	0.0000	8,630.582 2	
2020	4.2220	30.3849	30.9637	0.0842	4.0691	1.1914	5.2605	1.0930	1.1206	2.2136	0.0000	8,441.153 6	8,441.153 6	0.9285	0.0000	8,464.366 7	
2021	365.3675	27.5353	29.6683	0.0828	4.0691	1.0024	5.0715	1.0930	0.9423	2.0352	0.0000	8,305.746 4	8,305.746 4	0.9055	0.0000	8,328.383 7	
Maximum	365.3675	59.5906	35.7388	0.0868	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	8,762.767 9	8,762.767 9	1.9498	0.0000	8,787.497 6	

BASASP - New Approved (2035) - San Diego 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	728.7455	14.2461	910.7733	1.5832		122.5817	122.5817		122.5817	122.5817	12,830.53 96	5,449.625 3	18,280.16 49	11.9059	1.0092	18,878.56 03	
Energy	0.2439	2.1102	1.0772	0.0133		0.1685	0.1685		0.1685	0.1685		2,660.727 0	2,660.727 0	0.0510	0.0488	2,676.538 3	
Mobile	17.5566	76.8966	288.9594	1.4226	182.9775	0.6982	183.6757	48.8855	0.6495	49.5350		145,978.6 474	145,978.6 474	6.5524		146,142.4 565	
Total	746.5460	93.2529	1,200.809 9	3.0192	182.9775	123.4484	306.4260	48.8855	123.3998	172.2852	12,830.53 96	154,088.9 997	166,919.5 393	18.5093	1.0580	167,697.5 551	

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	728.7455	14.2461	910.7733	1.5832		122.5817	122.5817		122.5817	122.5817	12,830.53 96	5,449.625 3	18,280.16 49	11.9059	1.0092	18,878.56 03	
Energy	0.2439	2.1102	1.0772	0.0133		0.1685	0.1685		0.1685	0.1685		2,660.727 0	2,660.727 0	0.0510	0.0488	2,676.538 3	
Mobile	17.5566	76.8966	288.9594	1.4226	182.9775	0.6982	183.6757	48.8855	0.6495	49.5350		145,978.6 474	145,978.6 474	6.5524		146,142.4 565	
Total	746.5460	93.2529	1,200.809 9	3.0192	182.9775	123.4484	306.4260	48.8855	123.3998	172.2852	12,830.53 96	154,088.9 997	166,919.5 393	18.5093	1.0580	167,697.5 551	

BASASP - New Approved (2035) - San Diego County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	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	2/8/2018	4/18/2018	5	50	
2	Site Preparation	Site Preparation	4/19/2018	5/30/2018	5	30	
3	Grading	Grading	5/31/2018	9/12/2018	5	75	
4	Building Construction	Building Construction	9/13/2018	7/14/2021	5	740	
5	Paving	Paving	7/15/2021	9/29/2021	5	55	
6	Architectural Coating	Architectural Coating	9/30/2021	12/15/2021	5	55	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 187.5

Acres of Paving: 0

Residential Indoor: 935,550; Residential Outdoor: 311,850; Non-Residential Indoor: 363,159; Non-Residential Outdoor: 121,053; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

BASASP - New Approved (2035) - San Diego 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	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

BASASP - New Approved (2035) - San Diego 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	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	422.00	89.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	84.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction**3.2 Demolition - 2018****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	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048	3,871.766 5	3,871.766 5	1.0667		3,898.434 4	
Total	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048	3,871.766 5	3,871.766 5	1.0667		3,898.434 4	

BASASP - New Approved (2035) - San Diego County, Winter

3.2 Demolition - 2018**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	0.0721	0.0516	0.4871	1.2700e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		126.3491	126.3491	4.3800e-003		126.4586	
Total	0.0721	0.0516	0.4871	1.2700e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		126.3491	126.3491	4.3800e-003		126.4586	

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	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344	
Total	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344	

BASASP - New Approved (2035) - San Diego County, Winter

3.2 Demolition - 2018**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	0.0721	0.0516	0.4871	1.2700e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		126.3491	126.3491	4.3800e-003		126.4586	
Total	0.0721	0.0516	0.4871	1.2700e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		126.3491	126.3491	4.3800e-003		126.4586	

3.3 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307		0.0000				0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.6239	3,831.6239	1.1928		3,861.4448

BASASP - New Approved (2035) - San Diego County, Winter

3.3 Site Preparation - 2018**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	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503	
Total	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503	

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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307		0.0000				0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448

BASASP - New Approved (2035) - San Diego County, Winter

3.3 Site Preparation - 2018**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	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402	151.6189	151.6189	5.2500e-003			151.7503	
Total	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503	

3.4 Grading - 2018**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					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965	0.0000	0.0000				0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	6,244.4284	6,244.4284	1.9440			6,293.0278
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195		6,244.4284	6,244.4284	1.9440		6,293.0278

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3.4 Grading - 2018**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Worker	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447	168.4655	168.4655	5.8400e-003	168.6114			
Total	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278

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3.4 Grading - 2018**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	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447	168.4655	168.4655	5.8400e-003	168.6114			
Total	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114	

3.5 Building Construction - 2018**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	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	2,620.935 1	2,620.935 1	0.6421			2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	2,620.935 1	2,620.935 1	0.6421			2,636.988 3

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3.5 Building Construction - 2018**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.4784	11.7461	3.4355	0.0242	0.6025	0.0932	0.6957	0.1734	0.0892	0.2626	2,587.211 7	2,587.211 7	0.2239		2,592.808 6		
Worker	2.0291	1.4528	13.7035	0.0357	3.4666	0.0250	3.4916	0.9195	0.0230	0.9425	3,554.621 1	3,554.621 1	0.1232		3,557.700 7		
Total	2.5075	13.1989	17.1389	0.0599	4.0691	0.1182	4.1873	1.0930	0.1122	1.2052	6,141.832 8	6,141.832 8	0.3471		6,150.509 3		

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	2.6795	23.3900	17.5804	0.0269			1.4999	1.4999		1.4099	1.4099	0.0000 1	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269			1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

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3.5 Building Construction - 2018**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	0.4784	11.7461	3.4355	0.0242	0.6025	0.0932	0.6957	0.1734	0.0892	0.2626	2,587.211 7	2,587.211 7	0.2239		2,592.808 6		
Worker	2.0291	1.4528	13.7035	0.0357	3.4666	0.0250	3.4916	0.9195	0.0230	0.9425	3,554.621 1	3,554.621 1	0.1232		3,557.700 7		
Total	2.5075	13.1989	17.1389	0.0599	4.0691	0.1182	4.1873	1.0930	0.1122	1.2052	6,141.832 8	6,141.832 8	0.3471		6,150.509 3		

3.5 Building Construction - 2019**Unmitigated Construction On-Site**

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

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3.5 Building Construction - 2019**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.4273	11.0438	3.1586	0.0240	0.6025	0.0781	0.6806	0.1734	0.0747	0.2482	2,567.652 3	2,567.652 3	0.2164		2,573.061 8		
Worker	1.8740	1.2987	12.3390	0.0346	3.4666	0.0247	3.4913	0.9195	0.0228	0.9423	3,447.376 0	3,447.376 0	0.1112		3,450.156 9		
Total	2.3013	12.3425	15.4976	0.0586	4.0691	0.1028	4.1720	1.0930	0.0975	1.1905	6,015.028 3	6,015.028 3	0.3276		6,023.218 7		

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000 2	2,591.580 2	2,591.580 2	0.6313		2,607.363 5	
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5	

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3.5 Building Construction - 2019**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.4273	11.0438	3.1586	0.0240	0.6025	0.0781	0.6806	0.1734	0.0747	0.2482	2,567.652 3	2,567.652 3	0.2164		2,573.061 8		
Worker	1.8740	1.2987	12.3390	0.0346	3.4666	0.0247	3.4913	0.9195	0.0228	0.9423	3,447.376 0	3,447.376 0	0.1112		3,450.156 9		
Total	2.3013	12.3425	15.4976	0.0586	4.0691	0.1028	4.1720	1.0930	0.0975	1.1905	6,015.028 3	6,015.028 3	0.3276		6,023.218 7		

3.5 Building Construction - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	2,553.063 1	2,553.063 1	0.6229		2,568.634 5		
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	2,553.063 1	2,553.063 1	0.6229		2,568.634 5		

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3.5 Building Construction - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	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	0.3483	10.0274	2.8373	0.0238	0.6025	0.0500	0.6525	0.1734	0.0479	0.2213	2,549.513 7	2,549.513 7	0.2052		2,554.642 5		
Worker	1.7539	1.1715	11.2778	0.0335	3.4666	0.0243	3.4910	0.9195	0.0224	0.9419	3,338.576 8	3,338.576 8	0.1005		3,341.089 8		
Total	2.1022	11.1989	14.1152	0.0573	4.0691	0.0744	4.1435	1.0930	0.0703	1.1632	5,888.090 6	5,888.090 6	0.3057		5,895.732 3		

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000 1	2,553.063 1	2,553.063 1	0.6229		2,568.634 5	
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.063 1	2,553.063 1	0.6229		2,568.634 5	

BASASP - New Approved (2035) - San Diego 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	0.0000	0.0000	
Vendor	0.3483	10.0274	2.8373	0.0238	0.6025	0.0500	0.6525	0.1734	0.0479	0.2213	2,549.513 7	2,549.513 7	0.2052		2,554.642 5		
Worker	1.7539	1.1715	11.2778	0.0335	3.4666	0.0243	3.4910	0.9195	0.0224	0.9419	3,338.576 8	3,338.576 8	0.1005		3,341.089 8		
Total	2.1022	11.1989	14.1152	0.0573	4.0691	0.0744	4.1435	1.0930	0.0703	1.1632	5,888.090 6	5,888.090 6	0.3057		5,895.732 3		

3.5 Building Construction - 2021**Unmitigated Construction On-Site**

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

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3.5 Building Construction - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	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	0.2837	9.0387	2.5716	0.0235	0.6025	0.0198	0.6223	0.1734	0.0189	0.1924	2,525.991 8	2,525.991 8	0.1968		2,530.911 3		
Worker	1.6553	1.0645	10.5215	0.0324	3.4666	0.0240	3.4906	0.9195	0.0221	0.9416	3,226.390 8	3,226.390 8	0.0927		3,228.708 1		
Total	1.9389	10.1032	13.0931	0.0559	4.0691	0.0438	4.1129	1.0930	0.0410	1.1340	5,752.382 5	5,752.382 5	0.2895		5,759.619 4		

Mitigated Construction On-Site

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

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3.5 Building Construction - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	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	0.2837	9.0387	2.5716	0.0235	0.6025	0.0198	0.6223	0.1734	0.0189	0.1924	2,525.991 8	2,525.991 8	0.1968		2,530.911 3		
Worker	1.6553	1.0645	10.5215	0.0324	3.4666	0.0240	3.4906	0.9195	0.0221	0.9416	3,226.390 8	3,226.390 8	0.0927		3,228.708 1		
Total	1.9389	10.1032	13.0931	0.0559	4.0691	0.0438	4.1129	1.0930	0.0410	1.1340	5,752.382 5	5,752.382 5	0.2895		5,759.619 4		

3.6 Paving - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	2,207.210 9	2,207.210 9	0.7139		2,225.057 3		
Paving	0.0000					0.0000	0.0000		0.0000	0.0000		0.0000		0.0000		0.0000	
Total	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	2,207.210 9	2,207.210 9	0.7139		2,225.057 3		

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3.6 Paving - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Worker	0.0588	0.0378	0.3740	1.1500e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		114.6821	114.6821	3.2900e-003		114.7645	
Total	0.0588	0.0378	0.3740	1.1500e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		114.6821	114.6821	3.2900e-003		114.7645	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.210 9	2,207.210 9	0.7139		2,225.057 3	
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Total	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.210 9	2,207.210 9	0.7139		2,225.057 3	

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3.6 Paving - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Worker	0.0588	0.0378	0.3740	1.1500e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		114.6821	114.6821	3.2900e-003		114.7645	
Total	0.0588	0.0378	0.3740	1.1500e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		114.6821	114.6821	3.2900e-003		114.7645	

3.7 Architectural Coating - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Archit. Coating	364.8192						0.0000	0.0000		0.0000	0.0000		0.0000			0.0000	
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309	
Total	365.0381	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309	

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3.7 Architectural Coating - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Worker	0.3295	0.2119	2.0943	6.4400e-003	0.6900	4.7700e-003	0.6948	0.1830	4.3900e-003	0.1874			642.2200	642.2200	0.0185		642.6812
Total	0.3295	0.2119	2.0943	6.4400e-003	0.6900	4.7700e-003	0.6948	0.1830	4.3900e-003	0.1874			642.2200	642.2200	0.0185		642.6812

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	364.8192						0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309	
Total	365.0381	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309	

BASASP - New Approved (2035) - San Diego County, Winter

3.7 Architectural Coating - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Worker	0.3295	0.2119	2.0943	6.4400e-003	0.6900	4.7700e-003	0.6948	0.1830	4.3900e-003	0.1874		642.2200	642.2200	0.0185		642.6812	
Total	0.3295	0.2119	2.0943	6.4400e-003	0.6900	4.7700e-003	0.6948	0.1830	4.3900e-003	0.1874		642.2200	642.2200	0.0185		642.6812	

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

BASASP - New Approved (2035) - San Diego 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	17.5566	76.8966	288.9594	1.4226	182.9775	0.6982	183.6757	48.8855	0.6495	49.5350	145,978.6 474	145,978.6 474	6.5524		146,142.4 565		
Unmitigated	17.5566	76.8966	288.9594	1.4226	182.9775	0.6982	183.6757	48.8855	0.6495	49.5350	145,978.6 474	145,978.6 474	6.5524		146,142.4 565		

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT	Annual VMT	Annual VMT
Condo/Townhouse	0.00	0.00	0.00				
General Light Industry	1,719.32	1,719.32	1719.32	18,643,582		18,643,582	
Strip Mall	6,241.72	6,241.72	6241.72	67,682,443		67,682,443	
Total	7,961.04	7,961.04	7,961.04	86,326,025		86,326,025	

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
Condo/Townhouse	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
General Light Industry	0.00	29.79	0.00	0.00	100.00	0.00	100	0	0
Strip Mall	0.00	29.79	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Condo/Townhouse	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
General Light Industry	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Strip Mall	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709

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	0.2439	2.1102	1.0772	0.0133		0.1685	0.1685		0.1685	0.1685	2,660.727	0	2,660.727	0.0510	0.0488	2,676.538
NaturalGas Unmitigated	0.2439	2.1102	1.0772	0.0133		0.1685	0.1685		0.1685	0.1685	2,660.727	0	2,660.727	0.0510	0.0488	2,676.538

BASASP - New Approved (2035) - San Diego 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					
Condo/Townhouse	18205.1	0.1963	1.6777	0.7139	0.0107		0.1357	0.1357		0.1357	0.1357	2,141.781	2,141.781	0.0411	0.0393	2,154.508	
General Light Industry	3632.63	0.0392	0.3561	0.2992	2.1400e-003		0.0271	0.0271		0.0271	0.0271	427.3679	427.3679	8.1900e-003	7.8400e-003	429.9075	
Strip Mall	778.411	8.3900e-003	0.0763	0.0641	4.6000e-004		5.8000e-003	5.8000e-003		5.8000e-003	5.8000e-003	91.5777	91.5777	1.7600e-003	1.6800e-003	92.1219	
Total		0.2439	2.1102	1.0772	0.0133		0.1685	0.1685		0.1685	0.1685	2,660.727	2,660.727	0.0510	0.0488	2,676.538	

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					
Condo/Townhouse	18.2051	0.1963	1.6777	0.7139	0.0107		0.1357	0.1357		0.1357	0.1357	2,141.781	2,141.781	0.0411	0.0393	2,154.508	
General Light Industry	3.63263	0.0392	0.3561	0.2992	2.1400e-003		0.0271	0.0271		0.0271	0.0271	427.3679	427.3679	8.1900e-003	7.8400e-003	429.9075	
Strip Mall	0.778411	8.3900e-003	0.0763	0.0641	4.6000e-004		5.8000e-003	5.8000e-003		5.8000e-003	5.8000e-003	91.5777	91.5777	1.7600e-003	1.6800e-003	92.1219	
Total		0.2439	2.1102	1.0772	0.0133		0.1685	0.1685		0.1685	0.1685	2,660.727	2,660.727	0.0510	0.0488	2,676.538	

6.0 Area Detail

BASASP - New Approved (2035) - San Diego County, Winter

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	728.7455	14.2461	910.7733	1.5832		122.5817	122.5817		122.5817	122.5817	12,830.53 96	5,449.625 3	18,280.16 49	11.9059	1.0092	18,878.56 03
Unmitigated	728.7455	14.2461	910.7733	1.5832		122.5817	122.5817		122.5817	122.5817	12,830.53 96	5,449.625 3	18,280.16 49	11.9059	1.0092	18,878.56 03

BASASP - New Approved (2035) - San Diego County, Winter

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	5.4973					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	15.0679					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	707.0425	13.8077	872.7671	1.5812		122.3703	122.3703		122.3703	122.3703	12,830.53 96	5,380.941 2	18,211.48 08	11.8405	1.0092	18,808.23 94
Landscaping	1.1379	0.4384	38.0062	2.0100e-003		0.2115	0.2115		0.2115	0.2115		68.6842	68.6842	0.0655		70.3209
Total	728.7455	14.2461	910.7733	1.5832		122.5817	122.5817		122.5817	122.5817	12,830.53 96	5,449.625 3	18,280.16 49	11.9059	1.0092	18,878.56 03

BASASP - New Approved (2035) - San Diego 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	5.4973					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	15.0679					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	707.0425	13.8077	872.7671	1.5812		122.3703	122.3703		122.3703	122.3703	12,830.53 96	5,380.941 2	18,211.48 08	11.8405	1.0092	18,808.23 94
Landscaping	1.1379	0.4384	38.0062	2.0100e-003		0.2115	0.2115		0.2115	0.2115		68.6842	68.6842	0.0655		70.3209
Total	728.7455	14.2461	910.7733	1.5832		122.5817	122.5817		122.5817	122.5817	12,830.53 96	5,449.625 3	18,280.16 49	11.9059	1.0092	18,878.56 03

7.0 Water Detail**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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BASASP - New Approved (2035) - San Diego County, Winter

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

BASASP - Existing Proposed (2035) - San Diego County, Winter

BASASP - Existing Proposed (2035)
San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Condo/Townhouse	672.00	Dwelling Unit	42.00	672,000.00	1922
Enclosed Parking with Elevator	0.40	1000sqft	0.01	400.00	0
Gasoline/Service Station	18.00	Pump	0.06	2,541.15	0
General Light Industry	0.00	1000sqft	0.00	0.00	0
Medical Office Building	43.19	1000sqft	0.99	43,192.00	0
Single Family Housing	2.00	Dwelling Unit	0.65	3,600.00	6
Strip Mall	184.59	1000sqft	4.24	184,588.00	0
Unrefrigerated Warehouse-No Rail	308.75	1000sqft	7.09	308,746.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2035
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

BASASP - Existing Proposed (2035) - San Diego County, Winter

Project Characteristics -

Land Use -

Construction Phase - No Construction

Vehicle Trips - KHA2017

Energy Use -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	70.00	0.00
tblConstructionPhase	PhaseEndDate	3/17/2034	12/9/2033
tblEnergyUse	LightingElect	2.63	2.63
tblEnergyUse	T24E	257.40	257.40
tblEnergyUse	T24E	3.92	3.92
tblEnergyUse	T24E	550.61	550.61
tblEnergyUse	T24NG	11,601.59	11,601.59
tblEnergyUse	T24NG	24,260.55	24,260.55
tblVehicleTrips	CC_TL	7.30	18.56
tblVehicleTrips	CC_TL	7.30	18.56
tblVehicleTrips	CC_TL	7.30	18.56
tblVehicleTrips	CC_TL	7.30	18.56
tblVehicleTrips	CC_TL	7.30	18.56
tblVehicleTrips	CC_TLP	0.00	100.00
tblVehicleTrips	CC_TTP	79.00	100.00
tblVehicleTrips	CC_TTP	28.00	100.00
tblVehicleTrips	CC_TTP	51.40	100.00
tblVehicleTrips	CC_TTP	64.40	100.00
tblVehicleTrips	CC_TTP	0.00	100.00

BASASP - Existing Proposed (2035) - San Diego County, Winter

tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TTP	2.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	CW_TTP	29.60	0.00
tblVehicleTrips	CW_TTP	16.60	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	27.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	30.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	HO_TTP	39.60	0.00
tblVehicleTrips	HO_TTP	39.60	0.00
tblVehicleTrips	HS_TTP	18.80	0.00
tblVehicleTrips	HS_TTP	18.80	0.00
tblVehicleTrips	HW_TL	10.80	18.56
tblVehicleTrips	HW_TL	10.80	18.56
tblVehicleTrips	HW_TTP	41.60	100.00
tblVehicleTrips	HW_TTP	41.60	100.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	59.00	0.00

BASASP - Existing Proposed (2035) - San Diego County, Winter

tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	10.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	14.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	60.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	5.67	6.00
tblVehicleTrips	ST_TR	0.00	77.50
tblVehicleTrips	ST_TR	168.56	0.00
tblVehicleTrips	ST_TR	1.32	14.99
tblVehicleTrips	ST_TR	8.96	49.99
tblVehicleTrips	ST_TR	9.91	9.00
tblVehicleTrips	ST_TR	42.04	80.46
tblVehicleTrips	ST_TR	1.68	2.00
tblVehicleTrips	SU_TR	4.84	6.00
tblVehicleTrips	SU_TR	0.00	77.50
tblVehicleTrips	SU_TR	168.56	0.00
tblVehicleTrips	SU_TR	0.68	14.99
tblVehicleTrips	SU_TR	1.55	49.99
tblVehicleTrips	SU_TR	8.62	9.00

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tblVehicleTrips	SU_TR	20.43	80.46
tblVehicleTrips	SU_TR	1.68	2.00
tblVehicleTrips	WD_TR	5.81	6.00
tblVehicleTrips	WD_TR	0.00	77.50
tblVehicleTrips	WD_TR	168.56	0.00
tblVehicleTrips	WD_TR	6.97	14.99
tblVehicleTrips	WD_TR	36.13	49.99
tblVehicleTrips	WD_TR	9.52	9.00
tblVehicleTrips	WD_TR	44.32	80.46
tblVehicleTrips	WD_TR	1.68	2.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

Mitigated Construction

BASASP - Existing Proposed (2035) - San Diego County, Winter

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Area	1,068.355 9	20.7835	1,328.724 4	2.3097		178.8314	178.8314		178.8314	178.8314	18,718.14 65	7,950.363 3	26,668.50 99	17.3694	1.4723	27,541.49 65	
Energy	0.3543	3.0616	1.5385	0.0193		0.2448	0.2448		0.2448	0.2448		3,864.897 1	3,864.897 1	0.0741	0.0709	3,887.864 3	
Mobile	33.7795	150.6367	511.7051	2.4421	310.8762	1.2123	312.0885	83.0557	1.1276	84.1833		250,680.8 106	250,680.8 106	11.4847		250,967.9 289	
Total	1,102.489 7	174.4819	1,841.968 0	4.7711	310.8762	180.2885	491.1647	83.0557	180.2038	263.2595	18,718.14 65	262,496.0 711	281,214.2 176	28.9282	1.5432	282,397.2 896	

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Area	1,068.355 9	20.7835	1,328.724 4	2.3097		178.8314	178.8314		178.8314	178.8314	18,718.14 65	7,950.363 3	26,668.50 99	17.3694	1.4723	27,541.49 65	
Energy	0.3543	3.0616	1.5385	0.0193		0.2448	0.2448		0.2448	0.2448		3,864.897 1	3,864.897 1	0.0741	0.0709	3,887.864 3	
Mobile	33.7795	150.6367	511.7051	2.4421	310.8762	1.2123	312.0885	83.0557	1.1276	84.1833		250,680.8 106	250,680.8 106	11.4847		250,967.9 289	
Total	1,102.489 7	174.4819	1,841.968 0	4.7711	310.8762	180.2885	491.1647	83.0557	180.2038	263.2595	18,718.14 65	262,496.0 711	281,214.2 176	28.9282	1.5432	282,397.2 896	

BASASP - Existing Proposed (2035) - San Diego County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	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	12/10/2033	12/9/2033	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.01

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	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	2	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	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

BASASP - Existing Proposed (2035) - San Diego County, Winter

3.1 Mitigation Measures Construction

3.2 Demolition - 2033

Unmitigated Construction On-Site

Unmitigated Construction Off-Site

BASASP - Existing Proposed (2035) - San Diego County, Winter

3.2 Demolition - 2033**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	
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000								

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

BASASP - Existing Proposed (2035) - San Diego 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	33.7795	150.6367	511.7051	2.4421	310.8762	1.2123	312.0885	83.0557	1.1276	84.1833	250,680.8 106	250,680.8 106	11.4847			250,967.9 289	
Unmitigated	33.7795	150.6367	511.7051	2.4421	310.8762	1.2123	312.0885	83.0557	1.1276	84.1833	250,680.8 106	250,680.8 106	11.4847			250,967.9 289	

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	4,032.00	4,032.00	4032.00	27,239,547	27,239,547
Enclosed Parking with Elevator	31.00	31.00	31.00	209,431	209,431
Gasoline/Service Station	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
Medical Office Building	2,159.17	2,159.17	2159.17	14,586,994	14,586,994
Single Family Housing	18.00	18.00	18.00	121,605	121,605
Strip Mall	14,851.95	14,851.95	14851.95	100,337,401	100,337,401
Unrefrigerated Warehouse-No Rail	617.49	617.49	617.49	4,171,677	4,171,677
Total	21,709.61	21,709.61	21,709.61	146,666,655	146,666,655

4.3 Trip Type Information

BASASP - Existing Proposed (2035) - San Diego 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
Condo/Townhouse	18.56	7.30	7.50	100.00	0.00	0.00	100	0	0
Enclosed Parking with Elevator	9.50	18.56	7.30	0.00	100.00	0.00	100	0	0
Gasoline/Service Station	9.50	18.56	7.30	0.00	100.00	0.00	100	0	0
General Light Industry	9.50	18.56	7.30	0.00	100.00	0.00	100	0	0
Medical Office Building	9.50	18.56	7.30	0.00	100.00	0.00	100	0	0
Single Family Housing	18.56	7.30	7.50	100.00	0.00	0.00	100	0	0
Strip Mall	9.50	18.56	7.30	0.00	100.00	0.00	100	0	0
Unrefrigerated Warehouse-No Rail	9.50	18.56	7.30	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Condo/Townhouse	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Enclosed Parking with Elevator	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Gasoline/Service Station	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
General Light Industry	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Medical Office Building	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Single Family Housing	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Strip Mall	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Unrefrigerated Warehouse-No Rail	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

BASASP - Existing Proposed (2035) - San Diego 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	0.3543	3.0616	1.5385	0.0193		0.2448	0.2448		0.2448	0.2448	3,864.897 1	3,864.897 1	0.0741	0.0709	3,887.864 3		
NaturalGas Unmitigated	0.3543	3.0616	1.5385	0.0193		0.2448	0.2448		0.2448	0.2448	3,864.897 1	3,864.897 1	0.0741	0.0709	3,887.864 3		

BASASP - Existing Proposed (2035) - San Diego 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					
Condo/Townhouse	26885.8	0.2900	2.4777	1.0544	0.0158		0.2003	0.2003		0.2003	0.2003	3,163.038	3,163.038	0.0606	0.0580	3,181.834	5
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Gasoline/Service Station	85.5637	9.2000e-004	8.3900e-003	7.0500e-003	5.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	10.0663	10.0663	1.9000e-004	1.8000e-004	10.1261	
General Light Industry	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
Medical Office Building	2787.95	0.0301	0.2733	0.2296	1.6400e-003		0.0208	0.0208		0.0208	0.0208	327.9947	327.9947	6.2900e-003	6.0100e-003	329.9438	
Single Family Housing	164.819	1.7800e-003	0.0152	6.4600e-003	1.0000e-004		1.2300e-003	1.2300e-003		1.2300e-003	1.2300e-003	19.3905	19.3905	3.7000e-004	3.6000e-004	19.5058	
Strip Mall	1218.79	0.0131	0.1195	0.1004	7.2000e-004		9.0800e-003	9.0800e-003		9.0800e-003	9.0800e-003	143.3867	143.3867	2.7500e-003	2.6300e-003	144.2387	
Unrefrigerated Warehouse-No Rail	1708.68	0.0184	0.1675	0.1407	1.0100e-003		0.0127	0.0127		0.0127	0.0127	201.0208	201.0208	3.8500e-003	3.6900e-003	202.2153	
Total		0.3543	3.0616	1.5385	0.0193		0.2448	0.2448		0.2448	0.2448	3,864.897	3,864.897	0.0741	0.0709	3,887.864	3

BASASP - Existing Proposed (2035) - San Diego 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					
Condo/Townhouse	26.8858	0.2900	2.4777	1.0544	0.0158		0.2003	0.2003		0.2003	0.2003	3,163.038	3,163.038	0.0606	0.0580	3,181.834	5
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Gasoline/Service Station	0.0855637	9.2000e-004	8.3900e-003	7.0500e-003	5.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	10.0663	10.0663	1.9000e-004	1.8000e-004	10.1261	
General Light Industry	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
Medical Office Building	2.78795	0.0301	0.2733	0.2296	1.6400e-003		0.0208	0.0208		0.0208	0.0208	327.9947	327.9947	6.2900e-003	6.0100e-003	329.9438	
Single Family Housing	0.164819	1.7800e-003	0.0152	6.4600e-003	1.0000e-004		1.2300e-003	1.2300e-003		1.2300e-003	1.2300e-003	19.3905	19.3905	3.7000e-004	3.6000e-004	19.5058	
Strip Mall	1.21879	0.0131	0.1195	0.1004	7.2000e-004		9.0800e-003	9.0800e-003		9.0800e-003	9.0800e-003	143.3867	143.3867	2.7500e-003	2.6300e-003	144.2387	
Unrefrigerated Warehouse-No Rail	1.70868	0.0184	0.1675	0.1407	1.0100e-003		0.0127	0.0127		0.0127	0.0127	201.0208	201.0208	3.8500e-003	3.6900e-003	202.2153	
Total		0.3543	3.0616	1.5385	0.0193		0.2448	0.2448		0.2448	0.2448	3,864.897	3,864.897	0.0741	0.0709	3,887.864	3

6.0 Area Detail**6.1 Mitigation Measures Area**

BASASP - Existing Proposed (2035) - San Diego County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Mitigated	1,068.355 9	20.7835	1,328.724 4	2.3097		178.8314	178.8314		178.8314	178.8314	18,718.14 65	7,950.363 3	26,668.50 99	17.3694	1.4723	27,541.49 65	
Unmitigated	1,068.355 9	20.7835	1,328.724 4	2.3097		178.8314	178.8314		178.8314	178.8314	18,718.14 65	7,950.363 3	26,668.50 99	17.3694	1.4723	27,541.49 65	

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	9.2137					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.9940					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1,031.486 2	20.1437	1,273.257 7	2.3068		178.5229	178.5229		178.5229	178.5229	18,718.14 65	7,850.117 7	26,568.26 42	17.2737	1.4723	27,438.86 01
Landscaping	1.6619	0.6398	55.4667	2.9400e-003		0.3086	0.3086		0.3086	0.3086		100.2457	100.2457	0.0956		102.6363
Total	1,068.355 9	20.7835	1,328.724 4	2.3097		178.8314	178.8314		178.8314	178.8314	18,718.14 65	7,950.363 4	26,668.50 99	17.3694	1.4723	27,541.49 65

BASASP - Existing Proposed (2035) - San Diego 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	9.2137					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.9940					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1,031.486 2	20.1437	1,273.257 7	2.3068		178.5229	178.5229		178.5229	178.5229	18,718.14 65	7,850.117 7	26,568.26 42	17.2737	1.4723	27,438.86 01
Landscaping	1.6619	0.6398	55.4667	2.9400e-003		0.3086	0.3086		0.3086	0.3086		100.2457	100.2457	0.0956		102.6363
Total	1,068.355 9	20.7835	1,328.724 4	2.3097		178.8314	178.8314		178.8314	178.8314	18,718.14 65	7,950.363 4	26,668.50 99	17.3694	1.4723	27,541.49 65

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

BASASP - Existing Proposed (2035) - San Diego County, Winter

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

BASASP - New Proposed (2035) - San Diego County, Winter

BASASP - New Proposed (2035)
San Diego County, Winter

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	114.70	1000sqft	2.63	114,698.00	0
Condo/Townhouse	4,055.00	Dwelling Unit	253.44	4,055,000.00	11597
Strip Mall	383.58	1000sqft	8.81	383,577.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2035
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Vehicle Trips - KHA2017

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblVehicleTrips	CC_TL	7.30	18.56

BASASP - New Proposed (2035) - San Diego County, Winter

tblVehicleTrips	CC_TL	7.30	18.56
tblVehicleTrips	CC_TTP	28.00	100.00
tblVehicleTrips	CC_TTP	64.40	100.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	CW_TTP	16.60	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	HO_TTP	39.60	0.00
tblVehicleTrips	HS_TTP	18.80	0.00
tblVehicleTrips	HW_TL	10.80	18.56
tblVehicleTrips	HW_TTP	41.60	100.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	ST_TR	5.67	0.33
tblVehicleTrips	ST_TR	1.32	14.99
tblVehicleTrips	ST_TR	42.04	80.46

BASASP - New Proposed (2035) - San Diego County, Winter

tblVehicleTrips	SU_TR	4.84	0.33
tblVehicleTrips	SU_TR	0.68	14.99
tblVehicleTrips	SU_TR	20.43	80.46
tblVehicleTrips	WD_TR	5.81	0.33
tblVehicleTrips	WD_TR	6.97	14.99
tblVehicleTrips	WD_TR	44.32	80.46

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.3745	33.2427	22.1541	0.0400	0.1232	1.6596	1.7828	0.0327	1.5427	1.5753	0.0000	3,866.374	3,866.374	1.0615	0.0000	3,892.912
2021	4.2696	46.4503	31.3771	0.0636	18.2141	2.0455	20.2596	9.9699	1.8819	11.8517	0.0000	6,159.953	6,159.953	1.9472	0.0000	6,208.632
2022	3.6992	38.8895	29.5042	0.0636	8.8376	1.6360	10.4736	3.6401	1.5051	5.1452	0.0000	6,158.715	6,158.715	1.9482	0.0000	6,207.421
2023	13.6613	59.7160	95.2534	0.3773	28.8782	1.4256	29.7946	7.7387	1.3115	8.5984	0.0000	38,566.30	38,566.30	2.1794	0.0000	38,620.79
2024	13.0024	57.6958	90.3651	0.3677	28.8782	0.8256	29.7037	7.7387	0.7740	8.5127	0.0000	37,616.70	37,616.70	2.1163	0.0000	37,669.60
2025	12.4138	55.7027	85.8919	0.3581	28.8781	0.7357	29.6138	7.7387	0.6894	8.4281	0.0000	36,683.29	36,683.29	2.0611	0.0000	36,734.82
2026	11.9917	54.7820	82.2194	0.3498	28.8781	0.7292	29.6073	7.7387	0.6834	8.4221	0.0000	35,865.67	35,865.67	2.0171	0.0000	35,916.10
2027	11.5698	53.9263	78.9728	0.3425	28.8781	0.7195	29.5977	7.7387	0.6744	8.4131	0.0000	35,142.06	35,142.06	1.9789	0.0000	35,191.53

BASASP - New Proposed (2035) - San Diego 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	
Year	lb/day											lb/day					
2028	11.1238	53.1977	76.2010	0.3360	28.8781	0.7076	29.5857	7.7387	0.6634	8.4021	0.0000	34,510.30 01	34,510.30 01	1.9459	0.0000	34,558.94 64	
2029	10.6395	52.4795	73.5519	0.3303	28.8781	0.6966	29.5747	7.7387	0.6532	8.3919	0.0000	33,948.84 97	33,948.84 97	1.9169	0.0000	33,996.77 24	
2030	10.0533	47.3038	71.1424	0.3293	28.8781	0.3072	29.1853	7.7387	0.2959	8.0345	0.0000	33,799.88 80	33,799.88 80	1.4054	0.0000	33,835.02 34	
2031	9.4945	46.7326	68.7898	0.3249	28.8781	0.2981	29.1762	7.7387	0.2875	8.0262	0.0000	33,372.67 73	33,372.67 73	1.3811	0.0000	33,407.20 47	
2032	8.9998	46.2378	66.7812	0.3212	28.8781	0.2899	29.1680	7.7387	0.2799	8.0186	0.0000	33,006.71 05	33,006.71 05	1.3611	0.0000	33,040.73 78	
2033	8.5688	45.8031	65.0533	0.3180	28.8781	0.2825	29.1606	7.7387	0.2731	8.0117	0.0000	32,692.89 53	32,692.89 53	1.3440	0.0000	32,726.49 59	
2034	8.1978	45.4297	63.3878	0.3153	28.8782	0.2755	29.1537	7.7387	0.2667	8.0054	0.0000	32,424.80 26	32,424.80 26	1.3284	0.0000	32,458.01 32	
2035	7.7872	44.3518	61.9188	0.3130	28.8782	0.2117	29.0899	7.7387	0.2033	7.9420	0.0000	32,199.55 15	32,199.55 15	1.3061	0.0000	32,232.20 51	
2036	7.7872	44.3518	61.9188	0.3130	28.8782	0.2117	29.0899	7.7387	0.2033	7.9420	0.0000	32,199.55 15	32,199.55 15	1.3061	0.0000	32,232.20 51	
2037	7.7872	44.3518	61.9188	0.3130	28.8782	0.2117	29.0899	7.7387	0.2033	7.9420	0.0000	32,199.55 15	32,199.55 15	1.3061	0.0000	32,232.20 51	
2038	7.7872	44.3518	61.9188	0.3130	28.8782	0.2117	29.0899	7.7387	0.2033	7.9420	0.0000	32,199.55 15	32,199.55 15	1.3061	0.0000	32,232.20 51	
2039	7.7872	44.3518	61.9188	0.3130	28.8782	0.2117	29.0899	7.7387	0.2033	7.9420	0.0000	32,199.55 15	32,199.55 15	1.3061	0.0000	32,232.20 51	
2040	6.5833	43.1077	57.3230	0.3064	28.8782	0.1748	29.0530	7.7387	0.1679	7.9067	0.0000	31,554.07 42	31,554.07 42	1.2519	0.0000	31,585.37 22	
2041	6.5833	43.1077	57.3230	0.3064	28.8782	0.1748	29.0530	7.7387	0.1679	7.9067	0.0000	31,554.07 42	31,554.07 42	1.2519	0.0000	31,585.37 22	
2042	420.4363	3.6694	15.9628	0.0334	5.0767	0.1167	5.0972	1.3466	0.1167	1.3660	0.0000	3,315.684 7	3,315.684 7	0.0905	0.0000	3,317.132 8	
2043	420.4363	1.2534	7.7734	0.0334	5.0767	0.0205	5.0972	1.3466	0.0194	1.3660	0.0000	3,315.684 7	3,315.684 7	0.0579	0.0000	3,317.132 8	
Maximum	420.4363	59.7160	95.2534	0.3773	28.8782	2.0455	29.7946	9.9699	1.8819	11.8517	0.0000	38,566.30 69	38,566.30 69	2.1794	0.0000	38,620.79 06	

BASASP - New Proposed (2035) - San Diego County, Winter

2.1 Overall Construction (Maximum Daily Emission)**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Year	lb/day											lb/day					
2020	3.3745	33.2427	22.1541	0.0400	0.1232	1.6596	1.7828	0.0327	1.5427	1.5753	0.0000	3,866.374 7	3,866.374 7	1.0615	0.0000	3,892.912 7	
2021	4.2696	46.4503	31.3771	0.0636	18.2141	2.0455	20.2596	9.9699	1.8819	11.8517	0.0000	6,159.952 9	6,159.952 9	1.9472	0.0000	6,208.632 8	
2022	3.6992	38.8895	29.5042	0.0636	8.8376	1.6360	10.4736	3.6401	1.5051	5.1452	0.0000	6,158.715 7	6,158.715 7	1.9482	0.0000	6,207.421 5	
2023	13.6613	59.7160	95.2534	0.3773	28.8782	1.4256	29.7946	7.7387	1.3115	8.5984	0.0000	38,566.30 69	38,566.30 69	2.1794	0.0000	38,620.79 06	
2024	13.0024	57.6958	90.3651	0.3677	28.8782	0.8256	29.7037	7.7387	0.7740	8.5127	0.0000	37,616.70 18	37,616.70 18	2.1163	0.0000	37,669.60 94	
2025	12.4138	55.7027	85.8919	0.3581	28.8781	0.7357	29.6138	7.7387	0.6894	8.4281	0.0000	36,683.29 77	36,683.29 77	2.0611	0.0000	36,734.82 38	
2026	11.9917	54.7820	82.2194	0.3498	28.8781	0.7292	29.6073	7.7387	0.6834	8.4221	0.0000	35,865.67 70	35,865.67 70	2.0171	0.0000	35,916.10 33	
2027	11.5698	53.9263	78.9728	0.3425	28.8781	0.7195	29.5977	7.7387	0.6744	8.4131	0.0000	35,142.06 64	35,142.06 64	1.9789	0.0000	35,191.53 75	
2028	11.1238	53.1977	76.2010	0.3360	28.8781	0.7076	29.5857	7.7387	0.6634	8.4021	0.0000	34,510.30 01	34,510.30 01	1.9459	0.0000	34,558.94 64	
2029	10.6395	52.4795	73.5519	0.3303	28.8781	0.6966	29.5747	7.7387	0.6532	8.3919	0.0000	33,948.84 97	33,948.84 97	1.9169	0.0000	33,996.77 24	
2030	10.0533	47.3038	71.1424	0.3293	28.8781	0.3072	29.1853	7.7387	0.2959	8.0345	0.0000	33,799.88 80	33,799.88 80	1.4054	0.0000	33,835.02 34	
2031	9.4945	46.7326	68.7898	0.3249	28.8781	0.2981	29.1762	7.7387	0.2875	8.0262	0.0000	33,372.67 73	33,372.67 73	1.3811	0.0000	33,407.20 47	
2032	8.9998	46.2378	66.7812	0.3212	28.8781	0.2899	29.1680	7.7387	0.2799	8.0186	0.0000	33,006.71 05	33,006.71 05	1.3611	0.0000	33,040.73 78	
2033	8.5688	45.8031	65.0533	0.3180	28.8781	0.2825	29.1606	7.7387	0.2731	8.0117	0.0000	32,692.89 53	32,692.89 53	1.3440	0.0000	32,726.49 59	
2034	8.1978	45.4297	63.3878	0.3153	28.8782	0.2755	29.1537	7.7387	0.2667	8.0054	0.0000	32,424.80 26	32,424.80 26	1.3284	0.0000	32,458.01 32	

BASASP - New Proposed (2035) - San Diego 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	
Year	lb/day										lb/day						
2035	7.7872	44.3518	61.9188	0.3130	28.8782	0.2117	29.0899	7.7387	0.2033	7.9420	0.0000	32,199.55	32,199.55	1.3061	0.0000	32,232.20	
2036	7.7872	44.3518	61.9188	0.3130	28.8782	0.2117	29.0899	7.7387	0.2033	7.9420	0.0000	32,199.55	32,199.55	1.3061	0.0000	32,232.20	
2037	7.7872	44.3518	61.9188	0.3130	28.8782	0.2117	29.0899	7.7387	0.2033	7.9420	0.0000	32,199.55	32,199.55	1.3061	0.0000	32,232.20	
2038	7.7872	44.3518	61.9188	0.3130	28.8782	0.2117	29.0899	7.7387	0.2033	7.9420	0.0000	32,199.55	32,199.55	1.3061	0.0000	32,232.20	
2039	7.7872	44.3518	61.9188	0.3130	28.8782	0.2117	29.0899	7.7387	0.2033	7.9420	0.0000	32,199.55	32,199.55	1.3061	0.0000	32,232.20	
2040	6.5833	43.1077	57.3230	0.3064	28.8782	0.1748	29.0530	7.7387	0.1679	7.9067	0.0000	31,554.07	31,554.07	1.2519	0.0000	31,585.37	
2041	6.5833	43.1077	57.3230	0.3064	28.8782	0.1748	29.0530	7.7387	0.1679	7.9067	0.0000	31,554.07	31,554.07	1.2519	0.0000	31,585.37	
2042	420.4363	3.6694	15.9628	0.0334	5.0767	0.1167	5.0972	1.3466	0.1167	1.3660	0.0000	3,315.684	3,315.684	0.0905	0.0000	3,317.132	
2043	420.4363	1.2534	7.7734	0.0334	5.0767	0.0205	5.0972	1.3466	0.0194	1.3660	0.0000	3,315.684	3,315.684	0.0579	0.0000	3,317.132	
Maximum	420.4363	59.7160	95.2534	0.3773	28.8782	2.0455	29.7946	9.9699	1.8819	11.8517	0.0000	38,566.30	38,566.30	2.1794	0.0000	38,620.79	

BASASP - New Proposed (2035) - San Diego 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	6,351.085 3	125.0377	7,993.743 6	13.8960		1,075.906 2	1,075.906 2		1,075.906 2	1,075.9062	112,614.3 681	47,831.31 22	160,445.6 803	104.4981	8.8580	165,697.8 075	
Energy	1.7877	15.3114	6.7583	0.0975		1.2351	1.2351		1.2351	1.2351		19,501.60 91	19,501.60 91	0.3738	0.3575	19,617.49 75	
Mobile	52.7787	235.3617	799.5112	3.8156	485.7270	1.8942	487.6212	129.7699	1.7618	131.5318		391,675.0 480	391,675.0 480	17.9443		392,123.6 547	
Total	6,405.651 6	375.7108	8,800.013 1	17.8092	485.7270	1,079.035 4	1,564.762 4	129.7699	1,078.903 1	1,208.6730	112,614.3 681	459,007.9 693	571,622.3 374	122.8161	9.2155	577,438.9 596	

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	6,351.085 3	125.0377	7,993.743 6	13.8960		1,075.906 2	1,075.906 2		1,075.906 2	1,075.9062	112,614.3 681	47,831.31 22	160,445.6 803	104.4981	8.8580	165,697.8 075	
Energy	1.7877	15.3114	6.7583	0.0975		1.2351	1.2351		1.2351	1.2351		19,501.60 91	19,501.60 91	0.3738	0.3575	19,617.49 75	
Mobile	52.7787	235.3617	799.5112	3.8156	485.7270	1.8942	487.6212	129.7699	1.7618	131.5318		391,675.0 480	391,675.0 480	17.9443		392,123.6 547	
Total	6,405.651 6	375.7108	8,800.013 1	17.8092	485.7270	1,079.035 4	1,564.762 4	129.7699	1,078.903 1	1,208.6730	112,614.3 681	459,007.9 693	571,622.3 374	122.8161	9.2155	577,438.9 596	

BASASP - New Proposed (2035) - San Diego County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	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	1/1/2020	2/23/2021	5	300	
2	Site Preparation	Site Preparation	2/24/2021	11/2/2021	5	180	
3	Grading	Grading	11/3/2021	8/15/2023	5	465	
4	Building Construction	Building Construction	8/16/2023	6/11/2041	5	4650	
5	Paving	Paving	6/12/2041	9/16/2042	5	330	
6	Architectural Coating	Architectural Coating	9/17/2042	12/22/2043	5	330	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1162.5

Acres of Paving: 0

Residential Indoor: 8,211,375; Residential Outdoor: 2,737,125; Non-Residential Indoor: 747,413; Non-Residential Outdoor: 249,138; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

BASASP - New Proposed (2035) - San Diego 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	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

BASASP - New Proposed (2035) - San Diego 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	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	3,091.00	515.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	618.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction**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					
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	3,747.704 9	3,747.704 9	1.0580		3,774.153 6	
Total	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	3,747.704 9	3,747.704 9	1.0580		3,774.153 6	

BASASP - New Proposed (2035) - San Diego 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	0.0000	0.0000	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	0.0623	0.0416	0.4009	1.1900e-003	0.1232	8.6000e-004	0.1241	0.0327	8.0000e-004	0.0335		118.6698	118.6698	3.5700e-003		118.7591	
Total	0.0623	0.0416	0.4009	1.1900e-003	0.1232	8.6000e-004	0.1241	0.0327	8.0000e-004	0.0335		118.6698	118.6698	3.5700e-003		118.7591	

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	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536	
Total	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536	

BASASP - New Proposed (2035) - San Diego 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	0.0000	0.0000	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	0.0623	0.0416	0.4009	1.1900e-003	0.1232	8.6000e-004	0.1241	0.0327	8.0000e-004	0.0335		118.6698	118.6698	3.5700e-003		118.7591	
Total	0.0623	0.0416	0.4009	1.1900e-003	0.1232	8.6000e-004	0.1241	0.0327	8.0000e-004	0.0335		118.6698	118.6698	3.5700e-003		118.7591	

3.2 Demolition - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.944 9	3,747.944 9	1.0549		3,774.317 4	
Total	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.944 9	3,747.944 9	1.0549		3,774.317 4	

BASASP - New Proposed (2035) - San Diego County, Winter

3.2 Demolition - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Worker	0.0588	0.0378	0.3740	1.1500e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		114.6821	114.6821	3.2900e-003		114.7645	
Total	0.0588	0.0378	0.3740	1.1500e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		114.6821	114.6821	3.2900e-003		114.7645	

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	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174	
Total	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174	

BASASP - New Proposed (2035) - San Diego County, Winter

3.2 Demolition - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Worker	0.0588	0.0378	0.3740	1.1500e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		114.6821	114.6821	3.2900e-003		114.7645	
Total	0.0588	0.0378	0.3740	1.1500e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		114.6821	114.6821	3.2900e-003		114.7645	

3.3 Site Preparation - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307		0.0000				0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	3,685.656 9	3,685.656 9	1.1920			3,715.457 3
Total	3.8882	40.4971	21.1543	0.0380	18.0663	2.0445	20.1107	9.9307	1.8809	11.8116		3,685.656 9	3,685.656 9	1.1920		3,715.457 3

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3.3 Site Preparation - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0706	0.0454	0.4488	1.3800e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402	137.6186	137.6186	3.9500e-003			137.7174	
Total	0.0706	0.0454	0.4488	1.3800e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		137.6186	137.6186	3.9500e-003		137.7174	

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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307	0.0000	0.0000	3,685.6569	3,685.6569	1.1920	3,715.4573
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000					
Total	3.8882	40.4971	21.1543	0.0380	18.0663	2.0445	20.1107	9.9307	1.8809	11.8116	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573

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3.3 Site Preparation - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Worker	0.0706	0.0454	0.4488	1.3800e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		137.6186	137.6186	3.9500e-003		137.7174	
Total	0.0706	0.0454	0.4488	1.3800e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		137.6186	137.6186	3.9500e-003		137.7174	

3.4 Grading - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965		0.0000				0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.043 4	6,007.043 4	1.9428		6,055.613 4
Total	4.1912	46.3998	30.8785	0.0620	8.6733	1.9853	10.6587	3.5965	1.8265	5.4230		6,007.043 4	6,007.043 4	1.9428		6,055.613 4

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3.4 Grading - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0785	0.0505	0.4987	1.5300e-003	0.1643	1.1300e-003	0.1654	0.0436	1.0500e-003	0.0446	152.9095	152.9095	4.3900e-003			153.0193	
Total	0.0785	0.0505	0.4987	1.5300e-003	0.1643	1.1300e-003	0.1654	0.0436	1.0500e-003	0.0446		152.9095	152.9095	4.3900e-003		153.0193	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.043 4	6,007.043 4	1.9428		6,055.613 4
Total	4.1912	46.3998	30.8785	0.0620	8.6733	1.9853	10.6587	3.5965	1.8265	5.4230	0.0000	6,007.043 4	6,007.043 4	1.9428		6,055.613 4

BASASP - New Proposed (2035) - San Diego County, Winter

3.4 Grading - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Worker	0.0785	0.0505	0.4987	1.5300e-003	0.1643	1.1300e-003	0.1654	0.0436	1.0500e-003	0.0446		152.9095	152.9095	4.3900e-003		153.0193	
Total	0.0785	0.0505	0.4987	1.5300e-003	0.1643	1.1300e-003	0.1654	0.0436	1.0500e-003	0.0446		152.9095	152.9095	4.3900e-003		153.0193	

3.4 Grading - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965		0.0000				0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	8.6733	1.6349	10.3082	3.5965	1.5041	5.1006		6,011.4105	6,011.4105	1.9442		6,060.0158

BASASP - New Proposed (2035) - San Diego County, Winter

3.4 Grading - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	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	0.0743	0.0460	0.4627	1.4800e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446	147.3051	147.3051	4.0200e-003			147.4057	
Total	0.0743	0.0460	0.4627	1.4800e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446		147.3051	147.3051	4.0200e-003		147.4057	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965	0.0000	0.0000	6,011.4105	6,011.4105	1.9442	6,060.0158
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105			
Total	3.6248	38.8435	29.0415	0.0621	8.6733	1.6349	10.3082	3.5965	1.5041	5.1006	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158

BASASP - New Proposed (2035) - San Diego County, Winter

3.4 Grading - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	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	0.0743	0.0460	0.4627	1.4800e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446		147.3051	147.3051	4.0200e-003		147.4057	
Total	0.0743	0.0460	0.4627	1.4800e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446		147.3051	147.3051	4.0200e-003		147.4057	

3.4 Grading - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965		0.0000				0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	3.3217	34.5156	28.0512	0.0621	8.6733	1.4245	10.0978	3.5965	1.3105	4.9070		6,011.4777	6,011.4777	1.9442		6,060.0836

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3.4 Grading - 2023**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	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	0.0706	0.0420	0.4289	1.4200e-003	0.1643	1.0900e-003	0.1654	0.0436	1.0000e-003	0.0446	141.6792	141.6792	3.6800e-003	141.7711			
Total	0.0706	0.0420	0.4289	1.4200e-003	0.1643	1.0900e-003	0.1654	0.0436	1.0000e-003	0.0446		141.6792	141.6792	3.6800e-003		141.7711	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	3.3217	34.5156	28.0512	0.0621	8.6733	1.4245	10.0978	3.5965	1.3105	4.9070	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836

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3.4 Grading - 2023**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	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	0.0706	0.0420	0.4289	1.4200e-003	0.1643	1.0900e-003	0.1654	0.0436	1.0000e-003	0.0446	141.6792	141.6792	3.6800e-003	141.7711			
Total	0.0706	0.0420	0.4289	1.4200e-003	0.1643	1.0900e-003	0.1654	0.0436	1.0000e-003	0.0446		141.6792	141.6792	3.6800e-003		141.7711	

3.5 Building Construction - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	2,555.209 9	2,555.209 9	0.6079			2,570.406 1
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	2,555.209 9	2,555.209 9	0.6079			2,570.406 1

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3.5 Building Construction - 2023**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	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	1.1788	38.8419	12.7266	0.1308	3.4863	0.0485	3.5349	1.0036	0.0464	1.0500	14,114.57 03	14,114.57 03	1.0034		14,139.65 48		
Worker	10.9098	6.4893	66.2828	0.2196	25.3918	0.1682	25.5600	6.7351	0.1549	6.8900	21,896.52 67	21,896.52 67	0.5681		21,910.72 98		
Total	12.0885	45.3312	79.0094	0.3504	28.8782	0.2167	29.0949	7.7387	0.2013	7.9400	36,011.09 70	36,011.09 70	1.5715		36,050.38 46		

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.209 9	2,555.209 9	0.6079		2,570.406 1	
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.209 9	2,555.209 9	0.6079		2,570.406 1	

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3.5 Building Construction - 2023**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	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	1.1788	38.8419	12.7266	0.1308	3.4863	0.0485	3.5349	1.0036	0.0464	1.0500	14,114.57 03	14,114.57 03	1.0034		14,139.65 48		
Worker	10.9098	6.4893	66.2828	0.2196	25.3918	0.1682	25.5600	6.7351	0.1549	6.8900	21,896.52 67	21,896.52 67	0.5681		21,910.72 98		
Total	12.0885	45.3312	79.0094	0.3504	28.8782	0.2167	29.0949	7.7387	0.2013	7.9400	36,011.09 70	36,011.09 70	1.5715		36,050.38 46		

3.5 Building Construction - 2024**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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	2,555.698 9	2,555.698 9	0.6044		2,570.807 7		
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	2,555.698 9	2,555.698 9	0.6044		2,570.807 7		

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3.5 Building Construction - 2024**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	1.1365	38.3005	12.3221	0.1298	3.4863	0.0471	3.5335	1.0036	0.0450	1.0487	14,026.37 91	14,026.37 91	0.9903	14,051.13 60			
Worker	10.3943	5.9516	61.8762	0.2110	25.3918	0.1651	25.5570	6.7351	0.1520	6.8871	21,034.62 39	21,034.62 39	0.5217	21,047.66 57			
Total	11.5308	44.2521	74.1983	0.3407	28.8782	0.2123	29.0904	7.7387	0.1971	7.9358	35,061.00 29	35,061.00 29	1.5120			35,098.80 17	

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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000 9	2,555.698 9	2,555.698 9	0.6044		2,570.807 7	
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.698 9	2,555.698 9	0.6044		2,570.807 7	

BASASP - New Proposed (2035) - San Diego County, Winter

3.5 Building Construction - 2024**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	1.1365	38.3005	12.3221	0.1298	3.4863	0.0471	3.5335	1.0036	0.0450	1.0487	14,026.37 91	14,026.37 91	0.9903		14,051.13 60		
Worker	10.3943	5.9516	61.8762	0.2110	25.3918	0.1651	25.5570	6.7351	0.1520	6.8871	21,034.62 39	21,034.62 39	0.5217		21,047.66 57		
Total	11.5308	44.2521	74.1983	0.3407	28.8782	0.2123	29.0904	7.7387	0.1971	7.9358	35,061.00 29	35,061.00 29	1.5120		35,098.80 17		

3.5 Building Construction - 2025**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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	2,556.474 4	2,556.474 4	0.6010		2,571.498 1	
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	2,556.474 4	2,556.474 4	0.6010		2,571.498 1	

BASASP - New Proposed (2035) - San Diego County, Winter

3.5 Building Construction - 2025**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	1.1025	37.7463	12.0701	0.1288	3.4863	0.0456	3.5319	1.0036	0.0436	1.0472	13,942.42 39	13,942.42 39	0.9788		13,966.89 36		
Worker	9.9439	5.4867	57.7372	0.2024	25.3918	0.1625	25.5544	6.7351	0.1496	6.8847	20,184.39 94	20,184.39 94	0.4813		20,196.43 22		
Total	11.0464	43.2330	69.8073	0.3312	28.8781	0.2081	29.0863	7.7387	0.1932	7.9319	34,126.82 33	34,126.82 33	1.4601		34,163.32 58		

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000 4	2,556.474 4	2,556.474 4	0.6010		2,571.498 1	
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1	

BASASP - New Proposed (2035) - San Diego County, Winter

3.5 Building Construction - 2025**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	1.1025	37.7463	12.0701	0.1288	3.4863	0.0456	3.5319	1.0036	0.0436	1.0472	13,942.42 39	13,942.42 39	0.9788		13,966.89 36		
Worker	9.9439	5.4867	57.7372	0.2024	25.3918	0.1625	25.5544	6.7351	0.1496	6.8847	20,184.39 94	20,184.39 94	0.4813		20,196.43 22		
Total	11.0464	43.2330	69.8073	0.3312	28.8781	0.2081	29.0863	7.7387	0.1932	7.9319	34,126.82 33	34,126.82 33	1.4601		34,163.32 58		

3.5 Building Construction - 2026**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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	2,556.474 4	2,556.474 4	0.6010		2,571.498 1		
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	2,556.474 4	2,556.474 4	0.6010		2,571.498 1		

BASASP - New Proposed (2035) - San Diego County, Winter

3.5 Building Construction - 2026**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	1.0739	37.2095	11.8926	0.1279	3.4863	0.0441	3.5304	1.0036	0.0422	1.0458	13,863.97 79	13,863.97 79	0.9678			13,888.17 37	
Worker	9.5504	5.1028	54.2422	0.1950	25.3918	0.1575	25.5493	6.7351	0.1449	6.8800	19,445.22 47	19,445.22 47	0.4483			19,456.43 16	
Total	10.6243	42.3123	66.1348	0.3229	28.8781	0.2016	29.0797	7.7387	0.1871	7.9258	33,309.20 27	33,309.20 27	1.4161			33,344.60 53	

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000 4	2,556.474 4	2,556.474 4	0.6010		2,571.498 1	
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1	

BASASP - New Proposed (2035) - San Diego County, Winter

3.5 Building Construction - 2026**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	1.0739	37.2095	11.8926	0.1279	3.4863	0.0441	3.5304	1.0036	0.0422	1.0458	13,863.97 79	13,863.97 79	0.9678			13,888.17 37	
Worker	9.5504	5.1028	54.2422	0.1950	25.3918	0.1575	25.5493	6.7351	0.1449	6.8800	19,445.22 47	19,445.22 47	0.4483			19,456.43 16	
Total	10.6243	42.3123	66.1348	0.3229	28.8781	0.2016	29.0797	7.7387	0.1871	7.9258	33,309.20 27	33,309.20 27	1.4161			33,344.60 53	

3.5 Building Construction - 2027**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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	2,556.474 4	2,556.474 4	0.6010			2,571.498 1	
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	2,556.474 4	2,556.474 4	0.6010			2,571.498 1	

BASASP - New Proposed (2035) - San Diego County, Winter

3.5 Building Construction - 2027**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	1.0499	36.6938	11.7425	0.1271	3.4863	0.0430	3.5293	1.0036	0.0411	1.0447	13,791.83 22	13,791.83 22	0.9584		13,815.79 15		
Worker	9.1525	4.7628	51.1456	0.1884	25.3918	0.1490	25.5408	6.7351	0.1371	6.8722	18,793.75 98	18,793.75 98	0.4195		18,804.24 80		
Total	10.2024	41.4566	62.8881	0.3155	28.8781	0.1920	29.0701	7.7387	0.1782	7.9169	32,585.59 20	32,585.59 20	1.3779		32,620.03 94		

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000 4	2,556.474 4	2,556.474 4	0.6010		2,571.498 1	
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1	

BASASP - New Proposed (2035) - San Diego County, Winter

3.5 Building Construction - 2027**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	1.0499	36.6938	11.7425	0.1271	3.4863	0.0430	3.5293	1.0036	0.0411	1.0447	13,791.83 22	13,791.83 22	0.9584		13,815.79 15		
Worker	9.1525	4.7628	51.1456	0.1884	25.3918	0.1490	25.5408	6.7351	0.1371	6.8722	18,793.75 98	18,793.75 98	0.4195		18,804.24 80		
Total	10.2024	41.4566	62.8881	0.3155	28.8781	0.1920	29.0701	7.7387	0.1782	7.9169	32,585.59 20	32,585.59 20	1.3779		32,620.03 94		

3.5 Building Construction - 2028**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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	2,556.474 4	2,556.474 4	0.6010		2,571.498 1		
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	2,556.474 4	2,556.474 4	0.6010		2,571.498 1		

BASASP - New Proposed (2035) - San Diego County, Winter

3.5 Building Construction - 2028**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	1.0311	36.2660	11.6625	0.1264	3.4863	0.0420	3.5283	1.0036	0.0401	1.0437	13,731.76 23	13,731.76 23	0.9497		13,755.50 43		
Worker	8.7254	4.4620	48.4538	0.1827	25.3918	0.1380	25.5298	6.7351	0.1270	6.8621	18,222.06 34	18,222.06 34	0.3952		18,231.94 40		
Total	9.7564	40.7280	60.1163	0.3091	28.8781	0.1800	29.0581	7.7387	0.1671	7.9058	31,953.82 57	31,953.82 57	1.3449		31,987.44 83		

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000 4	2,556.474 4	2,556.474 4	0.6010		2,571.498 1	
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1	

BASASP - New Proposed (2035) - San Diego County, Winter

3.5 Building Construction - 2028**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	1.0311	36.2660	11.6625	0.1264	3.4863	0.0420	3.5283	1.0036	0.0401	1.0437		13,731.76 23	13,731.76 23	0.9497		13,755.50 43	
Worker	8.7254	4.4620	48.4538	0.1827	25.3918	0.1380	25.5298	6.7351	0.1270	6.8621		18,222.06 34	18,222.06 34	0.3952		18,231.94 40	
Total	9.7564	40.7280	60.1163	0.3091	28.8781	0.1800	29.0581	7.7387	0.1671	7.9058		31,953.82 57	31,953.82 57	1.3449		31,987.44 83	

3.5 Building Construction - 2029**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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1	
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1	

BASASP - New Proposed (2035) - San Diego County, Winter

3.5 Building Construction - 2029**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	1.0130	35.8248	11.5734	0.1258	3.4863	0.0409	3.5272	1.0036	0.0391	1.0427	13,672.97 82	13,672.97 82	0.9433		13,696.55 97		
Worker	8.2592	4.1850	45.8938	0.1776	25.3918	0.1281	25.5199	6.7351	0.1179	6.8530	17,719.39 72	17,719.39 72	0.3727		17,728.71 46		
Total	9.2721	40.0098	57.4673	0.3033	28.8781	0.1690	29.0471	7.7387	0.1569	7.8956	31,392.37 54	31,392.37 54	1.3160		31,425.27 43		

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000 4	2,556.474 4	2,556.474 4	0.6010		2,571.498 1	
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1	

BASASP - New Proposed (2035) - San Diego County, Winter

3.5 Building Construction - 2029**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	1.0130	35.8248	11.5734	0.1258	3.4863	0.0409	3.5272	1.0036	0.0391	1.0427	13,672.97 82	13,672.97 82	0.9433		13,696.55 97		
Worker	8.2592	4.1850	45.8938	0.1776	25.3918	0.1281	25.5199	6.7351	0.1179	6.8530	17,719.39 72	17,719.39 72	0.3727		17,728.71 46		
Total	9.2721	40.0098	57.4673	0.3033	28.8781	0.1690	29.0471	7.7387	0.1569	7.8956	31,392.37 54	31,392.37 54	1.3160		31,425.27 43		

3.5 Building Construction - 2030**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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	2,897.546 8	2,897.546 8	0.1162		2,900.452 9		
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	2,897.546 8	2,897.546 8	0.1162		2,900.452 9		

BASASP - New Proposed (2035) - San Diego County, Winter

3.5 Building Construction - 2030**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.9990	35.4515	11.5249	0.1252	3.4863	0.0400	3.5263	1.0036	0.0382	1.0418	13,624.97 00	13,624.97 00	0.9377		13,648.41 24		
Worker	7.7451	3.9177	43.4605	0.1731	25.3918	0.1191	25.5109	6.7351	0.1095	6.8446	17,277.37 13	17,277.37 13	0.3515		17,286.15 82		
Total	8.7441	39.3692	54.9854	0.2983	28.8781	0.1590	29.0372	7.7387	0.1477	7.8864	30,902.34 12	30,902.34 12	1.2892		30,934.57 06		

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000 8	2,897.546 8	2,897.546 8	0.1162		2,900.452 9	
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.546 8	2,897.546 8	0.1162		2,900.452 9	

BASASP - New Proposed (2035) - San Diego County, Winter

3.5 Building Construction - 2030**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	0.9990	35.4515	11.5249	0.1252	3.4863	0.0400	3.5263	1.0036	0.0382	1.0418	13,624.97 00	13,624.97 00	0.9377		13,648.41 24		
Worker	7.7451	3.9177	43.4605	0.1731	25.3918	0.1191	25.5109	6.7351	0.1095	6.8446	17,277.37 13	17,277.37 13	0.3515		17,286.15 82		
Total	8.7441	39.3692	54.9854	0.2983	28.8781	0.1590	29.0372	7.7387	0.1477	7.8864	30,902.34 12	30,902.34 12	1.2892		30,934.57 06		

3.5 Building Construction - 2031**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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	2,897.546 8	2,897.546 8	0.1162		2,900.452 9		
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	2,897.546 8	2,897.546 8	0.1162		2,900.452 9		

BASASP - New Proposed (2035) - San Diego County, Winter

3.5 Building Construction - 2031**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.9878	35.1300	11.4834	0.1247	3.4863	0.0392	3.5255	1.0036	0.0375	1.0411	13,584.60 94	13,584.60 94	0.9326		13,607.92 35		
Worker	7.1975	3.6680	41.1495	0.1692	25.3918	0.1108	25.5026	6.7351	0.1019	6.8370	16,890.52 11	16,890.52 11	0.3323		16,898.82 84		
Total	8.1853	38.7980	52.6328	0.2940	28.8781	0.1500	29.0281	7.7387	0.1394	7.8781	30,475.13 05	30,475.13 05	1.2649		30,506.75 18		

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000 8	2,897.546 8	2,897.546 8	0.1162		2,900.452 9	
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.546 8	2,897.546 8	0.1162		2,900.452 9	

BASASP - New Proposed (2035) - San Diego County, Winter

3.5 Building Construction - 2031**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	0.9878	35.1300	11.4834	0.1247	3.4863	0.0392	3.5255	1.0036	0.0375	1.0411	13,584.60 94	13,584.60 94	0.9326		13,607.92 35		
Worker	7.1975	3.6680	41.1495	0.1692	25.3918	0.1108	25.5026	6.7351	0.1019	6.8370	16,890.52 11	16,890.52 11	0.3323		16,898.82 84		
Total	8.1853	38.7980	52.6328	0.2940	28.8781	0.1500	29.0281	7.7387	0.1394	7.8781	30,475.13 05	30,475.13 05	1.2649		30,506.75 18		

3.5 Building Construction - 2032**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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	2,897.546 8	2,897.546 8	0.1162		2,900.452 9		
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	2,897.546 8	2,897.546 8	0.1162		2,900.452 9		

BASASP - New Proposed (2035) - San Diego County, Winter

3.5 Building Construction - 2032**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.9789	34.8429	11.4635	0.1244	3.4863	0.0386	3.5249	1.0036	0.0369	1.0405	13,554.37 35	13,554.37 35	0.9283	13,577.58 10			
Worker	6.7118	3.4603	39.1607	0.1659	25.3918	0.1032	25.4950	6.7351	0.0949	6.8300	16,554.79 03	16,554.79 03	0.3165	16,562.70 39			
Total	7.6907	38.3032	50.6242	0.2903	28.8781	0.1418	29.0199	7.7387	0.1318	7.8705	30,109.16 38	30,109.16 38	1.2448			30,140.28 49	

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000 8	2,897.546 8	2,897.546 8	0.1162		2,900.452 9	
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.546 8	2,897.546 8	0.1162		2,900.452 9	

BASASP - New Proposed (2035) - San Diego County, Winter

3.5 Building Construction - 2032**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	0.9789	34.8429	11.4635	0.1244	3.4863	0.0386	3.5249	1.0036	0.0369	1.0405	13,554.37 35	13,554.37 35	0.9283		13,577.58 10		
Worker	6.7118	3.4603	39.1607	0.1659	25.3918	0.1032	25.4950	6.7351	0.0949	6.8300	16,554.79 03	16,554.79 03	0.3165		16,562.70 39		
Total	7.6907	38.3032	50.6242	0.2903	28.8781	0.1418	29.0199	7.7387	0.1318	7.8705	30,109.16 38	30,109.16 38	1.2448		30,140.28 49		

3.5 Building Construction - 2033**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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	2,897.546 8	2,897.546 8	0.1162		2,900.452 9		
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	2,897.546 8	2,897.546 8	0.1162		2,900.452 9		

BASASP - New Proposed (2035) - San Diego County, Winter

3.5 Building Construction - 2033**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.9725	34.5843	11.4536	0.1241	3.4863	0.0380	3.5243	1.0036	0.0363	1.0399	13,529.65 79	13,529.65 79	0.9248		13,552.77 66		
Worker	6.2872	3.2842	37.4428	0.1629	25.3918	0.0963	25.4881	6.7351	0.0886	6.8237	16,265.69 06	16,265.69 06	0.3030		16,273.26 64		
Total	7.2597	37.8685	48.8963	0.2871	28.8781	0.1343	29.0125	7.7387	0.1249	7.8636	29,795.34 85	29,795.34 85	1.2278		29,826.04 30		

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000 8	2,897.546 8	2,897.546 8	0.1162		2,900.452 9	
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.546 8	2,897.546 8	0.1162		2,900.452 9	

BASASP - New Proposed (2035) - San Diego County, Winter

3.5 Building Construction - 2033**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	0.9725	34.5843	11.4536	0.1241	3.4863	0.0380	3.5243	1.0036	0.0363	1.0399	13,529.65 79	13,529.65 79	0.9248		13,552.77 66		
Worker	6.2872	3.2842	37.4428	0.1629	25.3918	0.0963	25.4881	6.7351	0.0886	6.8237	16,265.69 06	16,265.69 06	0.3030		16,273.26 64		
Total	7.2597	37.8685	48.8963	0.2871	28.8781	0.1343	29.0125	7.7387	0.1249	7.8636	29,795.34 85	29,795.34 85	1.2278		29,826.04 30		

3.5 Building Construction - 2034**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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	2,897.546 8	2,897.546 8	0.1162		2,900.452 9		
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	2,897.546 8	2,897.546 8	0.1162		2,900.452 9		

BASASP - New Proposed (2035) - San Diego County, Winter

3.5 Building Construction - 2034**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	0.9670	34.3593	11.4391	0.1239	3.4863	0.0375	3.5238	1.0036	0.0359	1.0395		13,510.67 24	13,510.67 24	0.9221		13,533.72 47	
Worker	5.9216	3.1358	35.7917	0.1604	25.3918	0.0899	25.4817	6.7351	0.0827	6.8178		16,016.58 35	16,016.58 35	0.2901		16,023.83 57	
Total	6.8886	37.4951	47.2308	0.2843	28.8782	0.1274	29.0056	7.7387	0.1185	7.8572		29,527.25 59	29,527.25 59	1.2122		29,557.56 04	

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000 8	2,897.546 8	2,897.546 8	0.1162		2,900.452 9	
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.546 8	2,897.546 8	0.1162		2,900.452 9	

BASASP - New Proposed (2035) - San Diego County, Winter

3.5 Building Construction - 2034**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	0.9670	34.3593	11.4391	0.1239	3.4863	0.0375	3.5238	1.0036	0.0359	1.0395	13,510.67 24	13,510.67 24	0.9221		13,533.72 47		
Worker	5.9216	3.1358	35.7917	0.1604	25.3918	0.0899	25.4817	6.7351	0.0827	6.8178	16,016.58 35	16,016.58 35	0.2901		16,023.83 57		
Total	6.8886	37.4951	47.2308	0.2843	28.8782	0.1274	29.0056	7.7387	0.1185	7.8572	29,527.25 59	29,527.25 59	1.2122		29,557.56 04		

3.5 Building Construction - 2035**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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	2,897.546 8	2,897.546 8	0.1079		2,900.244 8		
Total	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	2,897.546 8	2,897.546 8	0.1079		2,900.244 8		

BASASP - New Proposed (2035) - San Diego County, Winter

3.5 Building Construction - 2035**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.9620	34.1699	11.4203	0.1237	3.4863	0.0371	3.5234	1.0036	0.0354	1.0391	13,495.81 94	13,495.81 94	0.9196		13,518.81 02		
Worker	5.6084	3.0207	34.3807	0.1583	25.3918	0.0842	25.4760	6.7351	0.0775	6.8126	15,806.18 54	15,806.18 54	0.2786		15,813.15 01		
Total	6.5704	37.1905	45.8011	0.2820	28.8782	0.1213	28.9995	7.7387	0.1129	7.8516	29,302.00 47	29,302.00 47	1.1982		29,331.96 03		

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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	0.0000 8	2,897.546 8	2,897.546 8	0.1079		2,900.244 8	
Total	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	0.0000	2,897.546 8	2,897.546 8	0.1079		2,900.244 8	

BASASP - New Proposed (2035) - San Diego County, Winter

3.5 Building Construction - 2035**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	0.9620	34.1699	11.4203	0.1237	3.4863	0.0371	3.5234	1.0036	0.0354	1.0391	13,495.81 94	13,495.81 94	0.9196		13,518.81 02		
Worker	5.6084	3.0207	34.3807	0.1583	25.3918	0.0842	25.4760	6.7351	0.0775	6.8126	15,806.18 54	15,806.18 54	0.2786		15,813.15 01		
Total	6.5704	37.1905	45.8011	0.2820	28.8782	0.1213	28.9995	7.7387	0.1129	7.8516	29,302.00 47	29,302.00 47	1.1982		29,331.96 03		

3.5 Building Construction - 2036**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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	2,897.546 8	2,897.546 8	0.1079		2,900.244 8		
Total	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	2,897.546 8	2,897.546 8	0.1079		2,900.244 8		

BASASP - New Proposed (2035) - San Diego County, Winter

3.5 Building Construction - 2036**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.9620	34.1699	11.4203	0.1237	3.4863	0.0371	3.5234	1.0036	0.0354	1.0391	13,495.81 94	13,495.81 94	0.9196		13,518.81 02		
Worker	5.6084	3.0207	34.3807	0.1583	25.3918	0.0842	25.4760	6.7351	0.0775	6.8126	15,806.18 54	15,806.18 54	0.2786		15,813.15 01		
Total	6.5704	37.1905	45.8011	0.2820	28.8782	0.1213	28.9995	7.7387	0.1129	7.8516	29,302.00 47	29,302.00 47	1.1982		29,331.96 03		

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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	0.0000 8	2,897.546 8	2,897.546 8	0.1079		2,900.244 8	
Total	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	0.0000	2,897.546 8	2,897.546 8	0.1079		2,900.244 8	

BASASP - New Proposed (2035) - San Diego County, Winter

3.5 Building Construction - 2036**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	0.9620	34.1699	11.4203	0.1237	3.4863	0.0371	3.5234	1.0036	0.0354	1.0391	13,495.81 94	13,495.81 94	0.9196		13,518.81 02		
Worker	5.6084	3.0207	34.3807	0.1583	25.3918	0.0842	25.4760	6.7351	0.0775	6.8126	15,806.18 54	15,806.18 54	0.2786		15,813.15 01		
Total	6.5704	37.1905	45.8011	0.2820	28.8782	0.1213	28.9995	7.7387	0.1129	7.8516	29,302.00 47	29,302.00 47	1.1982		29,331.96 03		

3.5 Building Construction - 2037**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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	2,897.546 8	2,897.546 8	0.1079		2,900.244 8		
Total	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	2,897.546 8	2,897.546 8	0.1079		2,900.244 8		

BASASP - New Proposed (2035) - San Diego County, Winter

3.5 Building Construction - 2037**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.9620	34.1699	11.4203	0.1237	3.4863	0.0371	3.5234	1.0036	0.0354	1.0391	13,495.81 94	13,495.81 94	0.9196		13,518.81 02		
Worker	5.6084	3.0207	34.3807	0.1583	25.3918	0.0842	25.4760	6.7351	0.0775	6.8126	15,806.18 54	15,806.18 54	0.2786		15,813.15 01		
Total	6.5704	37.1905	45.8011	0.2820	28.8782	0.1213	28.9995	7.7387	0.1129	7.8516	29,302.00 47	29,302.00 47	1.1982		29,331.96 03		

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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	0.0000 8	2,897.546 8	2,897.546 8	0.1079		2,900.244 8	
Total	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	0.0000	2,897.546 8	2,897.546 8	0.1079		2,900.244 8	

BASASP - New Proposed (2035) - San Diego County, Winter

3.5 Building Construction - 2037**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	0.9620	34.1699	11.4203	0.1237	3.4863	0.0371	3.5234	1.0036	0.0354	1.0391	13,495.81 94	13,495.81 94	0.9196		13,518.81 02		
Worker	5.6084	3.0207	34.3807	0.1583	25.3918	0.0842	25.4760	6.7351	0.0775	6.8126	15,806.18 54	15,806.18 54	0.2786		15,813.15 01		
Total	6.5704	37.1905	45.8011	0.2820	28.8782	0.1213	28.9995	7.7387	0.1129	7.8516	29,302.00 47	29,302.00 47	1.1982		29,331.96 03		

3.5 Building Construction - 2038**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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	2,897.546 8	2,897.546 8	0.1079		2,900.244 8		
Total	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	2,897.546 8	2,897.546 8	0.1079		2,900.244 8		

BASASP - New Proposed (2035) - San Diego County, Winter

3.5 Building Construction - 2038**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.9620	34.1699	11.4203	0.1237	3.4863	0.0371	3.5234	1.0036	0.0354	1.0391	13,495.81 94	13,495.81 94	0.9196		13,518.81 02		
Worker	5.6084	3.0207	34.3807	0.1583	25.3918	0.0842	25.4760	6.7351	0.0775	6.8126	15,806.18 54	15,806.18 54	0.2786		15,813.15 01		
Total	6.5704	37.1905	45.8011	0.2820	28.8782	0.1213	28.9995	7.7387	0.1129	7.8516	29,302.00 47	29,302.00 47	1.1982		29,331.96 03		

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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	0.0000 8	2,897.546 8	2,897.546 8	0.1079		2,900.244 8	
Total	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	0.0000	2,897.546 8	2,897.546 8	0.1079		2,900.244 8	

BASASP - New Proposed (2035) - San Diego County, Winter

3.5 Building Construction - 2038**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	0.9620	34.1699	11.4203	0.1237	3.4863	0.0371	3.5234	1.0036	0.0354	1.0391	13,495.81 94	13,495.81 94	0.9196		13,518.81 02		
Worker	5.6084	3.0207	34.3807	0.1583	25.3918	0.0842	25.4760	6.7351	0.0775	6.8126	15,806.18 54	15,806.18 54	0.2786		15,813.15 01		
Total	6.5704	37.1905	45.8011	0.2820	28.8782	0.1213	28.9995	7.7387	0.1129	7.8516	29,302.00 47	29,302.00 47	1.1982		29,331.96 03		

3.5 Building Construction - 2039**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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	2,897.546 8	2,897.546 8	0.1079		2,900.244 8		
Total	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	2,897.546 8	2,897.546 8	0.1079		2,900.244 8		

BASASP - New Proposed (2035) - San Diego County, Winter

3.5 Building Construction - 2039**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.9620	34.1699	11.4203	0.1237	3.4863	0.0371	3.5234	1.0036	0.0354	1.0391	13,495.81 94	13,495.81 94	0.9196		13,518.81 02		
Worker	5.6084	3.0207	34.3807	0.1583	25.3918	0.0842	25.4760	6.7351	0.0775	6.8126	15,806.18 54	15,806.18 54	0.2786		15,813.15 01		
Total	6.5704	37.1905	45.8011	0.2820	28.8782	0.1213	28.9995	7.7387	0.1129	7.8516	29,302.00 47	29,302.00 47	1.1982		29,331.96 03		

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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	0.0000 8	2,897.546 8	2,897.546 8	0.1079		2,900.244 8	
Total	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	0.0000	2,897.546 8	2,897.546 8	0.1079		2,900.244 8	

BASASP - New Proposed (2035) - San Diego County, Winter

3.5 Building Construction - 2039**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	0.9620	34.1699	11.4203	0.1237	3.4863	0.0371	3.5234	1.0036	0.0354	1.0391	13,495.81 94	13,495.81 94	0.9196		13,518.81 02		
Worker	5.6084	3.0207	34.3807	0.1583	25.3918	0.0842	25.4760	6.7351	0.0775	6.8126	15,806.18 54	15,806.18 54	0.2786		15,813.15 01		
Total	6.5704	37.1905	45.8011	0.2820	28.8782	0.1213	28.9995	7.7387	0.1129	7.8516	29,302.00 47	29,302.00 47	1.1982		29,331.96 03		

3.5 Building Construction - 2040**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	1.1970	6.8903	16.1185	0.0310		0.0737	0.0737		0.0737	0.0737	2,897.547 1	2,897.547 1	0.1041		2,900.150 3		
Total	1.1970	6.8903	16.1185	0.0310		0.0737	0.0737		0.0737	0.0737	2,897.547 1	2,897.547 1	0.1041		2,900.150 3		

BASASP - New Proposed (2035) - San Diego County, Winter

3.5 Building Construction - 2040**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.9488	33.5849	11.2895	0.1235	3.4864	0.0359	3.5223	1.0036	0.0343	1.0379	13,480.43 39	13,480.43 39	0.9076		13,503.12 45		
Worker	4.4374	2.6325	29.9151	0.1519	25.3918	0.0652	25.4570	6.7351	0.0599	6.7950	15,176.09 32	15,176.09 32	0.2402		15,182.09 74		
Total	5.3863	36.2174	41.2046	0.2754	28.8782	0.1010	28.9793	7.7387	0.0942	7.8329	28,656.52 71	28,656.52 71	1.1478		28,685.22 19		

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	1.1970	6.8903	16.1185	0.0310		0.0737	0.0737		0.0737	0.0737	0.0000 1	2,897.547 1	2,897.547 1	0.1041		2,900.150 3	
Total	1.1970	6.8903	16.1185	0.0310		0.0737	0.0737		0.0737	0.0737	0.0000	2,897.547 1	2,897.547 1	0.1041		2,900.150 3	

BASASP - New Proposed (2035) - San Diego County, Winter

3.5 Building Construction - 2040**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	0.9488	33.5849	11.2895	0.1235	3.4864	0.0359	3.5223	1.0036	0.0343	1.0379	13,480.43 39	13,480.43 39	0.9076		13,503.12 45		
Worker	4.4374	2.6325	29.9151	0.1519	25.3918	0.0652	25.4570	6.7351	0.0599	6.7950	15,176.09 32	15,176.09 32	0.2402		15,182.09 74		
Total	5.3863	36.2174	41.2046	0.2754	28.8782	0.1010	28.9793	7.7387	0.0942	7.8329	28,656.52 71	28,656.52 71	1.1478		28,685.22 19		

3.5 Building Construction - 2041**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	1.1970	6.8903	16.1185	0.0310		0.0737	0.0737		0.0737	0.0737	2,897.547 1	2,897.547 1	0.1041		2,900.150 3		
Total	1.1970	6.8903	16.1185	0.0310		0.0737	0.0737		0.0737	0.0737	2,897.547 1	2,897.547 1	0.1041		2,900.150 3		

BASASP - New Proposed (2035) - San Diego County, Winter

3.5 Building Construction - 2041**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.9488	33.5849	11.2895	0.1235	3.4864	0.0359	3.5223	1.0036	0.0343	1.0379	13,480.43 39	13,480.43 39	0.9076		13,503.12 45		
Worker	4.4374	2.6325	29.9151	0.1519	25.3918	0.0652	25.4570	6.7351	0.0599	6.7950	15,176.09 32	15,176.09 32	0.2402		15,182.09 74		
Total	5.3863	36.2174	41.2046	0.2754	28.8782	0.1010	28.9793	7.7387	0.0942	7.8329	28,656.52 71	28,656.52 71	1.1478		28,685.22 19		

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	1.1970	6.8903	16.1185	0.0310		0.0737	0.0737		0.0737	0.0737	0.0000 1	2,897.547 1	2,897.547 1	0.1041		2,900.150 3	
Total	1.1970	6.8903	16.1185	0.0310		0.0737	0.0737		0.0737	0.0737	0.0000	2,897.547 1	2,897.547 1	0.1041		2,900.150 3	

BASASP - New Proposed (2035) - San Diego County, Winter

3.5 Building Construction - 2041**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	0.9488	33.5849	11.2895	0.1235	3.4864	0.0359	3.5223	1.0036	0.0343	1.0379	13,480.43 39	13,480.43 39	0.9076		13,503.12 45		
Worker	4.4374	2.6325	29.9151	0.1519	25.3918	0.0652	25.4570	6.7351	0.0599	6.7950	15,176.09 32	15,176.09 32	0.2402		15,182.09 74		
Total	5.3863	36.2174	41.2046	0.2754	28.8782	0.1010	28.9793	7.7387	0.0942	7.8329	28,656.52 71	28,656.52 71	1.1478		28,685.22 19		

3.6 Paving - 2041**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	1.0112	3.6566	15.8177	0.0281		0.1164	0.1164		0.1164	0.1164	2,656.516 8	2,656.516 8	0.0893		2,658.748 9	
Paving	0.0000					0.0000	0.0000		0.0000	0.0000		0.0000			0.0000	
Total	1.0112	3.6566	15.8177	0.0281		0.1164	0.1164		0.1164	0.1164	2,656.516 8	2,656.516 8	0.0893		2,658.748 9	

BASASP - New Proposed (2035) - San Diego County, Winter

3.6 Paving - 2041**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	0.0215	0.0128	0.1452	7.4000e-004	0.1232	3.2000e-004	0.1235	0.0327	2.9000e-004	0.0330		73.6465	73.6465	1.1700e-003		73.6757	
Total	0.0215	0.0128	0.1452	7.4000e-004	0.1232	3.2000e-004	0.1235	0.0327	2.9000e-004	0.0330		73.6465	73.6465	1.1700e-003		73.6757	

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	1.0112	3.6566	15.8177	0.0281		0.1164	0.1164		0.1164	0.1164	0.0000	2,656.516 8	2,656.516 8	0.0893		2,658.748 9	
Paving	0.0000					0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	
Total	1.0112	3.6566	15.8177	0.0281		0.1164	0.1164		0.1164	0.1164	0.0000	2,656.516 8	2,656.516 8	0.0893		2,658.748 9	

BASASP - New Proposed (2035) - San Diego County, Winter

3.6 Paving - 2041**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	0.0215	0.0128	0.1452	7.4000e-004	0.1232	3.2000e-004	0.1235	0.0327	2.9000e-004	0.0330		73.6465	73.6465	1.1700e-003		73.6757	
Total	0.0215	0.0128	0.1452	7.4000e-004	0.1232	3.2000e-004	0.1235	0.0327	2.9000e-004	0.0330		73.6465	73.6465	1.1700e-003		73.6757	

3.6 Paving - 2042**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	1.0112	3.6566	15.8177	0.0281		0.1164	0.1164		0.1164	0.1164		2,656.516 8	2,656.516 8	0.0893		2,658.748 9	
Paving	0.0000					0.0000	0.0000		0.0000	0.0000		0.0000		0.0000		0.0000	
Total	1.0112	3.6566	15.8177	0.0281		0.1164	0.1164		0.1164	0.1164		2,656.516 8	2,656.516 8	0.0893		2,658.748 9	

BASASP - New Proposed (2035) - San Diego County, Winter

3.6 Paving - 2042**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	0.0215	0.0128	0.1452	7.4000e-004	0.1232	3.2000e-004	0.1235	0.0327	2.9000e-004	0.0330			73.6465	73.6465	1.1700e-003	73.6757	
Total	0.0215	0.0128	0.1452	7.4000e-004	0.1232	3.2000e-004	0.1235	0.0327	2.9000e-004	0.0330			73.6465	73.6465	1.1700e-003	73.6757	

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	1.0112	3.6566	15.8177	0.0281		0.1164	0.1164		0.1164	0.1164	0.0000	2,656.516 8	2,656.516 8	0.0893		2,658.748 9	
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Total	1.0112	3.6566	15.8177	0.0281		0.1164	0.1164		0.1164	0.1164	0.0000	2,656.516 8	2,656.516 8	0.0893		2,658.748 9	

BASASP - New Proposed (2035) - San Diego County, Winter

3.6 Paving - 2042**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	0.0215	0.0128	0.1452	7.4000e-004	0.1232	3.2000e-004	0.1235	0.0327	2.9000e-004	0.0330		73.6465	73.6465	1.1700e-003		73.6757	
Total	0.0215	0.0128	0.1452	7.4000e-004	0.1232	3.2000e-004	0.1235	0.0327	2.9000e-004	0.0330		73.6465	73.6465	1.1700e-003		73.6757	

3.7 Architectural Coating - 2042**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	419.4342						0.0000	0.0000		0.0000	0.0000		0.0000			0.0000	
Off-Road	0.1149	0.7270	1.7923	2.9700e-003		7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003		281.4481	281.4481	9.9000e-003		281.6957	
Total	419.5491	0.7270	1.7923	2.9700e-003		7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003		281.4481	281.4481	9.9000e-003		281.6957	

BASASP - New Proposed (2035) - San Diego County, Winter

3.7 Architectural Coating - 2042**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Worker	0.8872	0.5263	5.9811	0.0304	5.0767	0.0130	5.0898	1.3466	0.0120	1.3586	3,034.236 7	3,034.236 7	0.0480			3,035.437 1	
Total	0.8872	0.5263	5.9811	0.0304	5.0767	0.0130	5.0898	1.3466	0.0120	1.3586	3,034.236 7	3,034.236 7	0.0480			3,035.437 1	

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	419.4342						0.0000	0.0000		0.0000	0.0000		0.0000			0.0000	
Off-Road	0.1149	0.7270	1.7923	2.9700e-003		7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003	0.0000	281.4481	281.4481	9.9000e-003		281.6957	
Total	419.5491	0.7270	1.7923	2.9700e-003		7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003	0.0000	281.4481	281.4481	9.9000e-003		281.6957	

BASASP - New Proposed (2035) - San Diego County, Winter

3.7 Architectural Coating - 2042**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	0.8872	0.5263	5.9811	0.0304	5.0767	0.0130	5.0898	1.3466	0.0120	1.3586		3,034.236 7	3,034.236 7	0.0480		3,035.437 1	
Total	0.8872	0.5263	5.9811	0.0304	5.0767	0.0130	5.0898	1.3466	0.0120	1.3586		3,034.236 7	3,034.236 7	0.0480		3,035.437 1	

3.7 Architectural Coating - 2043**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	419.4342						0.0000	0.0000		0.0000	0.0000		0.0000			0.0000	
Off-Road	0.1149	0.7270	1.7923	2.9700e-003		7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003		281.4481	281.4481	9.9000e-003		281.6957	
Total	419.5491	0.7270	1.7923	2.9700e-003		7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003		281.4481	281.4481	9.9000e-003		281.6957	

BASASP - New Proposed (2035) - San Diego County, Winter

3.7 Architectural Coating - 2043**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Worker	0.8872	0.5263	5.9811	0.0304	5.0767	0.0130	5.0898	1.3466	0.0120	1.3586	3,034.236 7	3,034.236 7	0.0480			3,035.437 1	
Total	0.8872	0.5263	5.9811	0.0304	5.0767	0.0130	5.0898	1.3466	0.0120	1.3586	3,034.236 7	3,034.236 7	0.0480			3,035.437 1	

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	419.4342						0.0000	0.0000		0.0000	0.0000		0.0000			0.0000	
Off-Road	0.1149	0.7270	1.7923	2.9700e-003		7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003	0.0000	281.4481	281.4481	9.9000e-003		281.6957	
Total	419.5491	0.7270	1.7923	2.9700e-003		7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003	0.0000	281.4481	281.4481	9.9000e-003		281.6957	

BASASP - New Proposed (2035) - San Diego County, Winter

3.7 Architectural Coating - 2043**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	0.8872	0.5263	5.9811	0.0304	5.0767	0.0130	5.0898	1.3466	0.0120	1.3586	3,034.236 7	3,034.236 7	0.0480		3,035.437 1		
Total	0.8872	0.5263	5.9811	0.0304	5.0767	0.0130	5.0898	1.3466	0.0120	1.3586	3,034.236 7	3,034.236 7	0.0480		3,035.437 1		

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

BASASP - New Proposed (2035) - San Diego 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	52.7787	235.3617	799.5112	3.8156	485.7270	1.8942	487.6212	129.7699	1.7618	131.5318	391,675.0 480	391,675.0 480	17.9443			392,123.6 547	
Unmitigated	52.7787	235.3617	799.5112	3.8156	485.7270	1.8942	487.6212	129.7699	1.7618	131.5318	391,675.0 480	391,675.0 480	17.9443			392,123.6 547	

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT	Annual VMT	Annual VMT
Condo/Townhouse	1,338.15	1,338.15	1338.15	9,040,327		9,040,327	
General Light Industry	1,719.32	1,719.32	1719.32	11,615,471		11,615,471	
Strip Mall	30,862.61	30,862.61	30862.61	208,502,824		208,502,824	
Total	33,920.08	33,920.08	33,920.08	229,158,623		229,158,623	

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
Condo/Townhouse	18.56	7.30	7.50	100.00	0.00	0.00	100	0	0
General Light Industry	0.00	18.56	0.00	0.00	100.00	0.00	100	0	0
Strip Mall	0.00	18.56	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

BASASP - New Proposed (2035) - San Diego County, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Condo/Townhouse	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
General Light Industry	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Strip Mall	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709

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	1.7877	15.3114	6.7583	0.0975		1.2351	1.2351		1.2351	1.2351	19,501.60 91	19,501.60 91	0.3738	0.3575	19,617.49 75	
NaturalGas Unmitigated	1.7877	15.3114	6.7583	0.0975		1.2351	1.2351		1.2351	1.2351	19,501.60 91	19,501.60 91	0.3738	0.3575	19,617.49 75	

BASASP - New Proposed (2035) - San Diego 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						
Condo/Townhouse	159788	1.7232	14.7255	6.2662	0.0940		1.1906	1.1906		1.1906	1.1906	18,798.53	18,798.53	0.3603	0.3446	18,910.24	59	
General Light Industry	3632.63	0.0392	0.3561	0.2992	2.1400e-003		0.0271	0.0271		0.0271	0.0271	427.3679	427.3679	8.1900e-003	7.8400e-003	429.9075		
Strip Mall	2343.5	0.0253	0.2298	0.1930	1.3800e-003		0.0175	0.0175		0.0175	0.0175	275.7056	275.7056	5.2800e-003	5.0500e-003	277.3440		
Total		1.7877	15.3114	6.7583	0.0975		1.2351	1.2351		1.2351	1.2351		19,501.60	19,501.60	0.3738	0.3575	19,617.49	74

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						
Condo/Townhouse	159.788	1.7232	14.7255	6.2662	0.0940		1.1906	1.1906		1.1906	1.1906	18,798.53	18,798.53	0.3603	0.3446	18,910.24	59	
General Light Industry	3.63263	0.0392	0.3561	0.2992	2.1400e-003		0.0271	0.0271		0.0271	0.0271	427.3679	427.3679	8.1900e-003	7.8400e-003	429.9075		
Strip Mall	2.3435	0.0253	0.2298	0.1930	1.3800e-003		0.0175	0.0175		0.0175	0.0175	275.7056	275.7056	5.2800e-003	5.0500e-003	277.3440		
Total		1.7877	15.3114	6.7583	0.0975		1.2351	1.2351		1.2351	1.2351		19,501.60	19,501.60	0.3738	0.3575	19,617.49	74

6.0 Area Detail

BASASP - New Proposed (2035) - San Diego County, Winter

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6,351.085 3	125.0377	7,993.743 6	13.8960		1,075.906 2	1,075.906 2		1,075.906 2	1,075.9062 681	112,614.3 22	47,831.31 803	160,445.6 803	104.4981	8.8580	165,697.8 075
Unmitigated	6,351.085 3	125.0377	7,993.743 6	13.8960		1,075.906 2	1,075.906 2		1,075.906 2	1,075.9062 681	112,614.3 22	47,831.31 803	160,445.6 803	104.4981	8.8580	165,697.8 075

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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	37.9215						0.0000	0.0000		0.0000	0.0000		0.0000			0.0000
Consumer Products	97.4401						0.0000	0.0000		0.0000	0.0000		0.0000			0.0000
Hearth	6,205.751 6	121.1912	7,660.326 3	13.8784		1,074.050 8	1,074.050 8		1,074.050 8	1,074.0508	112,614.3 681	47,228.82 35	159,843.1 917	103.9244	8.8580	165,080.9 761
Landscaping	9.9722	3.8466	333.4173	0.0177		1.8554	1.8554		1.8554	1.8554		602.4886	602.4886	0.5737		616.8314
Total	6,351.085 3	125.0377	7,993.743 6	13.8960		1,075.906 2	1,075.906 2		1,075.906 2	1,075.9062	112,614.3 681	47,831.31 22	160,445.6 803	104.4981	8.8580	165,697.8 075

BASASP - New Proposed (2035) - San Diego 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	37.9215						0.0000	0.0000		0.0000	0.0000		0.0000			0.0000
Consumer Products	97.4401						0.0000	0.0000		0.0000	0.0000		0.0000			0.0000
Hearth	6,205.751 6	121.1912	7,660.326 3	13.8784		1,074.050 8	1,074.050 8		1,074.050 8	1,074.0508	112,614.3 681	47,228.82 35	159,843.1 917	103.9244	8.8580	165,080.9 761
Landscaping	9.9722	3.8466	333.4173	0.0177		1.8554	1.8554		1.8554	1.8554		602.4886	602.4886	0.5737		616.8314
Total	6,351.085 3	125.0377	7,993.743 6	13.8960		1,075.906 2	1,075.906 2		1,075.906 2	1,075.9062	112,614.3 681	47,831.31 22	160,445.6 803	104.4981	8.8580	165,697.8 075

7.0 Water Detail**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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BASASP - New Proposed (2035) - San Diego County, Winter

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
