

APPENDIX 2.1-1
Air Quality Report

**Air Quality Analysis Technical Report
for The Villages – Escondido Country Club Project
City of Escondido, California**

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JUNE 2017

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ACRONYMS AND ABBREVIATIONS

Acronym/Abbreviation	Definition
°C	degrees Celsius
°F	degrees Fahrenheit
AB	Assembly Bill
C ₂ H ₃ Cl	vinyl chloride
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
CARB	California Air Resources Board
CEQA	California Environmental Quality Act
CO	carbon monoxide
CO ₂	carbon dioxide
DPM	diesel particulate matter
EPA	U.S. Environmental Protection Agency
g/L	grams per liter
H ₂ S	hydrogen sulfide
HAP	hazardous air pollutant
NAAQS	National Ambient Air Quality Standards
NO	nitric oxide
NO ₂	nitrogen dioxide
NO _x	oxides of nitrogen
O ₃	ozone
PM ₁₀	coarse particulate matter (aerodynamic diameter ≤10 microns)
PM _{2.5}	fine particulate matter (aerodynamic diameter ≤2.5 microns)
ppm	parts per million by volume
RAQS	Regional Air Quality Strategy
RTIP	Regional Transportation Improvement Program
SANDAG	San Diego Association of Governments
SIP	State Implementation Plan
SO ₂	sulfur dioxide
SO ₄	Sulfates
SO _x	sulfur oxides
TAC	toxic air contaminant
VOC	volatile organic compound

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EXECUTIVE SUMMARY

The purpose of this technical report is to assess the potential air quality impacts associated with implementation of the proposed The Villages – Escondido Country Club Project (Project) located in the City of Escondido (City). This assessment uses the significance thresholds in Appendix G of the California Environmental Quality Act (CEQA) Guidelines (14 CCR 15000 et seq.), and is based on the emissions-based significance thresholds recommended by the City.

Project Overview

The Project consists of a General Plan Amendment to the Land Use Element, Zone Change to S-P Zone, a Vesting Tentative Map, and a Specific Plan to allow for development of 392 single-family dwelling units on the existing Escondido Country Club golf course. The total Project area is approximately 109.3 acres. The new land uses proposed for the Project area include open space system, clubhouse with recreational, social and farm amenities, and three single-family residential villages. The 48-acre open space system will consist of 29 acres of landscaped greenbelt and 19 acres of environmental channels and retention basins to convey stormwater from San Marcos Creek through the Project site and clean stormwater from the Project site. The greenbelt will have a series of pocket parks along an approximately 4-mile-long walking trail system.

Impact Analysis Summary

The air quality impact analysis evaluated the potential for adverse impacts to air quality due to construction and operational emissions resulting from the Project. Impacts were evaluated for their significance based on the City's mass daily criteria air pollutant thresholds of significance (City of Escondido 2015). Criteria air pollutants are defined as pollutants for which the federal and state governments have established ambient air quality standards, or criteria, for outdoor concentrations to protect public health. Criteria air pollutants include ozone (O₃), nitrogen dioxide (NO₂), carbon monoxide (CO), sulfur dioxide (SO₂), particulate matter with an aerodynamic diameter less than or equal to 10 microns (PM₁₀), particulate matter with an aerodynamic diameter less than or equal to 2.5 microns (PM_{2.5}), and lead. Pollutants that are evaluated include volatile organic compounds (VOCs) (also referred to as reactive organic gases), oxides of nitrogen (NO_x), CO, sulfur oxides (SO_x), PM₁₀, and PM_{2.5}. VOCs and NO_x are important because they are precursors to O₃.

Air Quality Plan Consistency

Implementation of the Project would not exceed the demographic growth forecasts in the San Diego Association of Governments (SANDAG) San Diego Forward: The Regional Plan, and would also be consistent with the SDAPCD Attainment Plans for CO and O₃. In addition, the Project would not result in an increase in the frequency or severity of existing air quality violations

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or cause or contribute to new violations. Based on these considerations, impacts related to the Project's potential to conflict with or obstruct implementation of the applicable air quality plan would be less than significant.

Construction Criteria Air Pollutant Emissions

Construction of the Project would result in the temporary addition of pollutants to the local airshed caused by on-site sources (i.e., off-road construction equipment, soil disturbance, and VOC off-gassing) and off-site sources (i.e., on-road haul trucks, vendor trucks, and worker vehicle trips). The Project's construction emissions were estimated using the California Emissions Estimator Model (CalEEMod) Version 2016.3.1 and a spreadsheet model for calculating blasting emissions. Maximum daily construction emissions would exceed the City's significance thresholds for NO_x during construction prior to mitigation. After mitigation, the Project would not exceed the City's significance criteria for any pollutant. Therefore, the Project would have a less than significant impact during construction.

Operational Criteria Air Pollutant Emissions

The Project would generate criteria pollutant emissions during operation from area, mobile, and energy sources. The emissions were estimated using the CalEEMod and compared to the City's significance thresholds for operation. The Project did not exceed any mass emissions significance threshold for operation. Therefore, the Project would have a less than significant impact.

Exposure of Sensitive Receptors

Construction activities would not generate emissions in excess of the SDAPCD site-specific localized significance thresholds; therefore, site-specific construction impacts during construction of the Project would be less than significant. In addition, diesel equipment would also be subject to the California Air Resources Board Airborne Toxic Control Measures for in-use off-road diesel fleets, which would minimize diesel particulate matter emissions. No residual toxic air contaminants (TAC) emissions or corresponding cancer risk are anticipated after construction, and no long-term sources of TAC emissions are anticipated during operation of the Project. Therefore, the exposure of sensitive receptors to Project-related TAC emission impacts would be less than significant. The Project would not negatively affect the level of service of intersections on the Project site and would not significantly contribute to a CO hotspot. In addition, no sensitive receptor land uses are located near the study area. As such, potential Project-generated impacts associated with CO hotspots would be less than significant.

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Odors

Potential odors produced during construction would be attributable to concentrations of unburned hydrocarbons from tailpipes of construction equipment and from excavated sediment. These odors would disperse rapidly from the Project site and generally occur at magnitudes that would not affect substantial numbers of people. Therefore, impacts associated with odors during construction would be less than significant.

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1 INTRODUCTION

1.1 Report Purpose and Scope

The purpose of this technical report is to assess the potential air quality emissions impacts associated with implementation of the proposed Escondido Villages Specific Plan Project (Project). This assessment uses the significance thresholds in Appendix G of the California Environmental Quality Act (CEQA) Guidelines (14 CCR 15000 et seq.), and is based on the emissions-based significance thresholds recommended by the City of Escondido (City).

This introductory chapter provides a description of the Project and the Project location. Chapters 2 and 3, Environmental Setting and Regulatory Setting, describe the air-quality-related environmental and regulatory setting. Chapter 4 describes the existing air quality conditions, and Chapter 5 presents the thresholds of significance and analysis methodology. Chapter 6 provides an air quality impact analysis per Appendix G of the CEQA Guidelines. Chapter 7, References Cited, includes full citations for the references cited in the report. Chapter 8, List of Preparers, includes a list of those who prepared this technical report.

1.2 Regional and Local Setting

The Project site is located in the northwest portion of the City of Escondido, along both sides of West Country Club Lane west of Nutmeg Street. The Project site itself currently has an address of 1800 West Country Club Lane and consists of approximately 109 acres. Figures 1 and 2, Regional Map and Vicinity Map, show the Project location within the County of San Diego and the City. The Project is located in the northwest part of Escondido. Regionally, the City is situated in northern San Diego County, about 30 miles north of Downtown San Diego via Interstate 15 (I-15). The Project is approximately 0.5 miles to the west of I-15, and about 2 miles north of State Route 78. The City of San Marcos boundary is approximately 0.2 miles to the southwest.

The Project is located within the San Diego Air Basin (SDAB) and is within the jurisdictional boundaries of the San Diego Air Pollution Control District (SDAPCD). The SDAB and the SDAPCD are discussed further in Chapter 2, Environmental Setting, and Chapter 3, Regulatory Setting, respectively.

1.3 Project Description

The Project consists of a General Plan Amendment to the Land Use Element, Zone Change to S-P Zone, a Vesting Tentative Map, and a Specific Plan to allow for development of the 392 residential dwelling unit Project (332 single-family residences and 60 multi-family residences). The total Project area is approximately 109.3 acres. The new land uses proposed for the Project

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Area include Open Space System; Clubhouse with recreational, social, and farm amenities; and three single-family residential villages, described as follows:

- Village 1, located north of West Country Club Lane, is generally bounded by Golden Circle Drive, Pamela Lane, David Drive, Gary Lane, and West Country Club Lane, and will contain approximately 155 homes. Primary access will be from West Country Club Lane at the location of the current clubhouse and from Gary Lane.
- Village 2, located north of West Country Club Lane, is generally bounded by Gary Lane, David Drive, Calle Redonda Lane, Wren Glen, Nutmeg Street, and West Country Club Lane, and will contain approximately 91 homes. One of the two neighborhoods of Village 2 will have primary access from Gary Lane and from an extension of La Brea Street north of West Country Club Lane, with the second neighborhood gaining access from another point along West Country Club Lane.
- Village 3, located south of West Country Club Lane, is generally bounded by Firestone Drive, Cortez Avenue, La Brea Street, La Mirada Avenue, and Nutmeg Avenue, and will contain approximately 146 homes. The two neighborhoods of Village 3 will have access from West Country Club Lane, Nutmeg Street, and La Brea Street.

The 48-acre Open Space System will consist of 29 acres of landscaped greenbelt and 19 acres of environmental channels and retention basins to convey stormwater from San Marcos Creek through the Project site and clean stormwater from the Project site. The greenbelt will have a series of pocket parks along an approximately 4-mile-long walking trail system.

A new, completely rebuilt Clubhouse will replace the former clubhouse. Recreational amenities will include a swimming pool, gym facility, and tennis court/pickle ball courts. Social amenities include restaurant and bar, banquet facilities and event courtyard, meeting room, administration office, and Village Green with a small concert/performance facility. Farm amenities include a professionally managed community farm, which will supply produce to the restaurant and to the Farm Stand for sale to nearby residents. Access to the Clubhouse is from the West Country Club Lane intersection with Golden Circle Drive.

Infrastructure

The proposed new land uses are either replacing existing facilities with existing infrastructure or are surrounded by existing development with existing infrastructure. No extensions or expansion of infrastructure systems will need to be made, only connections to existing infrastructure systems.

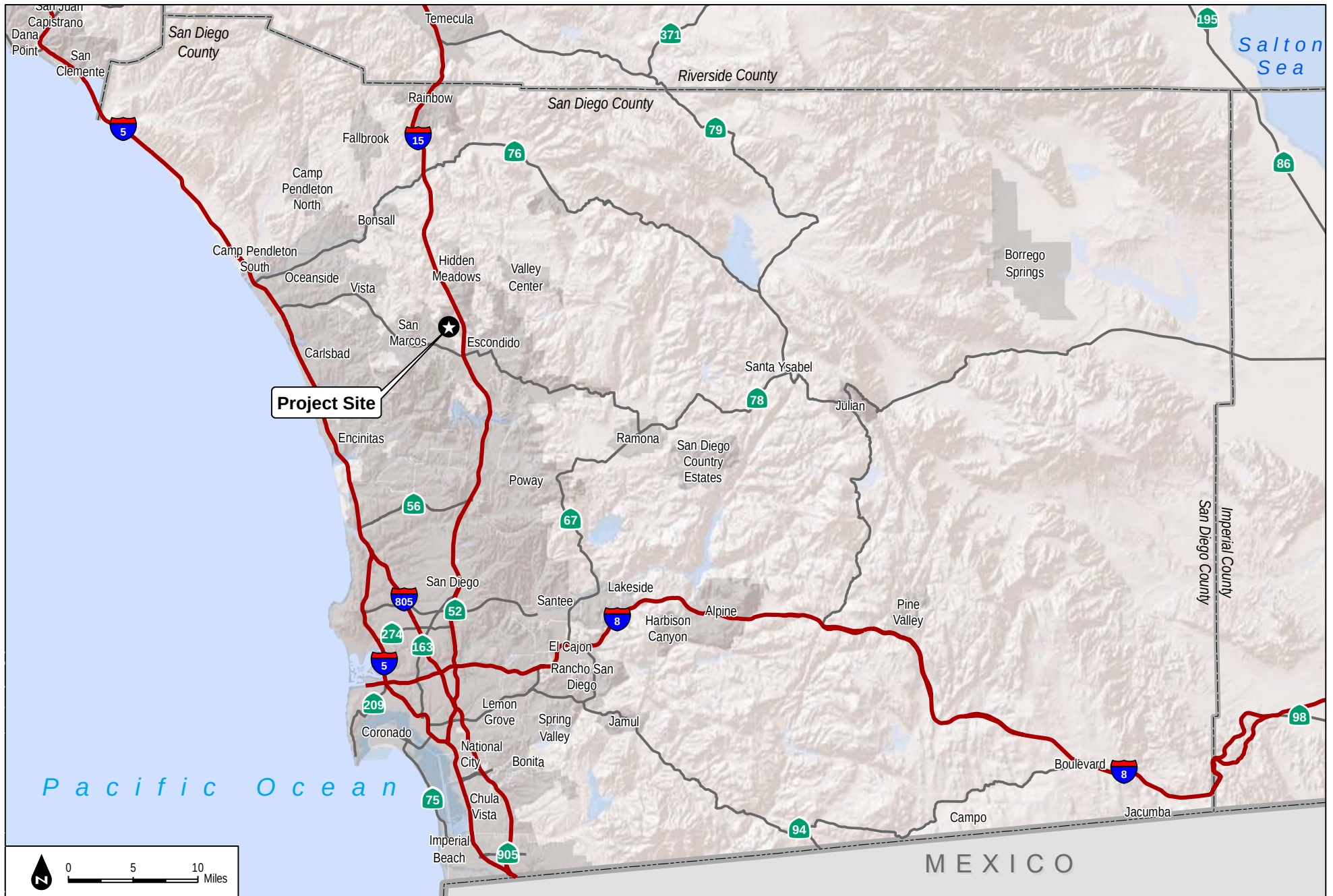


FIGURE 1
Regional Location Map

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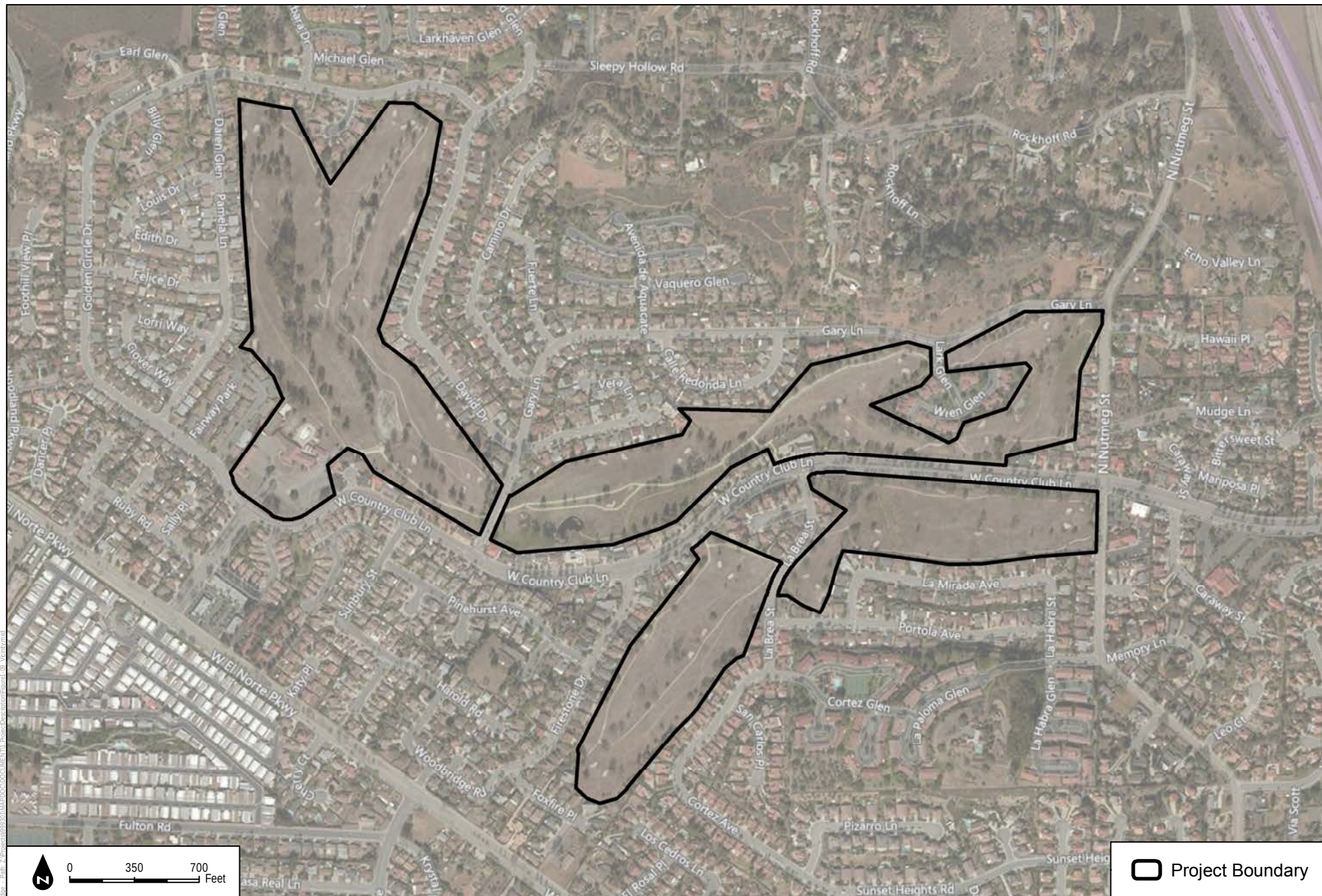


FIGURE 2
Vicinity Map

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SOURCE: Bing Maps (Accessed 2017)

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Existing infrastructure consists of vehicular access and circulation, water, sewer, drainage, and dry utilities that include gas, electricity, and telecommunications. Vehicular access to the entrances to each village is from existing public streets. A majority of the interior streets within each village will be public streets, with the exception of private driveways sharing access to one of the housing types and within the common ownership lots. New residences will be connected to the adjacent existing water distribution system and sewage collection systems owned and maintained by the City of Escondido or Rincon Del Diablo Municipal Water District. Existing drainage infrastructure will be redesigned and maintained to conform to current Regional Water Quality Control Board and City of Escondido stormwater retention and treatment standards.

Off-Site Improvements

With minor exceptions, off-site improvements to provide services to the new land uses currently exist and will be unchanged. The following minor off-site improvements proposed include:

- Street improvements consisting of traffic calming on West Country Club Lane and installation of Adaptive Signalization along El Norte Parkway as well as improvements to the Southbound I-15 On-Ramp is proposed to encourage pedestrian activity and increase public safety.
- Improvements to public streets to create street intersections will be made at the primary entrances to each Village.

Connections to existing public utilities and drainage courses may need to be constructed within public street rights-of-way or easements.

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2 ENVIRONMENTAL SETTING

2.1 Climate and Topography

The weather of the San Diego region, as in most of Southern California, is influenced by the Pacific Ocean and its semi-permanent high-pressure systems that result in dry, warm summers and mild, occasionally wet winters. The average temperature ranges (in degrees Fahrenheit (°F)) from the mid-40s to the mid-70s. Most of the region's precipitation falls from November to April, with infrequent (approximately 10%) precipitation during the summer. The average seasonal precipitation along the coast is approximately 10 inches; the amount increases with elevation as moist air is lifted over the mountains (WRCC 2016).

The topography in the San Diego region varies greatly, from beaches on the west to mountains and desert on the east; along with local meteorology, it influences the dispersal and movement of pollutants in the basin. The mountains to the east prohibit dispersal of pollutants in that direction and help trap them in inversion layers.

The interaction of ocean, land, and the Pacific High Pressure Zone maintains clear skies for much of the year and influences the direction of prevailing winds (westerly to northwesterly). Local terrain is often the dominant factor inland, and winds in inland mountainous areas tend to blow through the valleys during the day and down the hills and valleys at night.

2.2 Pollutants and Effects

2.2.1 Criteria Air Pollutants

Criteria air pollutants are defined as pollutants for which the federal and state governments have established ambient air quality standards, or criteria, for outdoor concentrations to protect public health. The federal and state standards have been set, with an adequate margin of safety, at levels above which concentrations could be harmful to human health and welfare. These standards are designed to protect the most sensitive persons from illness or discomfort. Pollutants of concern include ozone (O₃), nitrogen dioxide (NO₂), carbon monoxide (CO), sulfur dioxide (SO₂), particulate matter with an aerodynamic diameter equal to or less than 10 microns (PM₁₀), particulate matter with an aerodynamic diameter equal to or less than 2.5 microns (PM_{2.5}), and lead. These pollutants, as well as toxic air contaminants (TACs), are discussed in the following text.¹ In California, sulfates, vinyl chloride, hydrogen sulfide, and visibility-reducing particles are also regulated as criteria air pollutants.

¹ The descriptions of each of the criteria air pollutants and associated health effects are based on the EPA's *Criteria Air Pollutants* (2016a) and the CARB *Glossary of Air Pollutant Terms* (2016a).

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Ozone. O₃ is a strong-smelling, pale blue, reactive, toxic chemical gas consisting of three oxygen atoms. It is a secondary pollutant formed in the atmosphere by a photochemical process involving the sun's energy and O₃ precursors, such as hydrocarbons and NO_x. These precursors are mainly NO_x and VOCs. The maximum effects of precursor emissions on O₃ concentrations usually occur several hours after they are emitted and many miles from the source. Meteorology and terrain play major roles in O₃ formation, and ideal conditions occur during summer and early autumn on days with low wind speeds or stagnant air, warm temperatures, and cloudless skies. O₃ exists in the upper atmosphere ozone layer as well as at the Earth's surface in the troposphere. The O₃ that the U.S. Environmental Protection Agency (EPA) and CARB regulate as a criteria air pollutant is produced close to the ground level, where people live, exercise, and breathe. Ground-level O₃ is a harmful air pollutant that causes numerous adverse health effects and is thus considered "bad" O₃. Stratospheric O₃, or "good" O₃, occurs naturally in the upper atmosphere, where it reduces the amount of ultraviolet light (i.e., solar radiation) entering the earth's atmosphere. Without the protection of the beneficial stratospheric ozone layer, plant and animal life would be seriously harmed.

O₃ in the troposphere causes numerous adverse health effects; short-term exposures (lasting for a few hours) to O₃ at levels typically observed in Southern California can result in breathing pattern changes, reduction of breathing capacity, increased susceptibility to infections, inflammation of the lung tissue, and some immunological changes (EPA 2013). These health problems are particularly acute in sensitive receptors such as the sick, the elderly, and young children.

Nitrogen Dioxide. NO₂ is a brownish, highly reactive gas that is present in all urban atmospheres. The major mechanism for the formation of NO₂ in the atmosphere is the oxidation of the primary air pollutant nitric oxide, which is a colorless, odorless gas. NO_x plays a major role, together with VOCs, in the atmospheric reactions that produce O₃. NO_x is formed from fuel combustion under high temperature or pressure. In addition, NO_x is an important precursor to acid rain and may affect both terrestrial and aquatic ecosystems. The two major emissions sources are transportation and stationary fuel combustion sources such as electric utility and industrial boilers.

NO₂ can irritate the lungs, cause bronchitis and pneumonia, and lower resistance to respiratory infections (EPA 2016a).

Carbon Monoxide. CO is a colorless, odorless gas formed by the incomplete combustion of hydrocarbon, or fossil fuels. CO is emitted almost exclusively from motor vehicles, power plants, refineries, industrial boilers, ships, aircraft, and trains. In urban areas, such as the Project location, automobile exhaust accounts for the majority of CO emissions. CO is a nonreactive air pollutant that dissipates relatively quickly; therefore, ambient CO concentrations generally follow the spatial and temporal distributions of vehicular traffic. CO concentrations are influenced by local

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meteorological conditions—primarily wind speed, topography, and atmospheric stability. CO from motor vehicle exhaust can become locally concentrated when surface-based temperature inversions are combined with calm atmospheric conditions, which is a typical situation at dusk in urban areas from November to February. The highest levels of CO typically occur during the colder months of the year, when inversion conditions are more frequent.

In terms of adverse health effects, CO competes with oxygen, often replacing it in the blood, reducing the blood's ability to transport oxygen to vital organs. The results of excess CO exposure can include dizziness, fatigue, and impairment of central nervous system functions.

Sulfur Dioxide. SO₂ is a colorless, pungent gas formed primarily from incomplete combustion of sulfur-containing fossil fuels. The main sources of SO₂ are coal and oil used in power plants and industries; as such, the highest levels of SO₂ are generally found near large industrial complexes. In recent years, SO₂ concentrations have been reduced by the increasingly stringent controls placed on stationary source emissions of SO₂ and limits on the sulfur content of fuels.

SO₂ is an irritant gas that attacks the throat and lungs and can cause acute respiratory symptoms and diminished ventilator function in children. When combined with particulate matter, SO₂ can injure lung tissue and reduce visibility and the level of sunlight. SO₂ can also yellow plant leaves and erode iron and steel.

Particulate Matter. Particulate matter pollution consists of very small liquid and solid particles floating in the air, which can include smoke, soot, dust, salts, acids, and metals. Particulate matter can form when gases emitted from industries and motor vehicles undergo chemical reactions in the atmosphere. PM_{2.5} and PM₁₀ represent fractions of particulate matter. Coarse particulate matter (PM₁₀) is about 1/7 the thickness of a human hair. Major sources of PM₁₀ include crushing or grinding operations; dust stirred up by vehicles traveling on roads; wood-burning stoves and fireplaces; dust from construction, landfills, and agriculture; wildfires and brush/waste burning; industrial sources; windblown dust from open lands; and atmospheric chemical and photochemical reactions. Fine particulate matter (PM_{2.5}) is roughly 1/28 the diameter of a human hair. PM_{2.5} results from fuel combustion (e.g., from motor vehicles and power generation and industrial facilities), residential fireplaces, and woodstoves. In addition, PM_{2.5} can be formed in the atmosphere from gases such as SO_x, NO_x, and VOCs.

PM_{2.5} and PM₁₀ pose a greater health risk than larger-size particles. When inhaled, these tiny particles can penetrate the human respiratory system's natural defenses and damage the respiratory tract. PM_{2.5} and PM₁₀ can increase the number and severity of asthma attacks, cause or aggravate bronchitis and other lung diseases, and reduce the body's ability to fight infections. Very small particles of substances such as lead, sulfates, and nitrates can cause lung damage directly or be

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absorbed into the blood stream, causing damage elsewhere in the body. Additionally, these substances can transport adsorbed gases such as chlorides or ammonium into the lungs, also causing injury. Whereas PM_{10} tends to collect in the upper portion of the respiratory system, $PM_{2.5}$ is so tiny that it can penetrate deeper into the lungs and damage lung tissue. Suspended particulates also damage and discolor surfaces on which they settle and produce haze and reduce regional visibility.

People with influenza, people with chronic respiratory and cardiovascular diseases, and the elderly may suffer worsening illness and premature death as a result of breathing particulate matter. People with bronchitis can expect aggravated symptoms from breathing particulate matter. Children may experience a decline in lung function due to breathing PM_{10} and $PM_{2.5}$ (EPA 2009).

Lead. Lead in the atmosphere occurs as particulate matter. Sources of lead include leaded gasoline; the manufacturing of batteries, paints, ink, ceramics, and ammunition; and secondary lead smelters. Prior to 1978, mobile emissions were the primary source of atmospheric lead. Between 1978 and 1987, the phaseout of leaded gasoline reduced the overall inventory of airborne lead by nearly 95%. With the phaseout of leaded gasoline, secondary lead smelters, battery recycling, and manufacturing facilities are becoming lead-emissions sources of greater concern.

Prolonged exposure to atmospheric lead poses a serious threat to human health. Health effects associated with exposure to lead include gastrointestinal disturbances, anemia, kidney disease, and in severe cases, neuromuscular and neurological dysfunction. Of particular concern are low-level lead exposures during infancy and childhood. Such exposures are associated with decrements in neurobehavioral performance, including intelligence quotient performance, psychomotor performance, reaction time, and growth. Children are highly susceptible to the effects of lead.

Volatile Organic Compounds. Hydrocarbons are organic gases that are formed from hydrogen and carbon and sometimes other elements. Hydrocarbons that contribute to formation of O_3 are referred to and regulated as VOCs (also referred to as reactive organic gases). Combustion engine exhaust, oil refineries, and fossil-fueled power plants are the sources of hydrocarbons. Other sources of hydrocarbons include evaporation from petroleum fuels, solvents, dry cleaning solutions, and paint.

The primary health effects of VOCs result from the formation of O_3 and its related health effects. High levels of VOCs in the atmosphere can interfere with oxygen intake by reducing the amount of available oxygen through displacement. Carcinogenic forms of hydrocarbons, such as benzene, are considered TACs. There are no separate health standards for VOCs as a group.

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2.2.2 Non-Criteria Air Pollutants

Toxic Air Contaminants. A substance is considered toxic if it has the potential to cause adverse health effects in humans, including increasing the risk of cancer upon exposure, or acute and/or chronic noncancer health effects. A toxic substance released into the air is considered a TAC. TACs are identified by federal and state agencies based on a review of available scientific evidence. In the State of California, TACs are identified through a two-step process that was established in 1983 under the Toxic Air Contaminant Identification and Control Act. This two-step process of risk identification and risk management and reduction was designed to protect residents from the health effects of toxic substances in the air. In addition, the California Air Toxics “Hot Spots” Information and Assessment Act, Assembly Bill 2588, was enacted by the legislature in 1987 to address public concern over the release of TACs into the atmosphere. The law requires facilities emitting toxic substances to provide local air quality management districts and air pollution control districts with information that will allow an assessment of the air toxics problem, identification of air toxics emissions sources, location of resulting hotspots, notification of the public exposed to significant risk, and development of effective strategies to reduce potential risks to the public over 5 years.

Examples include certain aromatic and chlorinated hydrocarbons, certain metals, and asbestos. TACs are generated by a number of sources, including stationary sources, such as dry cleaners, gas stations, combustion sources, and laboratories; mobile sources, such as automobiles; and area sources, such as landfills. Adverse health effects associated with exposure to TACs may include carcinogenic (i.e., cancer-causing) and noncarcinogenic effects. Noncarcinogenic effects typically affect one or more target organ systems and may be experienced on either short-term (acute) or long-term (chronic) exposure to a given TAC.

Diesel Particulate Matter. DPM is part of a complex mixture that makes up diesel exhaust. Diesel exhaust is composed of two phases, gas and particle, both of which contribute to health risks. More than 90% of DPM is less than 1 micrometer in diameter (about 1/70th the diameter of a human hair), and thus is a subset of PM_{2.5} (CARB 2016a). DPM is typically composed of carbon particles (“soot,” also called black carbon) and numerous organic compounds, including over 40 known cancer-causing organic substances. Examples of these chemicals include polycyclic aromatic hydrocarbons, benzene, formaldehyde, acetaldehyde, acrolein, and 1,3-butadiene (CARB 2016a). The CARB) classified “particulate emissions from diesel-fueled engines” (i.e., DPM; 17 CCR 93000) as a TAC in August 1998. DPM is emitted from a broad range of diesel engines: on-road diesel engines of trucks, buses, and cars and off-road diesel engines including locomotives, marine vessels, and heavy-duty construction equipment, among others. Approximately 70% of all airborne cancer risk in California is associated with DPM (CARB 2000). To reduce the cancer risk associated with DPM, CARB adopted a diesel risk

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reduction plan in 2000 (CARB 2000). Because it is part of PM_{2.5}, DPM also contributes to the same non-cancer health effects as PM_{2.5} exposure. These effects include premature death; hospitalizations and emergency department visits for exacerbated chronic heart and lung disease, including asthma; increased respiratory symptoms; and decreased lung function in children. Several studies suggest that exposure to DPM may also facilitate development of new allergies (CARB 2016b). Those most vulnerable to non-cancer health effects are children whose lungs are still developing and the elderly who often have chronic health problems.

Odorous Compounds. Odors are generally regarded as an annoyance rather than a health hazard. Manifestations of a person's reaction to odors can range from psychological (e.g., irritation, anger, or anxiety) to physiological (e.g., circulatory and respiratory effects, nausea, vomiting, and headache). The ability to detect odors varies considerably among the population and overall is quite subjective. People may have different reactions to the same odor. An odor that is offensive to one person may be perfectly acceptable to another (e.g., coffee roaster). An unfamiliar odor is more easily detected and is more likely to cause complaints than a familiar one. Known as odor fatigue, a person can become desensitized to almost any odor, and recognition may only occur with an alteration in the intensity. The occurrence and severity of odor impacts depend on the nature, frequency, and intensity of the source; wind speed and direction; and the sensitivity of receptors.

2.3 Sensitive Receptors

Some land uses are considered more sensitive to changes in air quality than others, depending on the population groups and the activities involved. People most likely to be affected by air pollution include children, the elderly, athletes, and people with cardiovascular and chronic respiratory diseases. Facilities and structures where these air-pollution-sensitive people live or spend considerable amounts of time are known as “sensitive receptors.” Land uses where air-pollution-sensitive individuals are most likely to spend time include schools and schoolyards, parks and playgrounds, daycare centers, nursing homes, hospitals, and residential communities (sensitive sites or sensitive land uses) (CARB 2005). The Project is located on an existing golf course surrounded by single-family residential neighborhoods. Therefore, the nearest sensitive receptor is adjacent to the property boundary and within 20 feet of the Project in all directions.

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3 REGULATORY SETTING

3.1 Federal Regulations

3.1.1 Criteria Air Pollutants

The federal Clean Air Act, passed in 1970 and last amended in 1990, forms the basis for the national air pollution control effort. The EPA is responsible for implementing most aspects of the Clean Air Act, including setting National Ambient Air Quality Standards (NAAQS) for major air pollutants; setting hazardous air pollutant (HAP) standards; approving state attainment plans; setting motor vehicle emission standards; issuing stationary source emission standards and permits; and establishing acid rain control measures, stratospheric O₃ protection measures, and enforcement provisions. Under the Clean Air Act, NAAQS are established for the following criteria pollutants: O₃, CO, NO₂, SO₂, PM₁₀, PM_{2.5}, and lead.

The NAAQS describe acceptable air quality conditions designed to protect the health and welfare of the citizens of the nation. The NAAQS (other than for O₃, NO₂, SO₂, PM₁₀, PM_{2.5}, and those based on annual averages or arithmetic mean) are not to be exceeded more than once per year. NAAQS for O₃, NO₂, SO₂, PM₁₀, and PM_{2.5} are based on statistical calculations over 1- to 3-year periods, depending on the pollutant. The Clean Air Act requires the EPA to reassess the NAAQS at least every 5 years to determine whether adopted standards are adequate to protect public health based on current scientific evidence. States with areas that exceed the NAAQS must prepare a State Implementation Plan (SIP) that demonstrates how those areas will attain the standards within mandated time frames.

3.1.2 Hazardous Air Pollutants

The 1977 federal Clean Air Act amendments required the EPA to identify national emission standards for HAPs to protect public health and welfare. HAPs include certain volatile organic chemicals, pesticides, herbicides, and radionuclides that present a tangible hazard, based on scientific studies of exposure to humans and other mammals. Under the 1990 federal Clean Air Act Amendments, which expanded the control program for HAPs, 189 substances and chemical families were identified as HAPs.

3.2 State Regulations

3.2.1 Criteria Air Pollutants

The federal Clean Air Act delegates the regulation of air pollution control and the enforcement of the NAAQS to the states. In California, the task of air quality management and regulation has

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been legislatively granted to CARB, with subsidiary responsibilities assigned to air quality management districts and air pollution control districts at the regional and county levels. CARB, which became part of the California Environmental Protection Agency in 1991, is responsible for ensuring implementation of the California Clean Air Act of 1988, responding to the federal Clean Air Act, and regulating emissions from motor vehicles and consumer products.

CARB has established California Ambient Air Quality Standards (CAAQS), which are generally more restrictive than the NAAQS. The CAAQS describe adverse conditions; that is, pollution levels must be below these standards before a basin can attain the standard. Air quality is considered “in attainment” if pollutant levels are continuously below the CAAQS and violate the standards no more than once each year. The CAAQS for O₃, CO, SO₂ (1-hour and 24-hour), NO₂, PM₁₀, and PM_{2.5} and visibility-reducing particles are values that are not to be exceeded. All others are not to be equaled or exceeded. The NAAQS and CAAQS are presented in Table 1.

**Table 1
Ambient Air Quality Standards**

Pollutant	Averaging Time	California Standards ^a	National Standards ^b	
		Concentration ^c	Primary ^{c,d}	Secondary ^{c,e}
O ₃	1 hour	0.09 ppm (180 µg/m ³)	—	Same as Primary Standard ^f
	8 hours	0.070 ppm (137 µg/m ³)	0.070 ppm (137 µg/m ³) ^f	
NO ₂ ^g	1 hour	0.18 ppm (339 µg/m ³)	0.100 ppm (188 µg/m ³)	Same as Primary Standard
	Annual arithmetic mean	0.030 ppm (57 µg/m ³)	0.053 ppm (100 µg/m ³)	
CO	1 hour	20 ppm (23 mg/m ³)	35 ppm (40 mg/m ³)	None
	8 hours	9.0 ppm (10 mg/m ³)	9 ppm (10 mg/m ³)	
SO ₂ ^h	1 hour	0.25 ppm (655 µg/m ³)	0.075 ppm (196 µg/m ³)	—
	3 hours	—	—	0.5 ppm (1,300 µg/m ³)
	24 hours	0.04 ppm (105 µg/m ³)	0.14 ppm (for certain areas) ^g	—
	Annual	—	0.030 ppm (for certain areas) ^g	—
PM ₁₀ ⁱ	24 hours	50 µg/m ³	150 µg/m ³	Same as Primary Standard
	Annual arithmetic mean	20 µg/m ³	—	
PM _{2.5} ^j	24 hours	—	35 µg/m ³	Same as Primary Standard
	Annual arithmetic mean	12 µg/m ³	12.0 µg/m ³	
Lead ^{j,k}	30-day average	1.5 µg/m ³	—	—
	Calendar quarter	—	1.5 µg/m ³ (for certain areas) ^k	Same as Primary Standard
	Rolling 3-month average	—	0.15 µg/m ³	

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Table 1
Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards ^a	National Standards ^b	
		Concentration ^c	Primary ^{c,d}	Secondary ^{c,e}
Hydrogen sulfide	1 hour	0.03 ppm (42 µg/m ³)	—	—
Vinyl chloride ⁱ	24 hours	0.01 ppm (26 µg/m ³)	—	—
Sulfates	24 hours	25 µg/m ³	—	—
Visibility reducing particles	8 hour (10:00 a.m. to 6:00 p.m. PST)	Insufficient amount to produce an extinction coefficient of 0.23 per kilometer due to the number of particles when the relative humidity is less than 70%	—	—

Source: CARB 2016b.

Notes: O₃ = ozone; ppm = parts per million by volume; µg/m³ = micrograms per cubic meter; NO₂ = nitrogen dioxide; CO = carbon monoxide; mg/m³ = milligrams per cubic meter; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter; SO₂ = sulfur dioxide.

- ^a California standards for O₃, CO, SO₂ (1-hour and 24-hour), NO₂, suspended particulate matter (PM₁₀, PM_{2.5}), and visibility-reducing particles are values that are not to be exceeded. All others are not to be equaled or exceeded. CAAQS are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
- ^b National standards (other than O₃, NO₂, SO₂, particulate matter, and those based on annual averages or annual arithmetic mean) are not to be exceeded more than once per year. The O₃ standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over 3 years, is equal to or less than the standard. For PM₁₀, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m³ is equal to or less than 1. For PM_{2.5}, the 24-hour standard is attained when 98% of the daily concentrations, averaged over 3 years, are equal to or less than the standard.
- ^c Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based on a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.
- ^d National Primary Standards: The levels of air quality necessary, with an adequate margin of safety, to protect the public health.
- ^e National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.
- ^f On October 1, 2015, the EPA Administrator signed the notice for the final rule to revise the primary and secondary NAAQS for O₃. The EPA is revising the levels of both standards from 0.075 ppm to 0.070 ppm and retaining their indicators (O₃), forms (fourth-highest daily maximum, averaged across 3 consecutive years) and averaging times (8 hours). The EPA is in the process of submitting the rule for publication in the Federal Register. The final rule will be effective 60 days after the date of publication in the Federal Register. The lowered national 8-hour standards are reflected in the table.
- ^g To attain the national 1-hour standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 parts per billion (ppb). Note that the national 1-hour standard is in units of ppb. California standards are in units of ppm. To directly compare the national 1-hour standard to the California standards, the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.
- ^h On June 2, 2010, a new 1-hour SO₂ standard was established, and the existing 24-hour and annual primary standards were revoked. To attain the national 1-hour standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO₂ national standards (24-hour and annual) remain in effect until 1 year after an area is designated for the 2010 standard, except that in areas designated nonattainment of the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.
- ⁱ On December 14, 2012, the national annual PM_{2.5} primary standard was lowered from 15 µg/m³ to 12.0 µg/m³. The existing national 24-hour PM_{2.5} standards (primary and secondary) were retained at 35 µg/m³, as was the annual secondary standard of 15 µg/m³. The existing 24-hour PM₁₀ standards (primary and secondary) of 150 µg/m³ were also retained. The form of the annual primary and secondary standards is the annual mean averaged over 3 years.
- ^j CARB has identified lead and vinyl chloride as TACs with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.

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^k The national standard for lead was revised on October 15, 2008, to a rolling 3-month average. The 1978 lead standard (1.5 µg/m³ as a quarterly average) remains in effect until 1 year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.

3.2.2 Toxic Air Contaminants

The state Air Toxics Program was established in 1983 under AB 1807 (Tanner). The California TAC list identifies more than 700 pollutants, of which carcinogenic and noncarcinogenic toxicity criteria have been established for a subset of these pollutants pursuant to the California Health and Safety Code. In accordance with AB 2728, the state list includes the (federal) HAPs. The Air Toxics “Hot Spots” Information and Assessment Act of 1987 (AB 2588) seeks to identify and evaluate risk from air toxics sources; however, AB 2588 does not regulate air toxics emissions. TAC emissions from individual facilities are quantified and prioritized. “High-priority” facilities are required to perform a health risk assessment, and if specific thresholds are exceeded, are required to communicate the results to the public in the form of notices and public meetings.

In 2000, CARB approved a comprehensive Diesel Risk Reduction Plan to reduce diesel emissions from both new and existing diesel-fueled vehicles and engines. The regulation is anticipated to result in an 80% decrease in statewide diesel health risk in 2020 compared with the diesel risk in 2000. Additional regulations apply to new trucks and diesel fuel, including the On-Road Heavy Duty Diesel Vehicle (In-Use) Regulation, the On-Road Heavy Duty (New) Vehicle Program, the In-Use Off-Road Diesel Vehicle Regulation, and the New Off-Road Compression-Ignition (Diesel) Engines and Equipment program. All of these regulations and programs have timetables by which manufacturers must comply and existing operators must upgrade their diesel powered equipment. Several Airborne Toxic Control Measures that reduce diesel emissions, including In-Use Off-Road Diesel-Fueled Fleets (13 CCR 2449 et seq.) and In-Use On-Road Diesel-Fueled Vehicles (13 CCR 2025).

California Health and Safety Code Section 41700

This section of the Health and Safety Code states that a person shall not discharge from any source whatsoever quantities of air contaminants or other material that cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public; or that endanger the comfort, repose, health, or safety of any of those persons or the public; or that cause, or have a natural tendency to cause, injury or damage to business or property. This section also applies to sources of objectionable odors.

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3.3 Local Regulations

3.3.1 San Diego Air Pollution Control District

While CARB is responsible for the regulation of mobile emission sources within the state, local air quality management districts and air pollution control districts are responsible for enforcing standards and regulating stationary sources. The Project Area is located within the SDAB and is subject to the guidelines and regulations of the SDAPCD.

In San Diego County, O₃ and particulate matter are the pollutants of main concern, since exceedances of state ambient air quality standards for those pollutants are experienced here in most years. For this reason, the SDAB has been designated as a nonattainment area for the state PM₁₀, PM_{2.5}, and O₃ standards, as discussed in Section 4.1, San Diego Air Basin Attainment Status, of this report. The SDAB is also a federal O₃ attainment (maintenance) area for the 1997 8-hour O₃ standard, an O₃ nonattainment area for the 2008 8-hour O₃ standard, and a CO maintenance area (western and central part of the SDAB only, including the Project Area). The SDAPCD develops air quality attainment plans and regional air quality strategies that include control measures and strategies to be implemented to attain state and federal ambient air quality standards in the SDAB. The SDAPCD then implements these control measures as regulations to control or reduce criteria pollutant emissions from stationary sources or equipment. The SDAPCD's air quality plans are summarized below.

Federal Attainment Plans

In December 2016, the SDAPCD adopted an update to the Eight-Hour Ozone Attainment Plan for San Diego County, the *2016 Eight-Hour Ozone Attainment Plan for San Diego County* (2016 8-Hour O₃ Attainment Plan; SDAPCD 2016a). The 2016 8-Hour O₃ Attainment Plan indicates that local controls and state programs would allow the region to reach attainment of the federal 8-hour O₃ standard (1997 O₃ NAAQS) by 2018 (SDAPCD 2016a). In this plan, SDAPCD relies on the Regional Air Quality Strategy (RAQS; SDAPCD 2009a) to demonstrate how the region will comply with the federal O₃ standard. The RAQS details how the region will manage and reduce O₃ precursors (NO_x and VOCs) by identifying measures and regulations intended to reduce these pollutants. The control measures identified in the RAQS generally focus on stationary sources; however, the emissions inventories and projections in the RAQS address all potential sources, including those under the authority of CARB and the EPA. Incentive programs for reduction of emissions from heavy-duty diesel vehicles, off-road equipment, and school buses are also established in the RAQS. According to the *Redesignation Request and Maintenance Plan for the 1997 National Ozone Standard for San Diego County*, the SDAB did not reach attainment of the federal 1997 standard until 2011 (SDAPCD 2012). The 2016 8-Hour

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O₃ Attainment Plan, however, demonstrates the region's attainment of the 1997 O₃ NAAQS and outlines the plan for maintaining attainment status.

Currently, the County is in moderate nonattainment for the 2008 NAAQS. As documented in the 2016 8-Hour O₃ Attainment Plan, the County has a likely chance of obtaining attainment due to the transition to low emission cars, stricter new source review rules, and continuing the requirement of general conformity for military growth and the San Diego International Airport. The County will also continue emission control measures including ongoing implementation of existing regulations in O₃ precursor reduction to stationary and area-wide sources, subsequent inspections of facilities and sources, and the adoption of laws requiring Best Available Retrofit Control Technology for control of emissions (SDAPCD 2016a).

State Attainment Plans

The SDAPCD and the San Diego Association of Governments (SANDAG) are responsible for developing and implementing the clean air plan for attainment and maintenance of the ambient air quality standards in the SDAB. The RAQS for the San Diego Air Basin was initially adopted in 1991, and is updated on a triennial basis, most recently in 2016 (SDAPCD 2016b). The RAQS outlines SDAPCD's plans and control measures designed to attain the state air quality standards for O₃. The RAQS relies on information from CARB and SANDAG, including mobile and area source emissions, as well as information regarding projected growth in San Diego County and the cities in the county, to forecast future emissions and then determine from that the strategies necessary for the reduction of emissions through regulatory controls. CARB mobile source emission projections and SANDAG growth projections are based on population, vehicle trends, and land use plans developed by San Diego County and the cities in the county as part of the development of their general plans (SANDAG 2017a, 2017b).

In December 2016, the SDAPCD adopted the revised RAQS for San Diego County. Since 2007, the San Diego region reduced daily VOC emissions and NO_x emissions by 3.9% and 7.0% respectively; the SDAPCD expects to continue reductions through 2035 (SDAPCD 2016b). These reductions were achieved through implementation of six VOC control measures and three NO_x control measures adopted in the SDAPCD's 2009 RAQS; in addition, the SDAPCD is considering additional measures, including three VOC measures and four control measures to reduce 0.3 daily tons of VOC and 1.2 daily tons of NO_x, provided they are found to be feasible region-wide. In addition, SDAPCD has implemented nine incentive-based programs, has worked with SANDAG to implement regional transportation control measures, and has reaffirmed the state emission offset repeal.

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In regard to particulate matter emissions reduction efforts, in December 2005, the SDAPCD prepared a report titled “Measures to Reduce Particulate Matter in San Diego County” to address implementation of Senate Bill (SB) 656 in San Diego County (SB 656 required additional controls to reduce ambient concentrations of PM₁₀ and PM_{2.5}) (SDAPCD 2005). In the report, SDAPCD evaluated the implementation of source-control measures that would reduce particulate matter emissions associated with residential wood combustion; various construction activities including earthmoving, demolition, and grading; bulk material storage and handling; carryout and trackout removal and cleanup methods; inactive disturbed land; disturbed open areas; unpaved parking lots/staging areas; unpaved roads; and windblown dust (SDAPCD 2005).

SDAPCD Rules and Regulations

As stated above, the SDAPCD is responsible for planning, implementing, and enforcing federal and state ambient standards in the SDAB. The following rules and regulations apply to all sources in the jurisdiction of SDAPCD, and would apply to the Project:

- **SDAPCD Regulation IV: Prohibitions; Rule 51: Nuisance.** Prohibits the discharge, from any source, of such quantities of air contaminants or other materials that cause or have a tendency to cause injury, detriment, nuisance, annoyance to people and/or the public, or damage to any business or property (SDAPCD 1969).
- **SDAPCD Regulation IV: Prohibitions; Rule 55: Fugitive Dust.** Regulates fugitive dust emissions from any commercial construction or demolition activity capable of generating fugitive dust emissions, including active operations, open storage piles, and inactive disturbed areas, as well as track-out and carry-out onto paved roads beyond a project Site (SDAPCD 2009b).
- **SDAPCD Regulation IV: Prohibitions; Rule 67.0.1: Architectural Coatings.** Requires manufacturers, distributors, and end users of architectural and industrial maintenance coatings to reduce VOC emissions from the use of these coatings, primarily by placing limits on the VOC content of various coating categories (SDAPCD 2015a).

3.3.2 San Diego Association of Governments

SANDAG is the regional planning agency for San Diego County and serves as a forum for regional issues relating to transportation, the economy, community development, and the environment. SANDAG serves as the federally designated metropolitan planning organization for San Diego County. With respect to air quality planning and other regional issues, SANDAG has prepared *San Diego Forward: The Regional Plan* (Regional Plan) for the San Diego region (SANDAG 2015). The Regional Plan combines the big-picture vision for how our region will

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grow over the next 35 years with an implementation program to help make that vision a reality. The Regional Plan, including its Sustainable Communities Strategy, is built on an integrated set of public policies, strategies, and investments to maintain, manage, and improve the transportation system so that it meets the diverse needs of the San Diego region through 2050.

In regard to air quality, the Regional Plan sets the policy context in which SANDAG participates in and responds to the air district's air quality plans and builds off the air district's air quality plan processes that are designed to meet health-based criteria pollutant standards in several ways (SANDAG 2015). First, it complements air quality plans by providing guidance and incentives for public agencies to consider best practices that support the technology-based control measures in air quality plans. Second, the Regional Plan emphasizes the need for better coordination of land use and transportation planning, which heavily influences the emissions inventory from the transportation sectors of the economy. This also minimizes land use conflicts, such as residential development near freeways, industrial areas, or other sources of air pollution.

On September 23, 2016, SANDAG's Board of Directors adopted the final *2016 Regional Transportation Improvement Program* (RTIP). The 2016 RTIP is a multi-billion dollar, multi-year program of projects for major transportation projects in the San Diego region. Transportation projects supported through federal, state, and TransNet (the San Diego transportation sales tax program) funds must be included in an approved RTIP. The programming of locally funded projects also may be programmed at the discretion of the agency. The 2016 RTIP covers five fiscal years and incrementally implements the Regional Plan (SANDAG 2016).

3.3.1 City of Escondido

Environmental Quality Regulations

The City has promulgated its Environmental Quality Regulations (EQR) in Escondido Municipal Code Chapter 33, Article 47, Division 1, Section 33-924, Coordination of CEQA, Quality of Life Standards, and Growth Management Provisions (City of Escondido 2015). The EQR outlines criteria for CEQA projects regarding consistency with the City's Public Facilities Master Plans and General Plan. The specific EQR criteria applicable to this Project are discussed in further detail in Section 5.1.2, City of Escondido Environmental Quality Regulations.

General Plan

The City's General Plan (City of Escondido 2012) includes various goals and policies designed to help improve air quality within the City. As discussed in the General Plan, policies pertaining to improving air quality are addressed in multiple chapters of the General Plan.

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The goals and policies for improving air quality in the General Plan are as follows:

Land Use and Community Form

1. Community Character

Goal 1: A community composed of distinct residential neighborhoods, business districts, and employment centers, whose urban form reflects the natural environmental setting.

Community Character Policy 1.9: Promote development in downtown, at transit stations, and other key districts to accommodate a mix of land uses and configure uses to promote walkability, bicycling, and transit uses, reducing the need for the automobile.

4. Neighborhood Maintenance & Preservation

Neighborhood Maintenance & Preservation Policy 4.3: Integrate pedestrian-friendly features, promote walkability, and work with residents to enhance existing neighborhood character and aesthetics.

7. Mixed Use Overlay Zones

Goal 7: Districts containing a mix of uses enabling residents to live close to their jobs, shopping, entertainment, and recreation, reducing the need to use the automobile and promoting walking and healthy lifestyles.

Mixed Use Overlay Policy 7.1: Designate areas for the development of mixed-use projects in a pedestrian-friendly environment integrating housing with retail, office, and service uses (childcare, health, etc.) consistent with the General Plan's vision and long-term growth needs.

Mobility and Infrastructure

1. Regional Transportation Planning

Goal 1: An accessible, safe, convenient, and integrated multi-modal network that connects all users and moves goods and people within the community and region efficiently.

3. Pedestrian Network

Pedestrian Network Policy 3.2: Develop and manage pedestrian facilities to maintain an acceptable Level of Service as defined in the Pedestrian Master Plan.

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Pedestrian Network Policy 3.3: Maintain a pedestrian environment that is accessible to all and that is safe, attractive, and encourages walking.

4. Bicycle Network

Bicycle Network Policy 4.2: Develop and manage bicycle facilities to maintain an acceptable Level of Service as defined in the Bicycle Master Plan.

Bicycle Network Policy 4.3: Promote bicycling as a common mode of transportation and recreation to help reduce traffic congestion and improve public health.

Resource Conservation

7. Air Quality and Climate Protection

Goal 7: Improved air quality in the city and the region to maintain the community's health and reduce greenhouse gas emissions that contribute to climate change.

Air Quality and Climate Protection Policy 7.3: Require that new development projects incorporate feasible measures that reduce construction and operational emissions.

Climate Action Plan

The City adopted the *Escondido Climate Action Plan* (E-CAP) in December 2013 (City of Escondido 2013). Although the E-CAP directly quantifies greenhouse gas (GHG) emissions and identifies policies to reduce GHG emissions, associated air quality co-benefits would accrue with implementation of many of the policies designed to reduce GHG emissions. For example, the following E-CAP emission reduction measures are anticipated to achieve air quality co-benefits:

R2-T1: Land Use Based Trips and VMT Reduction Policies (City of Escondido 2013, Page 4-9): This measure would focus land development projects around smart growth, complete streets, mixed-use projects, and transit oriented development to reduce VMT.

R2-T2: Bicycle Master Plan (City of Escondido 2013, Page 4-12): This measure would improve the bicycle network and facilities and reduce VMT.

R2-T3: Transit Improvements (City of Escondido 2013, Page 4-13): This measure would expand the public transportation system and reduce VMT.

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- R2-T4:** Transportation Demand Management (City of Escondido 2013, Page 4-14): This measure would encourage ride-sharing, carpooling, and alternative modes of transportation, thus reducing VMT.
- R2-E1:** Residential Energy Efficiency Requirements (City of Escondido 2013, Page 4-18): This measure would include installation of solar water heaters to replace natural gas water heaters.
- R2-E2:** Commercial Energy Efficiency Requirements (City of Escondido 2013, Page 4-19): This measure would include installation of solar water heaters to replace natural gas water heaters.
- R2-E3:** Residential Renewable Energy Requirements (City of Escondido 2013, Page 4-20): This measure would include installation of thermal water heaters to replace natural gas water heaters.
- R2-E4:** Commercial Renewable Energy Requirements (City of Escondido 2013, Page 4-21): This measure would include installation of thermal water heaters to replace natural gas water heaters.
- R2-E5:** Residential Energy Retrofits (City of Escondido 2013, Page 4-22): This measure would include installation of solar water heaters to replace natural gas water heaters.
- R2-E6:** Commercial Energy Retrofits (City of Escondido 2013, Page 4-23): This measure would include installation of solar water heaters to replace natural gas water heaters.
- R1-A2:** Electric Landscaping Equipment (City of Escondido 2013, Page 4-25): This measure would replace combustion landscaping equipment with electric equipment.
- R2-C1:** Construction Emissions Reductions (City of Escondido 2013, Page 4-32): This measure would reduce the amount of time construction equipment is used, replace combustion equipment with electric, and support a reduction in VMT.

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4 REGIONAL AND LOCAL AIR QUALITY CONDITIONS

4.1 San Diego Air Basin Attainment Status

Pursuant to the 1990 federal Clean Air Act Amendments, the EPA classifies air basins (or portions thereof) as “attainment” or “nonattainment” for each criteria air pollutant, based on whether the NAAQS have been achieved. Generally, if the recorded concentrations of a pollutant are lower than the standard, the area is classified as “attainment” for that pollutant. If an area exceeds the standard, the area is classified as “nonattainment” for that pollutant. As previously discussed, these standards are set by the EPA or CARB for the maximum level of a given air pollutant that can exist in the outdoor air without unacceptable effects on human health or the public welfare. If there is not enough data available to determine whether the standard is exceeded in an area, the area is designated as “unclassified” or “unclassifiable.” The designation of “unclassifiable/attainment” means that the area meets the standard or is expected to be meet the standard despite a lack of monitoring data. Areas that achieve the standards after a nonattainment designation are redesignated as maintenance areas and must have approved Maintenance Plans to ensure continued attainment of the standards. The California Clean Air Act, like its federal counterpart, called for the designation of areas as “attainment” or “nonattainment,” but based on CAAQS rather than the NAAQS.

Table 2 summarizes the SDAB’s federal and state attainment designations for each of the criteria pollutants.

Table 2
SDAB Attainment Classification

Pollutant	Federal Designation	State Designation
O ₃ (1-hour)	Attainment ^a	Nonattainment
O ₃ (8-hour – 1997) (8-hour – 2008)	Attainment (maintenance) Nonattainment (moderate)	Nonattainment
NO ₂	Unclassifiable/attainment	Attainment
CO	Attainment (maintenance)	Attainment
SO ₂	Not designated ^b	Attainment
PM ₁₀	Unclassifiable/attainment	Nonattainment
PM _{2.5}	Unclassifiable/attainment	Nonattainment
Lead	Unclassifiable/attainment	Attainment
Sulfates	No federal standard	Attainment
Hydrogen sulfide	No federal standard	Unclassified
Visibility-reducing particles	No federal standard	Unclassified
Vinyl chloride	No federal standard	No designation

Sources: ^a EPA 2016b; ^b CARB 2016c.

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Notes: SDAB = San Diego Air Basin; O₃ = ozone; NO₂ = nitrogen dioxide; CO = carbon monoxide; SO₂ = sulfur dioxide; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter.

Attainment = meets the standards; attainment/maintenance = achieve the standards after a nonattainment designation; nonattainment = does not meet the standards; unclassified or unclassifiable = insufficient data to classify; unclassifiable/attainment = meets the standard or is expected to be meet the standard despite a lack of monitoring data.

^a The federal 1-hour standard of 0.12 ppm was in effect from 1979 through June 15, 2005. The revoked standard is referenced here because it was employed for such a long period and because this benchmark is addressed in SIPs.

^b Federal designations for SO₂ are on hold by EPA; EPA expects to make the designations by December 2017 (EPA 2016d).

In summary, the SDAB is designated as an attainment area for the 1997 8-hour O₃ NAAQS and as a nonattainment area for the 2008 8-hour O₃ NAAQS. The SDAB is designated as a nonattainment area for O₃, PM₁₀, and PM_{2.5} CAAQS. The portion of the SDAB where the Project is located in is designated as attainment or unclassifiable/unclassified for all other criteria pollutants under the NAAQS and CAAQS.

4.2 Local Ambient Air Quality

CARB, air districts, and other agencies monitor ambient air quality at approximately 250 air quality monitoring stations across the state. Local ambient air quality is monitored by the SDAPCD. The SDAPCD operates a network of ambient air monitoring stations throughout San Diego County, which measure ambient concentrations of pollutants and determine whether the ambient air quality meets the CAAQS and the NAAQS. The SDAPCD monitors air quality conditions at 11 locations throughout the basin. The nearest SDAPCD-operated monitoring station in which criteria pollutants data was collected is the Escondido – East Valley Parkway monitoring station, which was located approximately 3.6 miles southeast of the Project site. This site was used to show the background ambient air quality for O₃, NO₂, CO, PM₁₀, and PM_{2.5}. The closest monitoring site that measures SO₂ is the El Cajon monitoring station located at 10537 Floyd Smith Drive, El Cajon, which is about 25 miles south of the site. The most recent background ambient air quality data and number of days exceeding the ambient air quality standards from 2013 to 2015 are presented in Table 3.

Table 3
Local Ambient Air Quality Data

Averaging Time	Unit	Agency/ Method	Ambient Air Quality Standard	Measured Concentration by Year			Exceedances by Year		
				2013	2014	2015	2013	2014	2015
Ozone – Escondido									
Maximum 1-hour concentration	ppm	State	0.09	0.084	0.099	0.079	0	1	0
Maximum 8-hour concentration	ppm	State	0.070	0.075	0.080	0.071	4	8	3
		Federal	0.070	0.074	0.079	0.071	4	7	2

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Table 3
Local Ambient Air Quality Data

Averaging Time	Unit	Agency/ Method	Ambient Air Quality Standard	Measured Concentration by Year			Exceedances by Year		
				2013	2014	2015	2013	2014	2015
Nitrogen Dioxide – Escondido									
Maximum 1-hour concentration	ppm	State	0.18	0.061	0.063	0.048	0	0	0
		Federal	0.100	0.061	0.063	0.048	0	0	0
Annual concentration	ppm	State	0.030	0.013	0.011	ND	—	—	—
		Federal	0.053	0.012	0.011	ND	—	—	—
Carbon Monoxide – Escondido									
Maximum 1-hour concentration	ppm	State	20	3.2	3.8	3.1	0	0	0
		Federal	35	3.2	3.8	3.1	0	0	0
Maximum 8-hour concentration	ppm	State	9.0	2.6	3.1	2.0	0	0	0
		Federal	9	2.6	3.1	2.0	0	0	0
Sulfur Dioxide – El Cajon									
Maximum 1-hour concentration	ppm	Federal	0.075	0.0065	0.001	0.0012	0	0	0
Maximum 24-hour concentration	ppm	Federal	0.14	0.0006	0.003	0.004	0	0	0
Annual concentration	ppm	Federal	0.030	0.00014	0.00014	0.00011	—	—	—
Coarse Particulate Matter ^a – Escondido									
Maximum 24-hour concentration	µg/m ³	State	50	82.0	44.0	31.0	6.0 (1) ^a	0.0 (0) ^a	— (0) ^a
		Federal	150	80.0	43.0	30.0	0.0 (0) ^a	0.0 (0) ^a	— (0) ^a
Annual concentration	µg/m ³	State	20	23.1	21.5	ND	—	—	—
Fine Particulate Matter ^a – Escondido									
Maximum 24-hour concentration	µg/m ³	Federal	35	56.3	77.5	29.4	1.1 (1) ^a	1.0 (1) ^a	—
Annual concentration	µg/m ³	State	12	10.5	9.6	ND	—	—	—
		Federal	12.0	11.0	9.9	ND	—	—	—

Sources: CARB 2016d; EPA 2016c.

Notes: ppm = parts per million by volume; ND = insufficient data available to determine the value; — = not available; µg/m³ = micrograms per cubic meter. Data taken from CARB iADAM (<http://www.CARB.ca.gov/adam>) and EPA AirData (<http://www.epa.gov/airdata/>) represent the highest concentrations experienced over a given year.

Daily exceedances for particulate matter are estimated days because PM₁₀ and PM_{2.5} are not monitored daily. All other criteria pollutants did not exceed federal or state standards during the years shown. There is no federal standard for 1-hour ozone, annual PM₁₀, or 24-hour SO₂, nor is there a state 24-hour standard for PM_{2.5}.

The Escondido monitoring station is located at 600 East Valley Parkway, Escondido, California.

The El Cajon monitoring station is located at 10537 Floyd Smith Drive, El Cajon, California.

^a Measurements of PM₁₀ and PM_{2.5} are usually collected every 6 days and every 1 to 3 days, respectively. Number of days exceeding the standards is a mathematical estimate of the number of days concentrations would have been greater than the level of the standard had each day been monitored. The numbers in parentheses are the measured number of samples that exceeded the standard.

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5 SIGNIFICANCE CRITERIA AND METHODOLOGY

5.1 Thresholds of Significance

5.1.1 CEQA Guidelines

The State of California has developed guidelines to address the significance of air quality impacts based on Appendix G of the CEQA Guidelines (14 CCR 15000 et seq.), which provides guidance that a project would have a significant environmental impact if it would:

- A. Conflict with or obstruct implementation of the applicable air quality plan.
- B. Violate any air quality standard or contribute substantially to an existing or projected air quality violation.
- C. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors).
- D. Expose sensitive receptors to substantial pollutant concentrations.
- E. Create objectionable odors affecting a substantial number of people.

Appendix G of the CEQA Guidelines indicates that, where available, the significance criteria established by the applicable air quality management district or pollution control district may be relied upon to determine whether a project would have a significant impact on air quality.

5.1.2 City of Escondido Environmental Quality Regulations

The EQR, as established in the City's Municipal Code Chapter 33, Article 47 provides guidelines on implementing CEQA for development projects proposed within the City. The EQR established screening thresholds to evaluate if additional analysis is required to determine whether a project would result in significant impacts under CEQA. Air quality impacts are addressed in Division 1, Section 33-924(a)(6), of the EQR. A project would require a technical study if, after mitigation, its air quality impacts for fixed, mobile, or construction sources within the General Plan area would exceed the thresholds identified in Table 4.

Table 4
City of Escondido Daily Emission Screening Level Criteria

Construction Emissions	
<i>Pollutant</i>	<i>Total Emissions (Pounds per Day)</i>
Volatile Organic Compounds (VOC)	75

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Table 4
City of Escondido Daily Emission Screening Level Criteria

Construction Emissions	
Oxides of Nitrogen (NO _x)	250
Carbon Monoxide (CO)	550
Oxides of Sulfur (SO _x)	250
Respirable Particulate Matter (PM ₁₀)	100
Fine Particulate Matter (PM _{2.5})	55
Operational Emissions	
<i>Pollutant</i>	<i>Total Emissions (Pounds per Day)</i>
Volatile Organic Compounds (VOC)	55
Oxides of Nitrogen (NO _x)	250
Carbon Monoxide (CO)	550
Oxides of Sulfur (SO _x)	250
Respirable Particulate Matter (PM ₁₀)	100
Fine Particulate Matter (PM _{2.5})	55

Source: City of Escondido 2015, Section 33-924(a)(6).

5.2 Approach and Methodology

5.2.1 Construction

Emissions from the construction phase of the Project were estimated using CalEEMod, Version 2016.3.1.

As described in Section 1.3, Project Description, the Project would construct 332 single-family homes, 60 condominiums, and a Village Center with a convenience store, clubhouse, restaurant, health club, and swimming pool. For the purposes of modeling, it was assumed that construction of the Project would commence in January 2018 and would last approximately 66 months, ending in June 2023. The analysis contained herein is based on the assumptions outlined in Table 5 (duration of phases is approximate). The Project schedule was based on information provided by the Project applicant for all horizontal construction. For the vertical construction phases, the CalEEMod default assumptions were used based on the land-use types.

Demolition of the existing Country Club building and associated structures would occur first. Following demolition, preparation of the Project site for building construction (i.e., grading, soil import, trenching for dry and wet utilities, and surface improvements) would commence, which was assumed to occur in four phases to represent four distinct regions. Three paving phases to represent offsite improvement areas on Country Club Lane, El Norte Parkway, and Nutmeg Street was also

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assumed to occur. One building construction phase and one architectural coating phase was assumed to represent continual building construction and painting without interruptions in the schedule.

**Table 5
Construction Phasing Assumptions**

Project Construction Phase	Construction Start Month/Year	Construction End Month/Year
<i>Phase 1</i>	<i>1/2018</i>	<i>4/2019</i>
Demolition	1/2018	3/2018
Grading	3/2018	5/2018
Trenching WU	5/2018	9/2018
Trenching DU	1/2019	3/2019
Surface Improvements	2/2019	4/2019
<i>Phase 2</i>	<i>5/2018</i>	<i>5/2019</i>
Grading	5/2018	7/2018
Trenching WU	1/2019	4/2019
Import	1/2019	3/2019
Trenching DU	3/2019	4/2019
Surface Improvements	4/2019	5/2019
<i>Phase 3</i>	<i>10/2018</i>	<i>6/2019</i>
Grading	10/2018	11/2018
Import	3/2019	4/2019
Trenching WU	4/2019	5/2019
Trenching DU	5/2019	6/2019
Surface Improvements	5/2019	6/2019
<i>Phase 4</i>	<i>11/2018</i>	<i>7/2019</i>
Grading	11/2018	12/2018
Import	4/2019	6/2019
Trenching WU	5/2019	7/2019
Trenching DU	6/2019	7/2019
Surface Improvements	7/2019	7/2019
<i>Other Project Construction Phases</i>		
Paving – Country Club & El Norte	5/2018	7/2018
Paving – Country Club & Nutmeg	2/2019	4/2019
Building Construction	3/2019	6/2023
Paving – El Norte & Nutmeg	4/2019	6/2019
Architectural Coating	1/2023	6/2023

Source: J T Kruer & Company 2017

Notes: WU = wet utilities; DU = dry utilities.

The construction equipment mix used for estimating the construction emissions of the Project is based on information provided by the applicant for all horizontal construction phases and is

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shown in Table 6. For the vertical construction phases, equipment was estimated using the CalEEMod defaults. For this analysis, it was assumed that heavy construction equipment would operate 5 days a week during Project construction.

**Table 6
Construction Scenario Assumptions**

Construction Phase	One-Way Vehicle Trips			Equipment		
	Average Daily Worker Trips	Average Daily Vendor Truck Trips	Total Haul Truck Trips	Equipment Type	Quantity	Usage Hours
Demolition – Phase 1	34	0	252	Crawler tractors	1	8
				Off-highway trucks	1	8
				Other construction equipment	5	8
Grading – Phase 1	56	0	0	Graders	2	8
				Off-highway trucks	5	8
				Rubber-tired dozers	3	8
				Scrapers	8	8
Trenching WU – Phase 1	26	0	0	Excavators	2	8
				Off-highway trucks	4	8
				Rubber-tired loaders	4	8
Grading – Phase 2	56	0	0	Graders	2	8
				Off-highway trucks	5	8
				Rubber-tired dozers	2	8
				Rubber-tired loaders	1	8
				Scrapers	8	8
Paving – Country Club & El Norte	26	0	0	Excavators	1	8
				Graders	1	8
				Off-highway trucks	2	8
				Pavers	1	8
				Rollers	1	8
				Rubber-tired loaders	2	8
Import – Phase 2	18	0	8,813	Graders	1	8
				Rubber-tired dozers	1	8
				Rubber-tired loaders	1	8
Trenching DU – Phase 1	14	0	0	Off-highway trucks	1	8
				Rubber-tired loaders	2	8
				Tractors/loaders/backhoes	2	8

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Table 6
Construction Scenario Assumptions

Construction Phase	One-Way Vehicle Trips			Equipment		
	Average Daily Worker Trips	Average Daily Vendor Truck Trips	Total Haul Truck Trips	Equipment Type	Quantity	Usage Hours
Trenching WU – Phase 2	26	0	0	Excavators	2	8
				Off-highway trucks	4	8
				Rubber-tired loaders	4	8
Grading – Phase 3	56	0	0	Graders	2	8
				Off-highway trucks	5	8
				Rubber-tired dozers	2	8
				Rubber-tired loaders	1	8
				Scrapers	8	8
Surface Improvements – Phase 1	20	4	0	Graders	2	8
				Pavers	1	8
				Paving equipment	1	8
				Rollers	1	8
				Rubber-tired loaders	1	8
				Scrapers	2	8
Paving – Country Club & Nutmeg	26	0	0	Excavators	1	8
				Graders	1	8
				Off-highway trucks	2	8
				Pavers	1	8
				Rollers	1	8
				Rubber-tired loaders	2	8
Grading – Phase 4	56	0	0	Graders	2	8
				Off-highway trucks	5	8
				Rubber-tired dozers	2	8
				Rubber-tired loaders	1	8
				Scrapers	8	8
Import – Phase 3	18	0	3,563	Graders	1	8
				Rubber-tired dozers	1	8
				Rubber-tired loaders	1	8
Trenching DU – Phase 2	14	0	0	Off-highway trucks	1	8
				Rubber-tired loaders	2	8
				Tractors/loaders/backhoes	2	8

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Table 6
Construction Scenario Assumptions

Construction Phase	One-Way Vehicle Trips			Equipment		
	Average Daily Worker Trips	Average Daily Vendor Truck Trips	Total Haul Truck Trips	Equipment Type	Quantity	Usage Hours
Import – Phase 4	20	0	10,125	Graders	1	8
				Off-highway trucks	1	8
				Rubber-tired dozers	1	8
				Rubber-tired loaders	1	8
Trenching WU – Phase 3	26	0	0	Excavators	2	8
				Off-highway trucks	4	8
				Rubber-tired loaders	4	8
Building Construction	182	54	0	Cranes	1	8
				Forklifts	3	8
				Generator sets	1	8
				Tractors/loaders/backhoes	3	8
				Welders	1	8
Paving – El Norte & Nutmeg	30	0	0	Excavators	1	8
				Graders	1	8
				Off-highway trucks	2	8
				Pavers	1	8
				Rollers	1	8
				Rubber-tired loaders	2	8
Surface Improvements – Phase 2	24	4	0	Graders	2	8
				Off-highway trucks	1	8
				Pavers	1	8
				Paving equipment	1	8
				Rollers	1	8
				Rubber-tired loaders	1	8
				Scrapers	2	8
Trenching DU – Phase 3	14	0	0	Off-highway trucks	1	8
				Rubber-tired loaders	2	8
				Tractors/loaders/backhoes	2	8
Trenching WU – Phase 4	26	0	0	Excavators	2	8
				Off-highway trucks	4	8
				Rubber-tired loaders	4	8
Surface Improvements – Phase 3	24	4	0	Graders	2	8
				Off-highway trucks	1	8
				Pavers	1	8

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Table 6
Construction Scenario Assumptions

Construction Phase	One-Way Vehicle Trips			Equipment		
	Average Daily Worker Trips	Average Daily Vendor Truck Trips	Total Haul Truck Trips	Equipment Type	Quantity	Usage Hours
				Paving equipment	1	8
				Rollers	1	8
				Rubber-tired loaders	1	8
				Scrapers	2	8
Trenching DU – Phase 4	14	0	0	Off-highway trucks	1	8
				Rubber-tired loaders	2	8
				Tractors/loaders/backhoes	2	8
Surface Improvements – Phase 4	24	4	0	Graders	2	8
				Off-highway trucks	1	8
				Pavers	1	8
				Paving equipment	1	8
				Rollers	1	8
				Rubber-tired loaders	1	8
				Scrapers	2	8
Architectural Coating	36	0	0	Air compressors	1	8

Source: Krueger, pers. comm. 2017.

Notes: WU = wet utilities; DU = dry utilities.

See Appendix A for details.

For the analysis, it was generally assumed that heavy construction equipment would be operating at the site for approximately 8 hours per day, 5 days per week (22 days per month) during Project construction. CalEEMod defaults were assumed for construction worker trips and vendor trips. The hauling trips were calculated based on the amount of material imported during the three import phases and assuming a 16 cubic yard truck. The Project is anticipated to import a total of 180,000 cubic yards of soil. The total area graded for the Project was estimated using the CalEEMod defaults. Demolition of the existing Country Club building and associated structures was estimated to total 55,297 square feet.

Construction of Project components would be subject to SDAPCD Rule 55 – Fugitive Dust Control. This rule requires that construction of Project components include steps to restrict visible emissions of fugitive dust beyond the property line (SDAPCD 2009b). Compliance with Rule 55 would limit fugitive dust (PM₁₀ and PM_{2.5}) that may be generated during grading and construction activities. Construction of Project components would also be subject to SDAPCD Rule 67.0.1 – Architectural Coatings. This rule requires manufacturers, distributors, and end users of architectural and industrial maintenance coatings to reduce VOC emissions from the use

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of these coatings, primarily by placing limits on the VOC content of various coating categories (SDAPCD 2015a). The Project would use architectural coatings that would not exceed 50 grams per liter (g/L) for interior applications and 100 g/L for exterior applications.

A detailed depiction of the construction schedule—including information regarding subphases, demolition, and equipment used during each subphase—is included in Appendix A of this report. The information contained in Appendix A was used as CalEEMod model inputs.

Blasting Emissions

Blasting would occur in all four phases of construction in the Project. The estimated emissions of NO_x, CO, and SO_x from explosives used for blasting were determined using emission factors in Section 13.3 (Explosives Detonation) of AP-42 (EPA 1980), and PM₁₀ and PM_{2.5} emissions were determined using Section 11.9 of AP-42 (EPA 1998). According to AP-42, “Unburned hydrocarbons also result from explosions, but in most instances, methane is the only species that has been reported” (EPA 1980); methane is not a VOC, and a methane emission factor has not been determined for ammonium nitrate/fuel oil (ANFO). The daily NO_x, CO, and SO_x emissions from blasting of explosive were calculated using the following equation:

$$\text{Rock Blasted (cubic yard/day)} \times 1 \text{ pound explosive/cubic yard} \div 2,000 \text{ pounds/ton} \\ \times \text{Emission Factor (pound/ton of explosive)} = \text{Pounds/day}$$

The PM₁₀ and PM_{2.5} emissions were calculated using the following equation:

$$E = k \times 0.000014 \times A^{1.5}$$

Where:

$$E = \text{pounds of PM}_{10} \text{ or PM}_{2.5} \text{ per blast}$$

$$k = \text{particle size multiplier (= 0.52 for PM}_{10} \text{ and 0.03 for PM}_{2.5})$$

$$A = \text{horizontal area shifted by each blast in square feet}$$

It should be noted that the AP-42 emission factors for explosives are based on studies conducted in the mid-1970s, over 35 years ago; however, no updated factors for blasting explosives were available. In addition, the PM₁₀ and PM_{2.5} emission factors from Section 11.9 of AP-42 were derived from methods for blasting operations at western surface coal mines, including those activities associated with removal of soil overburden. Thus, these factors may overestimate emissions for blasting of hard rock.

Table 7 shows the anticipated blasting quantities during each construction phase.

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Table 7
Blasting Characteristics

Activity	Phase 1	Phase 2	Phase 3	Phase 4
Blasting days	3	8	3	6
Blasted rock (cubic yards)	3,862	45,017	33	7,717
Blasted rock (cubic yards/day)	1,287	5,627	11	1,286
Explosive used (tons/day)	0.6	2.5	0.01	0.6
Area blasted (square feet)	31,908	129,393	1,322	65,132
Area blasted (square feet/day)	10,636	16,174	441	10,855

Source: Krueger, pers. comm. 2017.

A detailed depiction of the construction schedule—including information regarding subphases, demolition, and equipment used during each subphase—is included in Appendix A of this report. The information contained in Appendix A was used as CalEEMod model inputs.

Construction Emission Reduction Strategies

The following construction emission reduction strategies (non-mitigation measures) were quantitatively assumed in CalEEMod for purposes of estimating mitigated Project emissions (implementation of these strategies is not reflected in the unmitigated Project emissions):

- Regulatory Compliance Measures
 - SDAPCD Rule 55: Fugitive Dust – The applicant would perform dust suppression during the grading and surface improvement phases using application of water three times per day (SDAPCD 2009b).
 - SDAPCD Rule 67.0.1: Architectural Coatings – The applicant would use architectural coatings in accordance with this rule during construction, assumed to be 100 g/L for exterior applications and 50 g/L for interior applications (SDAPCD 2015a).
- Project Design Features
 - The Project would include an on-site speed limit of 15 miles per hour to reduce fugitive dust emissions.

5.2.2 Operation

Emissions from the operational phase of the Project were estimated using CalEEMod, Version 2016.3.1. An operational year of 2023 was assumed consistent with the construction schedule presented in Section 5.2.1, Construction.

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Area Sources

CalEEMod was used to estimate operational emissions from area sources, including emissions from consumer product use, architectural coatings, and landscape maintenance equipment. Emissions associated with natural gas usage in space heating and water heating are calculated in the building energy use module of CalEEMod, as described in the following text. The model also calculates the emissions from the combustion of wood or natural gas in stoves and fireplaces. The Project is designed to only use natural gas stoves and fireplaces.

Consumer products are chemically formulated products used by household and institutional consumers, including detergents; cleaning compounds; polishes; floor finishes; cosmetics; personal care products; home, lawn, and garden products; disinfectants; sanitizers; aerosol paints; and automotive specialty products. Other paint products, furniture coatings, or architectural coatings are not considered consumer products (CAPCOA 2016). Consumer product VOC emissions are estimated in CalEEMod based on the floor area of residential buildings and on the default factor of pounds of VOC per building square foot per day. The CalEEMod default values for consumer products were assumed.

VOC off-gassing emissions result from evaporation of solvents contained in surface coatings such as in paints and primers using during building maintenance. CalEEMod calculates the VOC evaporative emissions from application of surface coatings based on the VOC emission factor, the building square footage, the assumed fraction of surface area, and the reapplication rate. The VOC emission factor is based on the VOC content of the surface coatings, and SDAPCD's Rule 67.0.1 (Architectural Coatings) governs the VOC content for interior and exterior coatings. The model default reapplication rate of 10% of area per year is assumed. Consistent with CalEEMod defaults, it is assumed that the surface area for painting equals 2.7 times the floor square footage, with 75% assumed for interior coating and 25% assumed for exterior surface coating (CAPCOA 2016). CalEEMod defaults were assumed for the application of architectural coatings during operation as that would not be controlled by the Project applicant. As a conservative measure, CalEEMod default VOC contents were assumed for the reapplication of architectural coatings.

Landscape maintenance includes fuel combustion emissions from equipment such as lawn mowers, rototillers, shredders/grinders, blowers, trimmers, chainsaws, and hedge trimmers. The emissions associated from landscape equipment use are estimated based on CalEEMod default values for emission factors (grams per square foot of building space per day) and number of summer days (when landscape maintenance would generally be performed) and winter days. For San Diego County, the average annual number of summer days is estimated at 180 days (CAPCOA 2016).

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Energy Sources

As represented in CalEEMod, energy sources include emissions associated with building electricity and natural gas usage (non-hearth). Electricity use would contribute indirectly to criteria air pollutant emissions; however, the emissions from electricity use are only quantified for GHGs in CalEEMod, since criteria pollutant emissions occur at the site of the power plant, which is typically off site.

CalEEMod default values for energy consumption for each land use were applied for the Project analysis. The energy use from non-residential land uses is calculated in CalEEMod based on the California Commercial End-Use Survey database. The program uses data collected during the Residential Appliance Saturation Survey to develop energy intensity values (electricity and natural gas usage per square foot per year) for residential buildings. Energy use in buildings (both natural gas and electricity) is divided by the program into end use categories subject to Title 24 requirements (end uses associated with the building envelope, such as the HVAC system, water heating system, and integrated lighting) and those not subject to Title 24 requirements (such as appliances, electronics, and miscellaneous “plug-in” uses).

Title 24 of the California Code of Regulations serves to enhance and regulate California’s building standards. The most recent amendments to Title 24, Part 6, referred to as the 2016 standards, became effective on January 1, 2017.

The Project is committed to exceeding the 2016 Title 24 energy standards by 15%. The Project is also implementing rooftop solar photovoltaic energy production, which would cover 70% of residential building electricity use and 50% of the Village Center’s electricity use.

Mobile Sources

Following the completion of construction activities, the Project would generate criteria pollutant emissions from mobile sources (vehicular traffic), as a result of the residents and workers from the Project. The daily vehicle miles traveled were estimated using the CalEEMod default values for each land-use type. The maximum weekday trip rates were taken from the Transportation Impact Analysis study for the report (LLG 2017). The maximum weekday trip rate was then scaled up or down according to the CalEEMod default ratio according to each land use. The estimated trip lengths and trip modes were based on CalEEMod defaults for every land-use. CalEEMod model was used to estimate emissions from proposed vehicular sources (refer to Appendix A). CalEEMod default data, including temperature, trip characteristics, variable start information, emissions factors, and trip distances, were conservatively used for the model inputs. Project-related traffic was assumed to include a mixture of vehicles in accordance with the model outputs for traffic.

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Emission factors representing the vehicle mix and emissions for 2023 were conservatively used to estimate emissions associated with vehicular sources. The 2023 operational year represents the first year of Project build-out and would represent maximum daily operational emissions.

The Project is designed to improve the pedestrian network in the neighborhood through the use of a trail system that connects all residential villages, the Village Center, and the adjacent neighborhoods together. All new streets included in the Project would include street and intersection improvements to act as traffic calming measures (additional bicycle and pedestrian improvements). The Project would also include traffic calming measures for a few of the surrounding streets and intersections.

Operational Emission Reduction Strategies

The following operational emission reduction strategies (non-mitigation measures) were quantitatively assumed in CalEEMod for purposes of estimating mitigated Project emissions (implementation of these strategies is not reflected in the unmitigated Project emissions):

- Regulatory Compliance Measures
 - SDAPCD Rule 67.0.1: Architectural Coatings – The applicant would use architectural coatings in accordance with this rule during construction, assumed to be 100 g/L for exterior applications and 50 g/L for interior applications (SDAPCD 2015a).
- Project Design Features
 - Exceed 2016 Title 24 building energy efficiency standards by 15%.
 - Traffic calming measures for all new streets and existing affected streets and intersections (New Urban West Inc. 2017).
 - Improve the pedestrian network of the community by constructing an integrated walking trail that would connect the villages with the Village Center and adjacent community (New Urban West Inc. 2017).

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6 IMPACT ANALYSIS

6.1 Would the Project conflict with or obstruct implementation of the applicable air quality plan?

As mentioned in Section 3.3, Local Regulations, the SDAPCD and SANDAG are responsible for developing and implementing the clean air plans for attainment and maintenance of the ambient air quality standards in the basin—specifically, the SIP and RAQS.² The federal O₃ maintenance plan, which is part of the SIP, was adopted in 2012. The most recent O₃ attainment plan was adopted in 2016. The SIP includes a demonstration that current strategies and tactics will maintain acceptable air quality in the basin based on the NAAQS. The RAQS was initially adopted in 1991 and is updated on a triennial basis (most recently in 2016). The RAQS outlines SDAPCD's plans and control measures designed to attain the state air quality standards for O₃. The SIP and RAQS rely on information from CARB and SANDAG, including mobile and area source emissions as well as information regarding projected growth in the County as a whole and the cities in the County, to project future emissions and determine the strategies necessary for the reduction of emissions through regulatory controls. CARB mobile source emission projections and SANDAG growth projections are based on population, vehicle trends, and land use plans developed by the County and the cities in the County as part of the development of their general plans.

If a project proposes development that is greater than that anticipated in the local plan and SANDAG's growth projections, the project might be in conflict with the SIP and RAQS and may contribute to a potentially significant cumulative impact on air quality. The Project site is zoned S-P, which allows the site to be developed with residential, industrial, and commercial development. The Project would be consistent with the General Plan land use designation for the site and would not require a general plan amendment. While the SDAPCD does not provide guidance regarding the analysis of impacts associated with air quality plan conformance, the County's *Guidelines for Determining Significance and Report and Format and Content Requirements – Air Quality* does discuss conformance with the RAQS (County of San Diego 2007). The guidance indicates that if a project, in conjunction with other projects, contributes to growth projections that would not exceed SANDAG's growth projections for the City, the project would not be in conflict with the RAQS (County of San Diego 2007).

The Project is currently zoned as Residential Urban I as shown in the City of Escondido General Plan, Land Use Element (City of Escondido 2012). This designation allows up to 5.5 dwelling

² For the purpose of this discussion, the relevant federal air quality plan is the ozone maintenance plan (SDAPCD 2012). The RAQS is the applicable plan for purposes of state air quality planning. Both plans reflect growth projections in the basin.

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units per acre. Additionally, the City of Escondido Zoning Map designates the Project area as R-1-7, which allows single-family residential units with a minimum lot area of 7,000 square feet. The General Plan and Zoning Ordinance also allow for Planned Developments, which authorizes clustering on substantially smaller lots. The Project proposes an amendment to the Land Use Element of the General Plan that increases the flexibility of the Project to be designed in a manner that is better suited to meet the community vision to maximize open space area to buffer existing residences while also providing access to recreational and social amenities. The amendment proposes to use the Specific Plan Area designation and SP Zone.

Although the Project would be consistent with the underlying growth projections of the General Plan as shown above, the existing land use (golf course) was included in the current RAQS which did not provide growth in residential units, population, or vehicle trips. The Project is also requesting a zoning change as part of the Specific Plan to address the change in density. Although redesignation of this land use represents minor adjustments to the Project site (update of the zoning density), this new density would represent new designations that were not previously considered in the RAQS and SIP. Therefore impacts would be considered **potentially significant**.

Mitigation Measures

M-AQ-1 Prior to the San Diego Air Pollution Control District's (SDAPCD's) next triennial review of the Regional Air Quality Strategy, the City of Escondido (City) shall coordinate with SDAPCD to amend the growth assumptions using the Project's Specific Plan. This includes changing the designation of Residential Urban I and R-1-7 to Specific Plan Area and SP Zone within the proposed Project site.

Level of Significance After Mitigation

Impacts would be **less than significant** with mitigation.

6.2 Would the Project violate any air quality standard or contribute substantially to an existing or projected air quality violation?

Construction

Construction of the Project would result in the temporary addition of pollutants to the local airshed caused by on-site sources (i.e., off-road construction equipment, soil disturbance, and VOC off-gassing) and off-site sources (i.e., on-road haul trucks, vendor trucks, and worker vehicle trips). Construction emissions can vary substantially day to day, depending on the level of activity, the specific type of operation, and for dust, the prevailing weather conditions.

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Criteria air pollutant emissions associated with construction activity were quantified using CalEEMod. Default values provided by the program were used where detailed Project information was not available. A detailed depiction of the construction schedule—including information regarding phasing, equipment used during each phase, haul trucks, vendor trucks, and worker vehicles—is included in Section 5.2.1. The information contained in Appendix A was used as CalEEMod inputs.

Implementation of the Project would generate air pollutant emissions from entrained dust, off-road equipment, vehicle emissions, architectural coatings, and asphalt pavement application. Entrained dust results from the exposure of earth surfaces to wind from the direct disturbance and movement of soil, resulting in PM_{10} and $PM_{2.5}$ emissions. The Project is subject to SDAPCD Rule 55, Fugitive Dust Control. This rule requires that the Project take steps to restrict visible emissions of fugitive dust beyond the property line. Compliance with Rule 55 would limit fugitive dust (PM_{10} and $PM_{2.5}$) generated during grading and construction activities. To account for dust control measures in the calculations, it was assumed that the active sites would be watered at least two times daily, resulting in an approximately 55% reduction of particulate matter.

Exhaust from internal combustion engines used by construction equipment, haul trucks (dump trucks), vendor trucks (delivery trucks), and worker vehicles would result in emissions of VOC, NO_x , CO, SO_x , PM_{10} , and $PM_{2.5}$. The application of architectural coatings, such as exterior/interior paint and other finishes, would produce VOC emissions; however, the contractor is required to procure architectural coatings from a supplier in compliance with the requirements of SDAPCD Rule 67.0.1, Architectural Coatings. This rule requires manufacturers, distributors, and end users of architectural and industrial maintenance coatings to reduce VOC emissions from the use of these coatings, primarily by placing limits on the VOC content of various coating categories. VOC content used for this analysis include 100 g/L for exterior coatings and use of 50 g/L for interior coatings as outlined in SDAPCD Rule 67.0.1. The application of asphalt pavement would also produce VOC emissions.

The blasting occurring in Phases 1 through 4 would also generate combustion related emissions as previously discussed. The blasting would also generate fugitive dust emissions in the form of PM_{10} and $PM_{2.5}$. Table 8 shows the estimated maximum daily construction emissions associated with the construction of the Project without mitigation. Complete details of the emissions calculations are provided in Appendix A of this document.

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Table 8
Estimated Maximum Daily Unmitigated Construction Criteria Air Pollutant Emissions

Year	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
	<i>Pounds per Day</i>					
2018	35.00	430.16	354.41	5.39	51.82	21.85
2019	36.60	354.22	190.31	0.62	34.24	19.79
2020	3.22	27.24	24.55	0.06	3.10	1.66
2021	2.91	24.69	23.77	0.06	2.91	1.49
2022	2.65	22.36	23.13	0.06	2.75	1.33
2023	67.70	21.71	25.73	0.06	3.02	1.39
Maximum daily emissions	67.70	430.16	354.41	5.39	51.82	21.85
<i>City threshold</i>	75	250	550	250	100	55
Threshold exceeded?	No	Yes	No	No	No	No

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter.
See Appendix A for complete results.

As shown in Table 8, daily construction emissions would not exceed the significance thresholds for VOC, CO, SO_x, PM₁₀, or PM_{2.5}; however, daily emissions would exceed the significance thresholds for NO_x. It should be noted that the emissions in 2018 include the blasting emissions from the grading phase. Therefore, impacts during construction may be **potentially significant**.

Mitigation:

M-AQ-2 Prior to the commencement of grading activities within each phase of development, the City shall confirm that the following measures shall be adhered to during construction activities associated with the Project to reduce oxides of nitrogen (NO_x):

- a. For off-road equipment with engines rated at 75 horsepower or greater, no construction equipment shall be used that is less than Tier 3.

An exemption from these requirements may be granted by the City in the event that the Project applicant (or its designee) documents that:

1. Equipment with the required tier is not reasonably available (e.g., reasonability factors to be considered include those related to the commercial availability of the necessary equipment within the County of San Diego within the scheduled construction period).
2. Corresponding reductions in criteria air pollutant emissions are achieved from other construction equipment.

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3. For example, if a Tier 3 piece of equipment is not reasonably available at the time of construction and a lower tier equipment is used instead (e.g., Tier 2), another piece of utilized equipment could be upgraded from Tier 3 to a higher tier (e.g., Tier 4 Interim or Tier 4 Final) or replaced with an alternative-fueled (not diesel-fueled) equipment to offset the emission reductions associated with using a piece of equipment that does not meet Tier 3 standards. The permissibility to achieve greater emission reductions through the use of cleaner equipment engines to offset assumed emission reductions that are not feasibly achieved ensures that total Project-generated criteria air pollutant emissions from equipment operation are reduced, if an exemption is granted by the City.
- b. The engine size of construction equipment shall be the minimum size suitable for the required job.
- c. Construction equipment shall be maintained in accordance with the manufacturer's specifications.

Level of Significance After Mitigation

Table 9 presents the estimated maximum daily construction emissions generated during construction of the Project with implementation of **M-AQ-2**. The values shown are the maximum summer or winter daily emissions results from CalEEMod. Details of the emission calculations are provided in Appendix A.

Table 9
Estimated Mitigated Maximum Daily Construction Criteria Air Pollutant Emissions

Year	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
	<i>Pounds per Day</i>					
2018	10.38	112.05	392.40	5.39	25.60	5.25
2019	22.51	160.94	198.34	0.62	17.04	7.43
2020	2.71	21.42	24.74	0.06	2.71	1.31
2021	2.46	19.50	24.01	0.06	2.59	1.19
2022	2.27	17.83	23.44	0.06	2.49	1.10
2023	67.36	17.59	26.07	0.06	2.80	1.20
Maximum daily emissions	67.36	160.94	392.40	5.39	25.60	7.43
<i>City threshold</i>	75	250	550	250	100	55
Threshold exceeded?	No	No	No	No	No	No

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter.
See Appendix A for complete results.

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The values shown are the maximum summer or winter daily emissions results from CalEEMod. These emissions reflect CalEEMod “mitigated” output, which accounts for compliance with SDAPCD Rule 55 (Fugitive Dust) and Rule 67.0.1 (Architectural Coatings).

As shown in Table 9, maximum daily emissions with **M-AQ-2** would be below the City threshold. Therefore, construction-generated emissions would be considered **less than significant**.

Operation

The Project involves development of 392 residential units and the Village Center, including a convenience store, Clubhouse, health club, pool, and community farm. Operation of the Project would generate VOC, NO_x, CO, SO_x, PM₁₀, and PM_{2.5} emissions from mobile sources, including vehicle trips from future residents; area sources, including the use of consumer products, architectural coatings for repainting, and landscape maintenance equipment; and energy sources. As discussed in Section 5.2.2, Operation, pollutant emissions associated with long-term operations were quantified using CalEEMod. Project-generated mobile source emissions were estimated in CalEEMod based on Project-specific trip rates. CalEEMod default values were used to estimate emissions from the Project area and energy sources.

Table 10 presents the maximum daily area, energy, and mobile source emissions associated with operation (Year 2023) of the Project. The values shown are the maximum summer or winter daily emissions results from CalEEMod. Details of the emission calculations are provided in Appendix A.

Table 10
Estimated Maximum Daily Operational Criteria Air Pollutant Emissions

Emission Source	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
	<i>Pounds per Day</i>					
Area	23.29	6.88	35.15	0.04	0.71	0.71
Energy	0.24	2.02	0.94	0.01	0.16	0.16
Mobile	6.34	24.46	73.58	0.26	24.51	6.69
Total	29.87	33.36	109.67	0.31	25.38	7.55
<i>City threshold</i>	<i>55</i>	<i>250</i>	<i>550</i>	<i>250</i>	<i>100</i>	<i>55</i>
Threshold exceeded?	No	No	No	No	No	No

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter.

See Appendix A for complete results.

The values shown are the maximum summer or winter daily emissions results from CalEEMod. These emissions reflect CalEEMod “mitigated” output, which accounts for compliance with SDAPCD Rule 55 (Fugitive Dust) and Rule 67.0.1 (Architectural Coatings).

As shown in Table 10, the combined daily area, energy, and mobile source emissions would not exceed the City’s operational thresholds for VOC, NO_x, CO, SO_x, PM₁₀, and PM_{2.5}. Impacts associated with Project-generated operational criteria air pollutant emissions would be **less than significant**.

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Mitigation

No mitigation would be required during operation.

Level of Significance After Mitigation

Impacts would be less than significant without mitigation.

6.3 Would the Project result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?

Air pollution is largely a cumulative impact. The nonattainment status of regional pollutants is a result of past and present development, and the SDAPCD develops and implements plans for future attainment of ambient air quality standards. Based on these considerations, project-level thresholds of significance for criteria pollutants are relevant in the determination of whether a project's individual emissions would have a cumulatively significant impact on air quality. As described under Threshold B, the Project would have a less than significant impact for operation, that would have longterm implications for the region.

The SDAB is a nonattainment area for O₃ under the NAAQS and CAAQS. The poor air quality in the SDAB is the result of cumulative emissions from motor vehicles, off-road equipment, commercial and industrial facilities, and other emission sources. Projects that emit these pollutants or their precursors (i.e., VOCs and NO_x for O₃) potentially contribute to poor air quality. In analyzing cumulative impacts from a project, the analysis must specifically evaluate the project's contribution to the cumulative increase in pollutants for which the basin is designated as nonattainment for the CAAQS and NAAQS. If the project does not exceed thresholds and is determined to have less than significant project-specific impacts, it may still contribute to a significant cumulative impact on air quality if the emissions from the project, in combination with the emissions from other proposed or reasonably foreseeable future projects, are in excess of established thresholds. However, a project would only be considered to have a significant cumulative impact if the project's contribution accounts for a significant proportion of the cumulative total emissions (i.e., it represents a "cumulatively considerable contribution" to the cumulative air quality impact).

Additionally, for the basin, the RAQS serves as the long-term regional air quality planning document for the purpose of assessing cumulative operational emissions in the basin to ensure the SDAB continues to make progress toward NAAQS- and CAAQS-attainment status. As such,

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cumulative projects located in the San Diego region would have the potential to result in a cumulative impact to air quality if, in combination, they would conflict with or obstruct implementation of the RAQS. Similarly, individual projects that are inconsistent with the regional planning documents upon which the RAQS is based would have the potential to result in cumulative operational impacts if they represent development and population increases beyond regional projections.

The SDAB has been designated as a federal nonattainment area for O₃ and a state nonattainment area for O₃, PM₁₀, and PM_{2.5}. PM₁₀ and PM_{2.5} emissions associated with construction generally result in near-field impacts. The nonattainment status is the result of cumulative emissions from all sources of these air pollutants and their precursors within the basin. As discussed previously, the emissions of NO_x would exceed the City's significance levels for construction. Construction would be short term and temporary in nature. Once construction is completed, construction-related emissions would cease. However, during the exceedance the Project may impact local air quality and would be considered to have **potentially cumulatively considerable** impact.

Operational emissions generated by the Project would not exceed the significance thresholds for VOC, NO_x, CO, SO_x, PM₁₀, or PM_{2.5}, and would not cause a significant impact. As such, the Project would result in **less than significant** impacts to air quality relative to operational emissions.

Regarding long-term cumulative operational emissions in relation to consistency with local air quality plans, the SIP and RAQS serve as the primary air quality planning documents for the state and SDAB, respectively. The SIP and RAQS rely on SANDAG growth projections based on population, vehicle trends, and land use plans developed by the cities and the County as part of the development of their general plans. Therefore, projects that propose development that is consistent with the growth anticipated by local plans would be consistent with the SIP and RAQS and would not be considered to result in cumulatively considerable impacts from operational emissions. As stated previously, the Project would be consistent with the existing zoning and land use designation for the site, and would not result in significant regional growth that is not accounted for within the RAQS. Additionally, the Project is consistent with the existing use for the site; thus, at a regional level, it would be consistent with the underlying growth forecasts in the SIP and RAQS. As a result, the Project would not result in a cumulatively considerable contribution to regional O₃ concentrations or other criteria pollutant emissions. Cumulative impacts would be **less than significant** during operation.

Mitigation Measures

The Project would be required to implement mitigation measure **M-AQ-2**.

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Level of Significance After Mitigation

Emissions from construction would not exceed the City's daily emissions thresholds with mitigation. Therefore, the Project would have a **less than significant** cumulative significant impact.

6.4 Would the Project expose sensitive receptors to substantial pollutant concentrations?

Air quality varies as a direct function of the amount of pollutants emitted into the atmosphere, the size and topography of the air basin, and the prevailing meteorological conditions. Air quality problems arise when the rate of pollutant emissions exceeds the rate of dispersion. Reduced visibility, eye irritation, and adverse health impacts upon those persons termed "sensitive receptors" are the most serious hazards of existing air quality conditions in the area. Some land uses are considered more sensitive to changes in air quality than others, depending on the population groups and the activities involved. People most likely to be affected by air pollution, as identified by CARB, include children, the elderly, athletes, and people with cardiovascular and chronic respiratory diseases; however, for the purposes of this analysis, residents are also considered sensitive receptors. As such, sensitive receptors include residences, schools, playgrounds, child-care centers, athletic facilities, long-term health-care facilities, rehabilitation centers, convalescent centers, and retirement homes. The closest off-site sensitive receptors to the Project are residential land uses located adjacent to the Project site boundary.

Health Impacts of Toxic Air Contaminants

In addition to impacts from criteria pollutants, Project impacts may include emissions of pollutants identified by the state and federal government as TACs or HAPs. State law has established the framework for California's TAC identification and control project, which is generally more stringent than the federal project, and is aimed at TACs that are a problem in California. The state has formally identified more than 200 substances as TACs, including the federal HAPs, and is adopting appropriate control measures for sources of these TACs.

The greatest potential for TAC emissions during construction would be diesel particulate emissions from heavy equipment operations and heavy-duty trucks, and the associated health impacts to sensitive receptors. The closest sensitive receptors would be the residents adjacent to the golf course. Accordingly, a health risk assessment (HRA) was performed to evaluate the risk to sensitive receptors from Project-generated TAC emissions. The following paragraphs describe the HRA, and the detailed assessment is provided in Appendix B.

Health effects from carcinogenic air toxics are usually described in terms of cancer risk. The SDAPCD recommends an incremental cancer risk threshold of 10 in a million. "Incremental

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cancer risk” is the likelihood that a person continuously exposed to concentrations of TACs resulting from a project over a 70-year lifetime will contract cancer based on the use of standard risk-assessment methodology. The cancer burden is determined for the population located within the zone of impact, defined as the area within the one in one million cancer risk isopleth for a 70-year exposure. The Hotspots Analysis and Reporting Program Version 2 (HARP2) was used to generate an isopleth, which is a line of a constant value, showing the area exposed to a cancer risk above one in one million. Cancer burden was conservatively estimated by using the distance of the furthest receptor within the one in a million isopleth as the radius of a zone of impact.

Some TACs increase non-cancer health risk due to long-term (chronic) exposures. The Chronic Hazard Index (HIC) is the sum of the individual substance chronic hazard indices for all TACs affecting the same target organ system. The HIC estimates for all receptor types used the ‘OEHHA Derived’ calculation method, which uses high end exposure parameters for the inhalation and next top two exposure pathways and mean exposure parameters for the remaining pathways for non-cancer risk estimates. The HIC is the sum of the individual substance chronic hazard indices for all TACs affecting the same target organ system.³ A hazard index less than one (1.0) means that adverse health effects are not expected. Within this analysis, noncarcinogenic exposures of less than 1.0 are considered less than significant. The SDAPCD recommends a HIC significance threshold of 1.0 (project increment).

The air dispersion modeling methodology was based on generally accepted modeling practices of the SDAPCD (SDAPCD 2015b). Air dispersion modeling was performed using the EPA’s AERMOD (Version 16216r) modeling system (computer software) with the Lakes Environmental Software implementation/user interface, AERMOD View Version 9.3.0. The HRA followed the Office of Environmental Health Hazard Assessment (OEHHA) 2015 guidelines (OEHHA 2015) and SDAPCD Tier-1 techniques to calculate the health risk impacts at all receptors including the nearby residential receptors, the nearest school, and off-site worker receptors, as further discussed below. The dispersion modeling included the use of standard regulatory default options. AERMOD parameters were selected consistent with the SDAPCD and EPA guidance and identified as representative of the Project site and Project activities. Principal parameters of this modeling are presented in Table 11.

³ The Chronic Hazard Index estimates for all receptor types used the OEHHA Derived calculation method (OEHHA 2015).

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Table 11
AERMOD Principal Parameters

Parameter	Details
Meteorological Data	AERMOD-specific meteorological data from SDAPCD's Escondido monitoring station for a 3-year (2010 through 2012) was obtained from the SDAPCD in a preprocessed format suitable for use in AERMOD.
Urban versus Rural Option	Urban dispersion option was utilized due to the residentially developed nature of the project area.
On-site Buildings	No buildings were included for this construction scenario as area sources were conservatively assessed.
Terrain Characteristics	The terrain in the immediate vicinity of the project site is generally variable (flat and elevated) with hills to the north. The elevation of the site ranges from 220 to 275 meters above sea level. Construction area sources were modeled at ground level.
Elevation Data	Digital elevation data were imported into AERMOD and elevations were assigned to the emission sources and receptors. Digital elevation data were obtained through AERMOD View in the United States Geological Survey's National Elevation Dataset format with a 7.5 minute resolution.
Emission Sources and Release Parameters	Area sources were used to model the construction scenario. Release parameters for each source were consistent with guidance documents from EPA as recommended by the SDAPCD.
Source Release Characterizations	The construction area was divided into segmentations best representing location of maximum exposure. An initial vertical dimension of 1.2 meters and release height of 5 meters was used in accordance with EPA's guidance. This initial vertical dimension is appropriate for an elevated source not on or adjacent to a building or structure.

Note: See Appendix B.

This HRA evaluated impacts nesting a grid of receptors with initial rectangular 50-meter spacing to focus on the nearby residences and occupational exposures. This receptor analysis utilized 100-meter, 250-meter, and then 500-meter resolution nested grids covering a total 5.95-kilometer by 3.60-kilometer rectangular area. This nested grid network of receptors established an impact analysis area where locations of maximum cancer risk and short and long term hazard indices would occur. This analysis also placed discretely located Cartesian receptors to evaluate the maximum exposure for schools. Residences are located immediately adjacent to the construction project site's property boundaries.

Health risk calculations were performed using the California Air Resources Board's Hotspots Analysis and Reporting Program (HARP2) Air Dispersion Modeling and Risk Tool (ADMRT, version 17052). AERMOD was run with all construction area sources emitting 1 gram per second for each individual source area meter to obtain necessary "unity concentration," input values for HARP2. These dispersion factor values that were determined for each source using AERMOD were imported into HARP2, then multiplied by annual emissions to determine ground-level concentrations for each pollutant. These ground-level concentrations are then used to estimate the long-term cancer health risk to an individual, and the non-cancer chronic and acute health indices.

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Construction of Project components would require use of heavy-duty construction equipment, which is subject to a CARB Airborne Toxics Control Measure for in-use diesel construction equipment to reduce diesel particulate emissions, and would involve use of diesel trucks, which are also subject to an Airborne Toxics Control Measure. Construction of Project components would occur in four phases lasting a total of 5.5 years and would be periodic and short term within each phase. Following completion of construction activities, Project-related TAC emissions would cease. The results of the HRA during construction and operation are provided in Table 12.

Table 12
Construction Activity Health Risk Assessment Results

Impact Parameter	Units	Project Impact	CEQA Threshold	Level of Significance
Maximum Individual Cancer Risk—Residential	Per Million	8.43	10	Less than Significant
Maximum Individual Cancer Risk—Worker	Per Million	0.80	10	Less than Significant
Maximum Individual Cancer Risk—Sensitive Receptor (Schools)	Per Million	0.33	10	Less than Significant
Maximum Chronic Hazard Index	Not Applicable	0.003	1.0	Less than Significant

Source: SDAPCD 2015b.

Notes: CEQA = California Environmental Quality Act; HRA = Health Risk Assessment

As shown in Table 12, project construction activities would result in a residential maximum individual cancer risk of 8.43 in one million exposures which is below the significance threshold of 10 in 1 million. Project construction would result in a worker cancer risk of 0.8 in one million exposures which is below the significance threshold of 10 in 1 million. Project construction would also result in maximum Sensitive Receptor Cancer Risk of 0.33 in one million exposures at the North Broadway Elementary School, which is below the significance threshold of 10 in 1 million. Project construction would also result in maximum chronic hazard index of 0.003, far below the significance threshold of 1.0. The project construction TACs impact from DPM emissions would be **less than significant**.

Health Impacts of Carbon Monoxide

As described previously, exposure to high concentrations of CO can result in dizziness, fatigue, chest pain, headaches, and impairment of central nervous system functions. Mobile-source impacts, including those related to CO, occur essentially on two scales of motion. Regionally, Project-related construction travel would add to regional trip generation and increase the VMT within the local airshed and the SDAB. Locally, construction traffic would be added to the roadway system in the vicinity of the Project site. Although the SDAB is currently an attainment area for CO, there is a potential for the formation of microscale CO “hotspots” to occur

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immediately around points of congested traffic. Hotspots can form if such traffic occurs during periods of poor atmospheric ventilation, is composed of a large number of vehicles cold-started and operating at pollution-inefficient speeds, and/or is operating on roadways already crowded with non-Project traffic. Because of continued improvement in vehicular emissions at a rate faster than the rate of vehicle growth and/or congestion, the potential for CO hotspots in the SDAB is steadily decreasing.

CO transport is extremely limited and CO disperses rapidly with distance from the source. Under certain extreme meteorological conditions, however, CO concentrations near a congested roadway or intersection may reach unhealthy levels, affecting sensitive receptors such as residents, school children, hospital patients, and the elderly. Typically, high CO concentrations are associated with urban roadways or intersections operating at an unacceptable level of service (LOS). Projects contributing to adverse traffic impacts may result in the formation of CO hotspots.

To verify that the Project would not cause or contribute to a violation of the CO standards, a screening evaluation of the potential for CO hotspots was conducted. The California Department of Transportation (Caltrans) and the University of California, Davis, Institute of Transportation Studies *Transportation Project-Level Carbon Monoxide Protocol* (CO Protocol) (Caltrans 2010) were followed. CO hotspots are typically evaluated when (1) the LOS of an intersection or roadway decreases to LOS E or worse, (2) signalization and/or channelization is added to an intersection, and (3) sensitive receptors such as residences, schools, and hospitals are located in the vicinity of the affected intersection or roadway segment.

The Transportation Impact Analysis prepared for the Project (LLG 2017) analyzed Existing, Existing Plus Project, and Horizon Year 2035 conditions at 17 intersections near the Project site. The results of the LOS assessment show that under Existing Plus Project conditions, 9 of the 17 study intersections are forecast to operate at unacceptable LOS (LOS E or worse) during the peak hours. As shown in Appendix B, the nine key study intersections according to the criteria above are (1) Centre City Parkway at Nutmeg Street (LOS F in AM and PM); (2) Country Club Lane and Golden Circle Drive (LOS F in AM and PM); (3) Country Club Lane and Gary Lane (LOS F in AM); (4) Country Club Lane and Nutmeg Street (LOS F in AM and PM); (5) El Norte Parkway and Woodland Parkway (LOS F in AM and LOS E in PM); (6) El Norte Parkway and Country Club Lane (LOS F in AM and PM); (7) El Norte Parkway and Nutmeg Street and Nordahl Road (LOS E in PM); (8) El Norte Parkway and Centre City Parkway (LOS E in AM and PM); and (9) El Norte Parkway and Broadway (LOS F in AM and PM). The remaining key intersections currently operate at an acceptable LOS during the AM and PM peak hours in both Near Term and Horizon scenarios.

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For each scenario (Existing, Existing Plus Project, and Horizon Year 2035), the screening evaluation presents LOS and whether a quantitative CO hotspots analysis may be required. According to the CO Protocol, there is a cap on the number of intersections that need to be analyzed for any one project. For a single project with multiple intersections, only the three intersections representing the worst LOS ratings of the project, and, to the extent they are different intersections, the three intersections representing the highest traffic volumes, need be analyzed. For each intersection failing a screening test as described in this protocol, an additional intersection should be analyzed (Caltrans 2010).

Based on the CO hotspot screening evaluation (Appendix C), out of the nine intersections that were at LOS E or worse were evaluated based on their geometries. The nine intersections represented three different types of geometries. The intersection with the highest volume was selected to represent each type of geometry, which was Country Club Lane and Golden Circle Drive, Country Club Lane and Nutmeg Street, and El Norte Parkway and Nutmeg Street. All three intersections were evaluated in the Near Term and Horizon scenarios for CO Hotspots. For each intersection, the highest volume (AM or PM) was used in the analysis as the worst-case scenario. The potential impact of the Project on local CO levels was assessed at these intersections with the Caltrans CL4 interface based on the California LINE Source Dispersion Model (CALINE4), which allows microscale CO concentrations to be estimated along each roadway corridor or near intersections (Caltrans 1998a).

The emissions factor represents the weighted average emissions rate of the local San Diego County vehicle fleet expressed in grams per mile per vehicle. Consistent with the traffic scenario, emissions factors for 2023 and 2035 were used for the two intersections. Emissions factors were predicted by EMFAC2014 based on a 5-mile-per-hour (mph) average speed for all of the intersections for approach and departure segments. The hourly traffic volume anticipated to travel on each link, in units of vehicles per hour, was based on information provided by the traffic consultant and modeling assumptions are outlined in Appendix C.

Four receptor locations were modeled at each intersection to determine CO ambient concentrations. A receptor was assumed on the sidewalk at each corner of the modeled intersections, to represent the future possibility of extended outdoor exposure. CO concentrations were modeled at these locations to assess the maximum potential CO exposure that could occur in 2023 and 2035. A receptor height of 5.9 feet (1.8 meters) was used in accordance with Caltrans recommendations for all receptor locations (Caltrans 1998b).

The SCAQMD guidance recommends using the highest 1-hour measurement in the last 3 years as the projected future 1-hour CO background concentration for the analysis. A CO concentration of 3.8 parts per million by volume (ppm) was recorded in 2014 for the Escondido monitoring station

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in San Diego and was assumed in the CALINE4 model for 2023 and 2035 (CARB 2016b). To estimate an 8-hour average CO concentration, a persistence factor of 0.70, as calculated based on SCAQMD guidance (SCAQMD 1993), was applied to the output values of predicted concentrations in ppm at each of the receptor locations.

The results of the model are shown in Table 13. Model input and output data are provided in Appendix C.

Table 13
CALINE4 Predicted Carbon Monoxide Concentrations

Intersection	Maximum Modeled Impact (ppm)	
	1-hour	8-hour ^a
Country Club Lane and Golden Circle Drive 2023	3.4	2.39
Country Club Lane and Golden Circle Drive 2035	3.4	2.39
Country Club Lane and Nutmeg Street 2023	3.5	2.46
Country Club Lane and Nutmeg Street 2035	3.5	2.46
El Norte Parkway and Nutmeg Street and Nordahl Road 2023	3.6	2.53
El Norte Parkway and Nutmeg Street and Nordahl Road 2035	3.6	2.53

Source: Caltrans 1998a (CALINE4).

Notes: ppm = parts per million by volume.

^a 8-hour concentrations were obtained by multiplying the 1-hour concentration by a persistence factor of 0.70 (SCAQMD 1993).

As shown in Table 13, the maximum CO concentration predicted for the 1-hour averaging period at the studied intersections would be 3.6 ppm, which is below the 1-hour CO CAAQS of 20 ppm (CARB 2016b). The maximum predicted 8-hour CO concentration of 2.53 ppm at the studied intersections would be below the 8-hour CO CAAQS of 9.0 ppm (CARB 2013). Neither the 1-hour nor 8-hour CAAQS would be equaled or exceeded at any of the intersections studied. Accordingly, the Project would not cause or contribute to violations of the CAAQS and would not result in exposure of sensitive receptors to localized high concentrations of CO. As such, impacts to sensitive receptors with regard to potential CO hotspots resulting from Project contribution to cumulative traffic-related air quality impacts would be **less than significant**.

Health Impacts of Other Criteria Air Pollutants

Construction of the Project would result in NO_x emissions that exceed the City's mass-emission thresholds; all other criteria pollutants were found to be less than significant. Specific VOCs may be TACs; however, the specific VOCs associated with Project construction are unknown. Some VOCs would be associated with motor vehicles and construction equipment, while others are associated with architectural coatings, the emissions of which would not result in the exceedances of the City's threshold as shown in Table 6. Generally, the VOCs in architectural

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coatings are of relatively low toxicity. Additionally, SDAPCD Rule 67.0.1 restricts the VOC content of coatings for both construction and operational applications.

Operation of the Project would not result in emissions that exceed the City's emission thresholds for any criteria air pollutants, including VOCs, NO_x, CO, SO_x, PM₁₀, or PM_{2.5}. Regarding VOCs, some VOCs would be associated with motor vehicles and construction equipment, while others are associated with architectural coatings, the emissions of which would not result in the exceedances of the City's thresholds as shown in Table 6. Generally, the VOCs in architectural coatings are of relatively low toxicity.

In addition, VOCs and NO_x are precursors to O₃, for which the SDAB is designated as nonattainment with respect to the NAAQS and CAAQS (the SDAB is designated by the EPA as an attainment area for the 1-hour O₃ NAAQS standard and 1997 8-hour NAAQS standard). The health effects associated with O₃, as discussed in Section 3.2, State Regulations, are generally associated with reduced lung function. The contribution of VOCs and NO_x to regional ambient O₃ concentrations is the result of complex photochemistry. The increases in O₃ concentrations in the SDAB due to O₃ precursor emissions tend to be found downwind from the source location to allow time for the photochemical reactions to occur. However, the potential for exacerbating excessive O₃ concentrations would also depend on the time of year that the VOC emissions would occur because exceedances of the O₃ ambient air quality standards tend to occur between April and October, when solar radiation is highest.

The holistic effect of a single project's emissions of O₃ precursors is speculative due to the lack of quantitative methods to assess this impact. Nonetheless, the VOC and NO_x emissions associated with project construction could minimally contribute to regional O₃ concentrations and the associated health impacts. As described in Section 3.1, Federal Regulations, O₃ health impacts are associated with respiratory irritation, which may be experienced by nearby receptors during the periods of heaviest use of off-road construction equipment. However, these operations would be relatively short term, and application of mitigation measures (**M-AQ-1**) would help to mitigate this impact. Nevertheless, health impacts would be considered potentially significant during construction. Due to the minimal contribution during operation, as well as the existing good air quality in coastal San Diego areas, operation health impacts would be **less than significant** during operation.

Construction and operation of the Project would not exceed thresholds for PM₁₀ or PM_{2.5} and would not contribute to exceedances of the NAAQS and CAAQS for particulate matter. The Project would also not result in substantial DPM emissions during construction and operation and therefore, would not result in significant health effects related to DPM exposure. Due to the

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minimal contribution of particulate matter during construction and operation, health impacts would be **less than significant**.

Regarding NO₂, according to the construction emissions analysis, construction of the Project would contribute to exceedances of the NAAQS and CAAQS for NO₂ during construction. As described in Section 3.2, NO₂ and NO_x health impacts are associated with respiratory irritation, which may be experienced by nearby receptors during the periods of heaviest use of off-road construction equipment. Additionally, off-road construction equipment would be operating at various portions of the site and would not be concentrated in one portion of the site at any one time. Construction of the Project would not require any stationary emission sources that would create substantial, localized NO_x impacts. Therefore, although the construction related health impacts would be short term and temporary, they would be considered **potentially significant**.

In summary, construction of the Project would result in exceedances of the City's emission thresholds although operation of the Project would not. CO tends to be a localized impact associated with congested intersections. The associated CO "hotspots" were discussed previously as a less-than-significant impact. Thus, the Project's CO emissions would not contribute to significant health effects associated with this pollutant. PM₁₀ and PM_{2.5} would not contribute to potential exceedances of the NAAQS and CAAQS for particulate matter and would not obstruct the SDAB from coming into attainment for these pollutants and would not contribute to significant health effects associated with particulates. Therefore, health impacts associated with criteria air pollutants would be considered **potentially significant**.

Mitigation Measures

The Project would be required to implement mitigation measure **M-AQ-2**.

Level of Significance After Mitigation

The Project would not exceed the City's mass-emissions thresholds during construction or operation with mitigation. The Project also does not exceed the significance threshold for TACs or create a CO hotspot. Therefore, emissions would be **less than significant**.

6.5 Would the Project create objectionable odors affecting a substantial number of people?

The State of California Health and Safety Code, Division 26, Part 4, Chapter 3, Section 41700 and SDAPCD Rule 51, commonly referred to as public nuisance law, prohibits emissions from any source whatsoever in such quantities of air contaminants or other material that cause injury, detriment, nuisance, or annoyance to the public health or damage to property. Projects required

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to obtain permits from SDAPCD are evaluated by SDAPCD staff for potential odor nuisance, and conditions may be applied (or control equipment required) where necessary to prevent occurrence of public nuisance.

Section 6318 of the San Diego County Zoning Ordinance requires that all commercial and industrial uses be operated so as not to emit matter causing unpleasant odors that are perceptible by the average person at or beyond any lot line of the lot containing said uses. Section 6318 goes on to further provide specific dilution standards that must be met “at or beyond any lot line of the lot containing the uses” (County of San Diego 1979). SDAPCD Rule 51 (Public Nuisance) also prohibits emission of any material that causes nuisance to a considerable number of persons or endangers the comfort, health, or safety of any person. A project that proposes a use that would produce objectionable odors would be deemed to have a significant odor impact if it would affect a considerable number of off-site receptors. Odor issues are very subjective by the nature of odors themselves and due to the fact that their measurements are difficult to quantify. As a result, this guideline is qualitative, and will focus on the existing and potential surrounding uses and location of sensitive receptors.

The occurrence and severity of potential odor impacts depends on numerous factors. The nature, frequency, and intensity of the source; the wind speeds and direction; and the sensitivity of receiving location each contribute to the intensity of the impact. Although offensive odors seldom cause physical harm, they can be annoying and cause distress among the public and generate citizen complaints.

Odors would be potentially generated from vehicles and equipment exhaust emissions during construction of the Project. Potential odors produced during construction would be attributable to concentrations of unburned hydrocarbons from tailpipes of construction equipment, architectural coatings, and asphalt pavement application. Such odors would disperse rapidly from the Project site and generally occur at magnitudes that would not affect substantial numbers of people. Therefore, impacts associated with odors during construction would be less than significant.

Land uses and industrial operations associated with odor complaints include agricultural uses, wastewater treatment plants, food-processing plants, chemical plants, composting, refineries, landfills, dairies, and fiberglass molding (SCAQMD 1993). The Project includes residential and commercial uses, as well as an on-site community farm that is approximately 1 acre in size. The community farm, which would be professionally managed, would be considered a land use that is commonly associated with odors due to the presence of fertilizers, pesticides, and herbicides. The community farm was located within the Village Center as the furthest amenity from planned and existing residents, providing a buffer from any potential odors. However, as discussed in Section 2.5, Hazards and Hazardous Materials, of the Project EIR, the Project would incorporate

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an Agriculture Operations Plan as part of the Specific Plan, which would guide the use of community farm-related materials. Performance standards for agricultural operations at the community farm would be included as part of the Agricultural Operations Plan to ensure objectionable odors would not be generated during community farm operations. Therefore, Project operations would result in an odor impact that would **be less than significant**.

Mitigation Measures

None required.

Level of Significance After Mitigation

Impacts would be less than significant without mitigation.

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APPENDIX C

CO Hotspots Analysis

APPENDIX A

Detailed Calculation Tables

CalEEMod Emissions Including Regulatory Measures and Project Design Features

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Annual

Escondido Villages Specific Plan Project - Unmitigated

San Diego County APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	13.40	1000sqft	0.31	13,400.00	0
Other Asphalt Surfaces	63.00	Acre	63.00	2,744,280.00	0
Parking Lot	150.00	Space	1.35	60,000.00	0
City Park	57.11	Acre	57.11	2,487,711.60	0
Health Club	2.00	1000sqft	0.05	2,000.00	0
Quality Restaurant	3.00	1000sqft	0.07	3,000.00	0
Recreational Swimming Pool	2.50	1000sqft	0.06	2,500.00	0
Condo/Townhouse	60.00	Dwelling Unit	4.40	96,000.00	172
Single Family Housing	332.00	Dwelling Unit	27.61	743,800.00	950
Supermarket	1.00	1000sqft	0.02	1,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2023
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	500.76	CH4 Intensity (lb/MW hr)	0.02	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Based on applicant provided project schedule. SDG&E GHG emission factors adjusted for RPS in 2023.

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Annual

Land Use - Based on Escondido Villages Specific Plan Project.

Construction Phase - Based on ECC Phased schedule.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - PH 1 ECC AQ EquipmentList

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - PH 1 ECC AQ EquipmentList

Off-road Equipment - PH 1 ECC AQ EquipmentList

Off-road Equipment - PH 2 ECC AQ EquipmentList

Off-road Equipment - PH 3 ECC AQ EquipmentList

Off-road Equipment - PH 4 ECC AQ EquipmentList

Off-road Equipment - PH 2 ECC AQ EquipmentList

Off-road Equipment - PH 3 ECC AQ EquipmentList

Off-road Equipment - PH 4 ECC AQ EquipmentList

Off-road Equipment - Off-Site-ECC-AQ-EquipmentList

Off-road Equipment - Off-Site-ECC-AQ-EquipmentList

Off-road Equipment - Off-Site-ECC-AQ-EquipmentList

Off-road Equipment - PH 1 ECC AQ EquipmentList

Off-road Equipment - PH 2 ECC AQ EquipmentList

Off-road Equipment - PH 3 ECC AQ EquipmentList

Off-road Equipment - PH 4 ECC AQ EquipmentList

Off-road Equipment - PH 1 ECC AQ EquipmentList

Off-road Equipment - PH 2 ECC AQ EquipmentList

Off-road Equipment - PH 3 ECC AQ EquipmentList

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Annual

Off-road Equipment - PH 4 ECC AQ EquipmentList
Off-road Equipment - PH 1 ECC AQ EquipmentList

Off-road Equipment - PH 2 ECC AQ EquipmentList

Off-road Equipment - PH 3 ECC AQ EquipmentList

Off-road Equipment - PH 4 ECC AQ EquipmentList

Trips and VMT - CalEEMod defaults.

On-road Fugitive Dust - CalEEMod defaults.

Demolition - Based on square footage of existing golf course clubhouse and amenities.

Grading - PH 2 ECC AQ Equipmentlist, PH 3 ECC AQ EquipmentList, PH 4 ECC AQ EquipmentList

Architectural Coating - In accordance with SDAPCD Rule 67.0.1 and use of low-VOC coatings.

Vehicle Trips - Based on traffic impact assessment.

Vehicle Emission Factors - CalEEMod defaults.

Vehicle Emission Factors - CalEEMod defaults.

Vehicle Emission Factors - CalEEMod defaults.

Road Dust - CalEEMod defaults.

Woodstoves - Based on Escondido Village Specific Plan. No wood burning stoves or fireplaces will be installed.

Consumer Products - CalEEMod defaults.

Area Coating - CalEEMod defaults.

Landscape Equipment - CalEEMod defaults.

Energy Use - CalEEMod defaults.

Water And Wastewater - CalEEMod defaults.

Solid Waste - CalEEMod defaults.

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Annual

Land Use Change - Based on conversion of the existing golf course and open space/parks planned.

Construction Off-road Equipment Mitigation - Dust suppression in accordance with SDAPCD Rule 55.

Mobile Land Use Mitigation - 75% of the project streets and intersections have traffic calming measures per the SAP. The trail system connects project site with off-site amenities.

Mobile Commute Mitigation -

Area Mitigation - Only natural gas hearths will be installed. VOC content for architectural coatings in accordance with SDAPCD Rule 67.0.1.

Energy Mitigation - All residential electricity use will be offset by solar PV. The project will exceed the 2016 Title 24 standards by 15%.

Water Mitigation - Project will utilize recycled water for landscaping and park irrigation and low-flow fixtures.

Waste Mitigation - 50% solid waste diversion assumed in accordance with AB 939.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	250	100
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	250	100
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	100
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	50
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3

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tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	NumberGas	33.00	60.00
tblFireplaces	NumberGas	182.60	332.00
tblFireplaces	NumberNoFireplace	6.00	0.00
tblFireplaces	NumberNoFireplace	33.20	0.00
tblFireplaces	NumberWood	21.00	0.00
tblFireplaces	NumberWood	116.20	0.00
tblFleetMix	FleetMixLandUseSubType	General Office Building	City Park
tblFleetMix	FleetMixLandUseSubType	Other Asphalt Surfaces	Condo/Townhouse
tblFleetMix	FleetMixLandUseSubType	Parking Lot	General Office Building
tblFleetMix	FleetMixLandUseSubType	City Park	Health Club
tblFleetMix	FleetMixLandUseSubType	Health Club	Other Asphalt Surfaces
tblFleetMix	FleetMixLandUseSubType	Quality Restaurant	Parking Lot
tblFleetMix	FleetMixLandUseSubType	Recreational Swimming Pool	Quality Restaurant

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tblFleetMix	FleetMixLandUseSubType	Condo/Townhouse	Recreational Swimming Pool
tblGrading	MaterialImported	0.00	28,500.00
tblGrading	MaterialImported	0.00	81,000.00
tblGrading	MaterialImported	0.00	70,500.00
tblLandUse	BuildingSpaceSquareFeet	60,000.00	96,000.00
tblLandUse	BuildingSpaceSquareFeet	597,600.00	743,800.00
tblLandUse	LandUseSquareFeet	60,000.00	96,000.00
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tblLandUse	LotAcreage	3.75	4.40
tblLandUse	LotAcreage	107.79	27.61
tblOffRoadEquipment	HorsePower	187.00	179.00
tblOffRoadEquipment	HorsePower	187.00	179.00
tblOffRoadEquipment	HorsePower	187.00	179.00
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tblOffRoadEquipment	HorsePower	132.00	173.00
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tblOffRoadEquipment	HorsePower	80.00	100.00
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tblOffRoadEquipment	HorsePower	80.00	100.00
tblOffRoadEquipment	HorsePower	80.00	100.00
tblOffRoadEquipment	HorsePower	80.00	100.00
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tblOffRoadEquipment	HorsePower	187.00	179.00
tblOffRoadEquipment	HorsePower	187.00	179.00

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tblOffRoadEquipment	HorsePower	187.00	179.00
tblOffRoadEquipment	HorsePower	187.00	179.00
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tblOffRoadEquipment	HorsePower	402.00	775.00
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tblOffRoadEquipment	HorsePower	402.00	200.00
tblOffRoadEquipment	HorsePower	402.00	200.00
tblOffRoadEquipment	HorsePower	402.00	775.00
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tbloffRoadEquipment	HorsePower	402.00	300.00
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tbloffRoadEquipment	HorsePower	203.00	164.00
tbloffRoadEquipment	HorsePower	203.00	89.00
tbloffRoadEquipment	HorsePower	203.00	164.00
tbloffRoadEquipment	HorsePower	203.00	89.00

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[illegible]

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
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tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.02
tblProjectCharacteristics	CO2IntensityFactor	720.49	500.76

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tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblProjectCharacteristics	OperationalYear	2018	2023
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	913.00	54.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripNumber	18.00	34.00
tblTripsAndVMT	WorkerTripNumber	20.00	26.00
tblTripsAndVMT	WorkerTripNumber	45.00	56.00
tblTripsAndVMT	WorkerTripNumber	8.00	18.00
tblTripsAndVMT	WorkerTripNumber	13.00	14.00
tblTripsAndVMT	WorkerTripNumber	10.00	20.00
tblTripsAndVMT	WorkerTripNumber	25.00	26.00
tblTripsAndVMT	WorkerTripNumber	2,393.00	182.00
tblTripsAndVMT	WorkerTripNumber	20.00	30.00
tblTripsAndVMT	WorkerTripNumber	23.00	24.00
tblTripsAndVMT	WorkerTripNumber	45.00	56.00
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tblTripsAndVMT	WorkerTripNumber	25.00	26.00
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tblTripsAndVMT	WorkerTripNumber	479.00	36.00
tblTripsAndVMT	WorkerTripNumber	25.00	26.00
tblTripsAndVMT	WorkerTripNumber	45.00	56.00
tblTripsAndVMT	WorkerTripNumber	20.00	26.00

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tblTripsAndVMT	WorkerTripNumber	8.00	18.00
tblTripsAndVMT	WorkerTripNumber	13.00	14.00
tblTripsAndVMT	WorkerTripNumber	25.00	26.00
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tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	5.67	9.76
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	20.87	6.34
tblVehicleTrips	ST_TR	94.36	104.90
tblVehicleTrips	ST_TR	9.10	0.00
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	ST_TR	177.59	69.48
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	4.84	8.33
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	26.73	8.12
tblVehicleTrips	SU_TR	72.16	80.22
tblVehicleTrips	SU_TR	13.60	0.00
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	SU_TR	166.44	65.12
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	5.81	10.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	32.93	10.00
tblVehicleTrips	WD_TR	89.95	100.00
tblVehicleTrips	WD_TR	33.82	0.00
tblVehicleTrips	WD_TR	9.52	10.00

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tblVehicleTrips	WD_TR	102.24	40.00
tblWoodstoves	NumberCatalytic	3.00	0.00
tblWoodstoves	NumberCatalytic	16.60	0.00
tblWoodstoves	NumberNoncatalytic	3.00	0.00
tblWoodstoves	NumberNoncatalytic	16.60	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	3.7909	41.8118	20.7364	0.0550	2.4693	1.4825	3.9518	0.8985	1.3657	2.2642	0.0000	5,082.3667	5,082.3667	1.3221	0.0000	5,115.4179
2019	0.6009	4.6191	3.7639	8.5400e-003	0.2401	0.2177	0.4578	0.0649	0.2040	0.2688	0.0000	773.6447	773.6447	0.1268	0.0000	776.8134
2020	0.4103	3.5765	3.2060	7.6000e-003	0.2382	0.1618	0.4000	0.0644	0.1520	0.2164	0.0000	684.5943	684.5943	0.1005	0.0000	687.1077
2021	0.3683	3.2299	3.0925	7.4900e-003	0.2372	0.1367	0.3739	0.0641	0.1283	0.1924	0.0000	674.5316	674.5316	0.0984	0.0000	676.9907
2022	4.0623	2.8422	2.9701	7.2500e-003	0.2353	0.1134	0.3488	0.0636	0.1068	0.1704	0.0000	652.9275	652.9275	0.0929	0.0000	655.2508
Maximum	4.0623	41.8118	20.7364	0.0550	2.4693	1.4825	3.9518	0.8985	1.3657	2.2642	0.0000	5,082.3667	5,082.3667	1.3221	0.0000	5,115.4179

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2.1 Overall Construction**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	3.7909	41.8117	20.7364	0.0550	1.1909	1.4825	2.6734	0.4122	1.3657	1.7779	0.0000	5,082.3620	5,082.3620	1.3221	0.0000	5,115.4132
2019	0.6009	4.6191	3.7639	8.5400e-003	0.2401	0.2177	0.4578	0.0649	0.2040	0.2688	0.0000	773.6442	773.6442	0.1268	0.0000	776.8129
2020	0.4103	3.5765	3.2060	7.6000e-003	0.2382	0.1618	0.4000	0.0644	0.1520	0.2164	0.0000	684.5939	684.5939	0.1005	0.0000	687.1073
2021	0.3683	3.2299	3.0925	7.4900e-003	0.2372	0.1367	0.3739	0.0641	0.1283	0.1924	0.0000	674.5312	674.5312	0.0984	0.0000	676.9904
2022	4.0623	2.8422	2.9701	7.2500e-003	0.2353	0.1134	0.3488	0.0636	0.1068	0.1704	0.0000	652.9271	652.9271	0.0929	0.0000	655.2505
Maximum	4.0623	41.8117	20.7364	0.0550	1.1909	1.4825	2.6734	0.4122	1.3657	1.7779	0.0000	5,082.3620	5,082.3620	1.3221	0.0000	5,115.4132

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	37.38	0.00	23.11	42.09	0.00	15.63	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-2-2018	4-1-2018	3.5967	3.5967
2	4-2-2018	7-1-2018	14.4158	14.4158
3	7-2-2018	10-1-2018	13.8414	13.8414
4	10-2-2018	1-1-2019	3.5256	3.5256
5	1-2-2019	4-1-2019	1.1397	1.1397
6	4-2-2019	7-1-2019	1.0847	1.0847

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7	7-2-2019	10-1-2019	1.0967	1.0967
8	10-2-2019	1-1-2020	1.1011	1.1011
9	1-2-2020	4-1-2020	0.9899	0.9899
10	4-2-2020	7-1-2020	0.9852	0.9852
11	7-2-2020	10-1-2020	0.9961	0.9961
12	10-2-2020	1-1-2021	0.9999	0.9999
13	1-2-2021	4-1-2021	0.8871	0.8871
14	4-2-2021	7-1-2021	0.8929	0.8929
15	7-2-2021	10-1-2021	0.9027	0.9027
16	10-2-2021	1-1-2022	0.9060	0.9060
17	1-2-2022	4-1-2022	0.8040	0.8040
18	4-2-2022	7-1-2022	0.8092	0.8092
19	7-2-2022	9-30-2022	1.9365	1.9365
		Highest	14.4158	14.4158

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2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.1131	0.3002	3.0274	1.8600e-003		0.0377	0.0377		0.0377	0.0377	0.0000	313.5184	313.5184	0.0105	5.6600e-003	315.4679
Energy	0.0611	0.5245	0.2403	3.3300e-003		0.0422	0.0422		0.0422	0.0422	0.0000	1,423.7613	1,423.7613	0.0443	0.0176	1,430.1218
Mobile	1.0940	4.3634	13.1261	0.0473	4.3363	0.0367	4.3730	1.1611	0.0342	1.1953	0.0000	4,370.1439	4,370.1439	0.2204	0.0000	4,375.6547
Waste						0.0000	0.0000		0.0000	0.0000	95.1013	0.0000	95.1013	5.6203	0.0000	235.6094
Water						0.0000	0.0000		0.0000	0.0000	9.2708	303.0267	312.2975	0.9643	0.0249	343.8265
Total	6.2681	5.1880	16.3939	0.0525	4.3363	0.1166	4.4529	1.1611	0.1140	1.2752	104.3721	6,410.4503	6,514.8224	6.8599	0.0482	6,700.6802

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2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.0525	0.3002	3.0274	1.8600e-003		0.0377	0.0377		0.0377	0.0377	0.0000	313.5184	313.5184	0.0105	5.6600e-003	315.4679
Energy	0.0430	0.3692	0.1717	2.3400e-003		0.0297	0.0297		0.0297	0.0297	0.0000	680.8144	680.8144	0.0184	9.8400e-003	684.2047
Mobile	1.0712	4.2465	12.6214	0.0451	4.1195	0.0351	4.1546	1.1031	0.0327	1.1357	0.0000	4,165.1764	4,165.1764	0.2115	0.0000	4,170.4638
Waste						0.0000	0.0000		0.0000	0.0000	47.5506	0.0000	47.5506	2.8102	0.0000	117.8047
Water						0.0000	0.0000		0.0000	0.0000	7.4166	238.8054	246.2221	0.7713	0.0199	271.4330
Total	5.1666	4.9159	15.8206	0.0493	4.1195	0.1024	4.2219	1.1031	0.1000	1.2031	54.9673	5,398.3147	5,453.2819	3.8218	0.0354	5,559.3741

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	17.57	5.25	3.50	6.13	5.00	12.14	5.19	5.00	12.30	5.65	47.34	15.79	16.29	44.29	26.56	17.03

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2.3 Vegetation**Vegetation**

	CO2e
Category	MT
Vegetation Land Change	-262.9100
Total	-262.9100

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition-Phase 1	Demolition	1/2/2018	3/5/2018	5	45	
2	Grading-Phase 1	Grading	3/6/2018	5/24/2018	5	58	
3	Trenching WU-Phase 1	Trenching	4/2/2018	7/25/2018	5	83	
4	Grading-Phase 2	Grading	5/14/2018	7/6/2018	5	40	
5	Paving-Country Club & El Norte	Paving	5/21/2018	7/18/2018	5	43	
6	Import-Phase 2	Site Preparation	6/11/2018	8/14/2018	5	47	
7	Trenching DU-Phase 1	Trenching	6/25/2018	8/13/2018	5	36	
8	Trenching WU-Phase 2	Trenching	6/25/2018	9/11/2018	5	57	
9	Grading-Phase 3	Grading	7/9/2018	8/10/2018	5	25	
10	Surface Improvements-Phase 1	Paving	7/16/2018	9/11/2018	5	42	
11	Paving-Country Club & Nutmeg	Paving	7/19/2018	9/10/2018	5	38	
12	Grading-Phase 4	Grading	8/13/2018	9/24/2018	5	31	
13	Import-Phase 3	Site Preparation	8/15/2018	9/10/2018	5	19	
14	Trenching DU-Phase 2	Trenching	8/27/2018	9/28/2018	5	25	
15	Import-Phase 4	Site Preparation	9/11/2018	11/23/2018	5	54	
16	Trenching WU-Phase 3	Trenching	9/12/2018	10/30/2018	5	35	
17	Building Construction	Building Construction	9/12/2018	12/13/2022	5	1110	
18	Paving-El Norte & Nutmeg	Paving	9/12/2018	11/5/2018	5	39	
19	Surface Improvements-Phase 2	Paving	9/17/2018	10/24/2018	5	28	
20	Trenching DU-Phase 3	Trenching	10/22/2018	11/9/2018	5	15	
21	Trenching WU-Phase 4	Trenching	10/29/2018	12/27/2018	5	44	
22	Surface Improvements-Phase 3	Paving	11/1/2018	11/26/2018	5	18	
23	Trenching DU-Phase 4	Trenching	12/17/2018	1/10/2019	5	19	
24	Surface Improvements-Phase 4	Paving	1/2/2019	1/31/2019	5	22	
25	Architectural Coating	Architectural Coating	8/31/2022	12/13/2022	5	75	

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Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 0****Acres of Paving: 64.35****Residential Indoor: 1,700,595; Residential Outdoor: 566,865; Non-Residential Indoor: 29,100; Non-Residential Outdoor: 9,700; Striped Parking Area: 168,257 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition-Phase 1	Crawler Tractors	1	8.00	328	0.40
Demolition-Phase 1	Off-Highway Trucks	1	8.00	200	0.38
Demolition-Phase 1	Other Construction Equipment	5	8.00	222	0.42
Grading-Phase 1	Graders	2	8.00	179	0.41
Grading-Phase 1	Off-Highway Trucks	1	8.00	200	0.38
Grading-Phase 1	Off-Highway Trucks	4	8.00	775	0.38
Grading-Phase 1	Rubber Tired Dozers	2	8.00	312	0.40
Grading-Phase 1	Rubber Tired Loaders	1	8.00	311	0.36
Grading-Phase 1	Scrapers	8	8.00	600	0.48
Trenching WU-Phase 1	Excavators	2	8.00	239	0.38
Trenching WU-Phase 1	Off-Highway Trucks	4	8.00	200	0.38
Trenching WU-Phase 1	Rubber Tired Loaders	2	8.00	164	0.36
Trenching WU-Phase 1	Rubber Tired Loaders	2	8.00	89	0.36
Grading-Phase 2	Graders	2	8.00	179	0.41
Grading-Phase 2	Off-Highway Trucks	1	8.00	200	0.38
Grading-Phase 2	Off-Highway Trucks	4	8.00	775	0.38
Grading-Phase 2	Rubber Tired Dozers	2	8.00	312	0.40
Grading-Phase 2	Rubber Tired Loaders	1	8.00	311	0.36
Grading-Phase 2	Scrapers	8	8.00	600	0.48

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Paving-Country Club & El Norte	Excavators	1	8.00	138	0.38
Paving-Country Club & El Norte	Graders	1	8.00	240	0.41
Paving-Country Club & El Norte	Off-Highway Trucks	1	8.00	200	0.38
Paving-Country Club & El Norte	Off-Highway Trucks	1	8.00	300	0.38
Paving-Country Club & El Norte	Pavers	1	8.00	173	0.42
Paving-Country Club & El Norte	Rollers	1	8.00	110	0.38
Paving-Country Club & El Norte	Rubber Tired Loaders	1	8.00	160	0.36
Paving-Country Club & El Norte	Rubber Tired Loaders	1	8.00	89	0.36
Import-Phase 2	Graders	1	8.00	179	0.41
Import-Phase 2	Rubber Tired Dozers	1	8.00	496	0.40
Import-Phase 2	Rubber Tired Loaders	1	8.00	311	0.36
Trenching DU-Phase 1	Off-Highway Trucks	1	8.00	200	0.38
Trenching DU-Phase 1	Rubber Tired Loaders	2	8.00	164	0.36
Trenching DU-Phase 1	Tractors/Loaders/Backhoes	2	8.00	108	0.37
Trenching WU-Phase 2	Excavators	2	8.00	239	0.38
Trenching WU-Phase 2	Off-Highway Trucks	4	8.00	200	0.38
Trenching WU-Phase 2	Rubber Tired Loaders	2	8.00	164	0.36
Trenching WU-Phase 2	Rubber Tired Loaders	2	8.00	89	0.36
Grading-Phase 3	Graders	2	8.00	179	0.41
Grading-Phase 3	Off-Highway Trucks	1	8.00	200	0.38
Grading-Phase 3	Off-Highway Trucks	4	8.00	775	0.38
Grading-Phase 3	Rubber Tired Dozers	2	8.00	312	0.40
Grading-Phase 3	Rubber Tired Loaders	1	8.00	311	0.36
Grading-Phase 3	Scrapers	8	8.00	600	0.48
Surface Improvements-Phase 1	Graders	2	8.00	179	0.41
Surface Improvements-Phase 1	Pavers	1	8.00	121	0.42
Surface Improvements-Phase 1	Paving Equipment	1	8.00	173	0.36

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Surface Improvements-Phase 1	Rollers	1	8.00	100	0.38
Surface Improvements-Phase 1	Rubber Tired Loaders	1	8.00	89	0.36
Surface Improvements-Phase 1	Scrapers	2	8.00	407	0.48
Paving-Country Club & Nutmeg	Excavators	1	8.00	138	0.38
Paving-Country Club & Nutmeg	Graders	1	8.00	240	0.41
Paving-Country Club & Nutmeg	Off-Highway Trucks	1	8.00	200	0.38
Paving-Country Club & Nutmeg	Off-Highway Trucks	1	8.00	300	0.38
Paving-Country Club & Nutmeg	Pavers	1	8.00	173	0.42
Paving-Country Club & Nutmeg	Rollers	1	8.00	110	0.38
Paving-Country Club & Nutmeg	Rubber Tired Loaders	1	8.00	160	0.36
Paving-Country Club & Nutmeg	Rubber Tired Loaders	1	8.00	89	0.36
Grading-Phase 4	Graders	2	8.00	179	0.41
Grading-Phase 4	Off-Highway Trucks	1	8.00	200	0.38
Grading-Phase 4	Off-Highway Trucks	4	8.00	775	0.38
Grading-Phase 4	Rubber Tired Dozers	2	8.00	312	0.40
Grading-Phase 4	Rubber Tired Loaders	1	8.00	311	0.36
Grading-Phase 4	Scrapers	8	8.00	600	0.48
Import-Phase 3	Graders	1	8.00	179	0.41
Import-Phase 3	Rubber Tired Dozers	1	8.00	496	0.40
Import-Phase 3	Rubber Tired Loaders	1	8.00	311	0.36
Trenching DU-Phase 2	Off-Highway Trucks	1	8.00	200	0.38
Trenching DU-Phase 2	Rubber Tired Loaders	2	8.00	164	0.36
Trenching DU-Phase 2	Tractors/Loaders/Backhoes	2	8.00	108	0.37
Import-Phase 4	Graders	1	8.00	179	0.41
Import-Phase 4	Off-Highway Trucks	1	8.00	200	0.38
Import-Phase 4	Rubber Tired Dozers	1	8.00	496	0.40
Import-Phase 4	Rubber Tired Loaders	1	8.00	311	0.36

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Trenching WU-Phase 3	Excavators	2	8.00	239	0.38
Trenching WU-Phase 3	Off-Highway Trucks	4	8.00	200	0.38
Trenching WU-Phase 3	Rubber Tired Loaders	2	8.00	164	0.36
Trenching WU-Phase 3	Rubber Tired Loaders	2	8.00	89	0.36
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving-El Norte & Nutmeg	Excavators	1	8.00	138	0.38
Paving-El Norte & Nutmeg	Off-Highway Trucks	1	8.00	200	0.38
Paving-El Norte & Nutmeg	Off-Highway Trucks	1	8.00	300	0.38
Paving-El Norte & Nutmeg	Other Construction Equipment	3	8.00	148	0.42
Paving-El Norte & Nutmeg	Pavers	1	8.00	173	0.42
Paving-El Norte & Nutmeg	Rubber Tired Loaders	1	8.00	89	0.36
Surface Improvements-Phase 2	Graders	2	8.00	179	0.41
Surface Improvements-Phase 2	Off-Highway Trucks	1	8.00	200	0.38
Surface Improvements-Phase 2	Pavers	1	8.00	121	0.42
Surface Improvements-Phase 2	Paving Equipment	1	8.00	173	0.36
Surface Improvements-Phase 2	Rollers	1	8.00	100	0.38
Surface Improvements-Phase 2	Rubber Tired Loaders	1	8.00	89	0.36
Surface Improvements-Phase 2	Scrapers	2	8.00	407	0.48
Trenching DU-Phase 3	Off-Highway Trucks	1	8.00	200	0.38
Trenching DU-Phase 3	Rubber Tired Loaders	2	8.00	164	0.36
Trenching DU-Phase 3	Tractors/Loaders/Backhoes	2	8.00	108	0.37
Trenching WU-Phase 4	Excavators	2	8.00	239	0.38
Trenching WU-Phase 4	Off-Highway Trucks	4	8.00	200	0.38

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Trenching WU-Phase 4	Rubber Tired Loaders	2	8.00	164	0.36
Trenching WU-Phase 4	Rubber Tired Loaders	2	8.00	89	0.36
Surface Improvements-Phase 3	Graders	2	8.00	179	0.41
Surface Improvements-Phase 3	Off-Highway Trucks	1	8.00	200	0.38
Surface Improvements-Phase 3	Pavers	1	8.00	121	0.42
Surface Improvements-Phase 3	Paving Equipment	1	8.00	173	0.36
Surface Improvements-Phase 3	Rollers	1	8.00	100	0.38
Surface Improvements-Phase 3	Rubber Tired Loaders	1	8.00	89	0.36
Surface Improvements-Phase 3	Scrapers	2	8.00	407	0.48
Trenching DU-Phase 4	Off-Highway Trucks	1	8.00	200	0.38
Trenching DU-Phase 4	Rubber Tired Loaders	2	8.00	164	0.36
Trenching DU-Phase 4	Tractors/Loaders/Backhoes	2	8.00	108	0.37
Surface Improvements-Phase 4	Graders	2	8.00	179	0.41
Surface Improvements-Phase 4	Off-Highway Trucks	1	8.00	200	0.38
Surface Improvements-Phase 4	Pavers	1	8.00	121	0.42
Surface Improvements-Phase 4	Paving Equipment	1	8.00	173	0.36
Surface Improvements-Phase 4	Rollers	1	8.00	100	0.38
Surface Improvements-Phase 4	Rubber Tired Loaders	1	8.00	89	0.36
Surface Improvements-Phase 4	Scrapers	2	8.00	407	0.48
Architectural Coating	Air Compressors	1	8.00	78	0.48

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition-Phase 1	7	34.00	0.00	252.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading-Phase 1	18	56.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching WU-Phase 1	10	26.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading-Phase 2	18	56.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving-Country Club & El Norte	8	26.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Import-Phase 2	3	18.00	0.00	8,813.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching DU-Phase 1	5	14.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching WU-Phase 2	10	26.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading-Phase 3	18	56.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Surface Improvements-Phase 1	8	20.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving-Country Club & Nutmeg	8	26.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading-Phase 4	18	56.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Import-Phase 3	3	18.00	0.00	3,563.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching DU-Phase 2	5	14.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Import-Phase 4	4	20.00	0.00	10,125.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching WU-Phase 3	10	26.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	182.00	54.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving-El Norte & Nutmeg	8	30.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Surface Improvements-Phase 2	9	24.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching DU-Phase 3	5	14.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching WU-Phase 4	10	26.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Surface Improvements-Phase 3	9	24.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching DU-Phase 4	5	14.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Surface Improvements-Phase 4	9	24.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	36.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

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3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Clean Paved Roads

3.2 Demolition-Phase 1 - 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	tons/yr										MT/yr					
Fugitive Dust					0.0276	0.0000	0.0276	4.1700e-003	0.0000	4.1700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0282	0.3318	0.1706	4.0000e-004		0.0131	0.0131		0.0120	0.0120	0.0000	36.6512	36.6512	0.0114	0.0000	36.9364
Total	0.0282	0.3318	0.1706	4.0000e-004	0.0276	0.0131	0.0406	4.1700e-003	0.0120	0.0162	0.0000	36.6512	36.6512	0.0114	0.0000	36.9364

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3.2 Demolition-Phase 1 - 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	tons/yr										MT/yr					
Hauling	1.1700e-003	0.0409	8.5300e-003	1.0000e-004	2.1600e-003	1.6000e-004	2.3200e-003	5.9000e-004	1.5000e-004	7.4000e-004	0.0000	9.9292	9.9292	9.0000e-004	0.0000	9.9516
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2700e-003	2.5900e-003	0.0248	7.0000e-005	6.1300e-003	5.0000e-005	6.1800e-003	1.6300e-003	4.0000e-005	1.6700e-003	0.0000	5.9041	5.9041	2.0000e-004	0.0000	5.9092
Total	4.4400e-003	0.0435	0.0334	1.7000e-004	8.2900e-003	2.1000e-004	8.5000e-003	2.2200e-003	1.9000e-004	2.4100e-003	0.0000	15.8333	15.8333	1.1000e-003	0.0000	15.8608

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0108	0.0000	0.0108	1.6300e-003	0.0000	1.6300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0282	0.3318	0.1706	4.0000e-004		0.0131	0.0131		0.0120	0.0120	0.0000	36.6511	36.6511	0.0114	0.0000	36.9364
Total	0.0282	0.3318	0.1706	4.0000e-004	0.0108	0.0131	0.0238	1.6300e-003	0.0120	0.0137	0.0000	36.6511	36.6511	0.0114	0.0000	36.9364

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3.2 Demolition-Phase 1 - 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	tons/yr										MT/yr					
Hauling	1.1700e-003	0.0409	8.5300e-003	1.0000e-004	2.1600e-003	1.6000e-004	2.3200e-003	5.9000e-004	1.5000e-004	7.4000e-004	0.0000	9.9292	9.9292	9.0000e-004	0.0000	9.9516
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2700e-003	2.5900e-003	0.0248	7.0000e-005	6.1300e-003	5.0000e-005	6.1800e-003	1.6300e-003	4.0000e-005	1.6700e-003	0.0000	5.9041	5.9041	2.0000e-004	0.0000	5.9092
Total	4.4400e-003	0.0435	0.0334	1.7000e-004	8.2900e-003	2.1000e-004	8.5000e-003	2.2200e-003	1.9000e-004	2.4100e-003	0.0000	15.8333	15.8333	1.1000e-003	0.0000	15.8608

3.3 Grading-Phase 1 - 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	tons/yr										MT/yr					
Fugitive Dust					0.6261	0.0000	0.6261	0.2219	0.0000	0.2219	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.6625	8.9142	4.0427	0.0101		0.2999	0.2999		0.2760	0.2760	0.0000	924.8851	924.8851	0.2879	0.0000	932.0833
Total	0.6625	8.9142	4.0427	0.0101	0.6261	0.2999	0.9260	0.2219	0.2760	0.4978	0.0000	924.8851	924.8851	0.2879	0.0000	932.0833

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3.3 Grading-Phase 1 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.9400e-003	5.5000e-003	0.0527	1.4000e-004	0.0130	1.0000e-004	0.0131	3.4600e-003	9.0000e-005	3.5500e-003	0.0000	12.5336	12.5336	4.3000e-004	0.0000	12.5444
Total	6.9400e-003	5.5000e-003	0.0527	1.4000e-004	0.0130	1.0000e-004	0.0131	3.4600e-003	9.0000e-005	3.5500e-003	0.0000	12.5336	12.5336	4.3000e-004	0.0000	12.5444

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2442	0.0000	0.2442	0.0865	0.0000	0.0865	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.6625	8.9142	4.0426	0.0101		0.2999	0.2999		0.2760	0.2760	0.0000	924.8840	924.8840	0.2879	0.0000	932.0822
Total	0.6625	8.9142	4.0426	0.0101	0.2442	0.2999	0.5441	0.0865	0.2760	0.3625	0.0000	924.8840	924.8840	0.2879	0.0000	932.0822

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3.3 Grading-Phase 1 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.9400e-003	5.5000e-003	0.0527	1.4000e-004	0.0130	1.0000e-004	0.0131	3.4600e-003	9.0000e-005	3.5500e-003	0.0000	12.5336	12.5336	4.3000e-004	0.0000	12.5444
Total	6.9400e-003	5.5000e-003	0.0527	1.4000e-004	0.0130	1.0000e-004	0.0131	3.4600e-003	9.0000e-005	3.5500e-003	0.0000	12.5336	12.5336	4.3000e-004	0.0000	12.5444

3.4 Trenching WU-Phase 1 - 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	tons/yr										MT/yr					
Off-Road	0.1721	1.7467	0.9823	2.3700e-003		0.0840	0.0840		0.0773	0.0773	0.0000	216.5394	216.5394	0.0674	0.0000	218.2247
Total	0.1721	1.7467	0.9823	2.3700e-003		0.0840	0.0840		0.0773	0.0773	0.0000	216.5394	216.5394	0.0674	0.0000	218.2247

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3.4 Trenching WU-Phase 1 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6100e-003	3.6500e-003	0.0350	9.0000e-005	0.0162	6.0000e-005	0.0162	4.1400e-003	6.0000e-005	4.2000e-003	0.0000	8.3275	8.3275	2.9000e-004	0.0000	8.3346
Total	4.6100e-003	3.6500e-003	0.0350	9.0000e-005	0.0162	6.0000e-005	0.0162	4.1400e-003	6.0000e-005	4.2000e-003	0.0000	8.3275	8.3275	2.9000e-004	0.0000	8.3346

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1721	1.7467	0.9823	2.3700e-003		0.0840	0.0840		0.0773	0.0773	0.0000	216.5392	216.5392	0.0674	0.0000	218.2245
Total	0.1721	1.7467	0.9823	2.3700e-003		0.0840	0.0840		0.0773	0.0773	0.0000	216.5392	216.5392	0.0674	0.0000	218.2245

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3.4 Trenching WU-Phase 1 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6100e-003	3.6500e-003	0.0350	9.0000e-005	0.0162	6.0000e-005	0.0162	4.1400e-003	6.0000e-005	4.2000e-003	0.0000	8.3275	8.3275	2.9000e-004	0.0000	8.3346
Total	4.6100e-003	3.6500e-003	0.0350	9.0000e-005	0.0162	6.0000e-005	0.0162	4.1400e-003	6.0000e-005	4.2000e-003	0.0000	8.3275	8.3275	2.9000e-004	0.0000	8.3346

3.5 Grading-Phase 2 - 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	tons/yr										MT/yr					
Fugitive Dust					0.4318	0.0000	0.4318	0.1530	0.0000	0.1530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4569	6.1477	2.7880	6.9900e-003		0.2069	0.2069		0.1903	0.1903	0.0000	637.8518	637.8518	0.1986	0.0000	642.8161
Total	0.4569	6.1477	2.7880	6.9900e-003	0.4318	0.2069	0.6386	0.1530	0.1903	0.3433	0.0000	637.8518	637.8518	0.1986	0.0000	642.8161

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3.5 Grading-Phase 2 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7900e-003	3.7900e-003	0.0364	1.0000e-004	8.9800e-003	7.0000e-005	9.0500e-003	2.3900e-003	6.0000e-005	2.4500e-003	0.0000	8.6439	8.6439	3.0000e-004	0.0000	8.6513
Total	4.7900e-003	3.7900e-003	0.0364	1.0000e-004	8.9800e-003	7.0000e-005	9.0500e-003	2.3900e-003	6.0000e-005	2.4500e-003	0.0000	8.6439	8.6439	3.0000e-004	0.0000	8.6513

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1684	0.0000	0.1684	0.0597	0.0000	0.0597	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4569	6.1477	2.7880	6.9900e-003		0.2069	0.2069		0.1903	0.1903	0.0000	637.8510	637.8510	0.1986	0.0000	642.8153
Total	0.4569	6.1477	2.7880	6.9900e-003	0.1684	0.2069	0.3753	0.0597	0.1903	0.2500	0.0000	637.8510	637.8510	0.1986	0.0000	642.8153

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3.5 Grading-Phase 2 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7900e-003	3.7900e-003	0.0364	1.0000e-004	8.9800e-003	7.0000e-005	9.0500e-003	2.3900e-003	6.0000e-005	2.4500e-003	0.0000	8.6439	8.6439	3.0000e-004	0.0000	8.6513
Total	4.7900e-003	3.7900e-003	0.0364	1.0000e-004	8.9800e-003	7.0000e-005	9.0500e-003	2.3900e-003	6.0000e-005	2.4500e-003	0.0000	8.6439	8.6439	3.0000e-004	0.0000	8.6513

3.6 Paving-Country Club & El Norte - 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	tons/yr										MT/yr					
Off-Road	0.0767	0.8267	0.4911	1.0100e-003		0.0391	0.0391		0.0359	0.0359	0.0000	92.1168	92.1168	0.0287	0.0000	92.8337
Paving	0.0843					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1610	0.8267	0.4911	1.0100e-003		0.0391	0.0391		0.0359	0.0359	0.0000	92.1168	92.1168	0.0287	0.0000	92.8337

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3.6 Paving-Country Club & El Norte - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3900e-003	1.8900e-003	0.0181	5.0000e-005	4.4800e-003	3.0000e-005	4.5200e-003	1.1900e-003	3.0000e-005	1.2200e-003	0.0000	4.3142	4.3142	1.5000e-004	0.0000	4.3180
Total	2.3900e-003	1.8900e-003	0.0181	5.0000e-005	4.4800e-003	3.0000e-005	4.5200e-003	1.1900e-003	3.0000e-005	1.2200e-003	0.0000	4.3142	4.3142	1.5000e-004	0.0000	4.3180

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0767	0.8267	0.4911	1.0100e-003		0.0391	0.0391		0.0359	0.0359	0.0000	92.1167	92.1167	0.0287	0.0000	92.8336
Paving	0.0843					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1610	0.8267	0.4911	1.0100e-003		0.0391	0.0391		0.0359	0.0359	0.0000	92.1167	92.1167	0.0287	0.0000	92.8336

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3.6 Paving-Country Club & El Norte - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3900e-003	1.8900e-003	0.0181	5.0000e-005	4.4800e-003	3.0000e-005	4.5200e-003	1.1900e-003	3.0000e-005	1.2200e-003	0.0000	4.3142	4.3142	1.5000e-004	0.0000	4.3180
Total	2.3900e-003	1.8900e-003	0.0181	5.0000e-005	4.4800e-003	3.0000e-005	4.5200e-003	1.1900e-003	3.0000e-005	1.2200e-003	0.0000	4.3142	4.3142	1.5000e-004	0.0000	4.3180

3.7 Import-Phase 2 - 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	tons/yr										MT/yr					
Fugitive Dust					0.1589	0.0000	0.1589	0.0799	0.0000	0.0799	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0764	0.8679	0.5394	7.8000e-004		0.0364	0.0364		0.0335	0.0335	0.0000	71.2341	71.2341	0.0222	0.0000	71.7885
Total	0.0764	0.8679	0.5394	7.8000e-004	0.1589	0.0364	0.1953	0.0799	0.0335	0.1134	0.0000	71.2341	71.2341	0.0222	0.0000	71.7885

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3.7 Import-Phase 2 - 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	tons/yr										MT/yr					
Hauling	0.0408	1.4305	0.2985	3.5200e-003	0.0754	5.5700e-003	0.0810	0.0207	5.3300e-003	0.0260	0.0000	347.2468	347.2468	0.0313	0.0000	348.0302
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8100e-003	1.4300e-003	0.0137	4.0000e-005	3.3900e-003	3.0000e-005	3.4200e-003	9.0000e-004	2.0000e-005	9.2000e-004	0.0000	3.2646	3.2646	1.1000e-004	0.0000	3.2674
Total	0.0426	1.4319	0.3122	3.5600e-003	0.0788	5.6000e-003	0.0844	0.0216	5.3500e-003	0.0270	0.0000	350.5114	350.5114	0.0314	0.0000	351.2976

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0620	0.0000	0.0620	0.0312	0.0000	0.0312	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0764	0.8679	0.5394	7.8000e-004		0.0364	0.0364		0.0335	0.0335	0.0000	71.2340	71.2340	0.0222	0.0000	71.7884
Total	0.0764	0.8679	0.5394	7.8000e-004	0.0620	0.0364	0.0984	0.0312	0.0335	0.0646	0.0000	71.2340	71.2340	0.0222	0.0000	71.7884

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3.7 Import-Phase 2 - 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	tons/yr										MT/yr					
Hauling	0.0408	1.4305	0.2985	3.5200e-003	0.0754	5.5700e-003	0.0810	0.0207	5.3300e-003	0.0260	0.0000	347.2468	347.2468	0.0313	0.0000	348.0302
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8100e-003	1.4300e-003	0.0137	4.0000e-005	3.3900e-003	3.0000e-005	3.4200e-003	9.0000e-004	2.0000e-005	9.2000e-004	0.0000	3.2646	3.2646	1.1000e-004	0.0000	3.2674
Total	0.0426	1.4319	0.3122	3.5600e-003	0.0788	5.6000e-003	0.0844	0.0216	5.3500e-003	0.0270	0.0000	350.5114	350.5114	0.0314	0.0000	351.2976

3.8 Trenching DU-Phase 1 - 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	tons/yr										MT/yr					
Off-Road	0.0357	0.3524	0.2592	4.2000e-004		0.0200	0.0200		0.0184	0.0184	0.0000	38.6934	38.6934	0.0121	0.0000	38.9946
Total	0.0357	0.3524	0.2592	4.2000e-004		0.0200	0.0200		0.0184	0.0184	0.0000	38.6934	38.6934	0.0121	0.0000	38.9946

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3.8 Trenching DU-Phase 1 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0800e-003	8.5000e-004	8.1800e-003	2.0000e-005	2.0200e-003	1.0000e-005	2.0400e-003	5.4000e-004	1.0000e-005	5.5000e-004	0.0000	1.9449	1.9449	7.0000e-005	0.0000	1.9466
Total	1.0800e-003	8.5000e-004	8.1800e-003	2.0000e-005	2.0200e-003	1.0000e-005	2.0400e-003	5.4000e-004	1.0000e-005	5.5000e-004	0.0000	1.9449	1.9449	7.0000e-005	0.0000	1.9466

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0357	0.3524	0.2592	4.2000e-004		0.0200	0.0200		0.0184	0.0184	0.0000	38.6934	38.6934	0.0121	0.0000	38.9945
Total	0.0357	0.3524	0.2592	4.2000e-004		0.0200	0.0200		0.0184	0.0184	0.0000	38.6934	38.6934	0.0121	0.0000	38.9945

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3.8 Trenching DU-Phase 1 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0800e-003	8.5000e-004	8.1800e-003	2.0000e-005	2.0200e-003	1.0000e-005	2.0400e-003	5.4000e-004	1.0000e-005	5.5000e-004	0.0000	1.9449	1.9449	7.0000e-005	0.0000	1.9466
Total	1.0800e-003	8.5000e-004	8.1800e-003	2.0000e-005	2.0200e-003	1.0000e-005	2.0400e-003	5.4000e-004	1.0000e-005	5.5000e-004	0.0000	1.9449	1.9449	7.0000e-005	0.0000	1.9466

3.9 Trenching WU-Phase 2 - 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	tons/yr										MT/yr					
Off-Road	0.1182	1.1996	0.6746	1.6300e-003		0.0577	0.0577		0.0531	0.0531	0.0000	148.7078	148.7078	0.0463	0.0000	149.8652
Total	0.1182	1.1996	0.6746	1.6300e-003		0.0577	0.0577		0.0531	0.0531	0.0000	148.7078	148.7078	0.0463	0.0000	149.8652

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3.9 Trenching WU-Phase 2 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1700e-003	2.5100e-003	0.0241	6.0000e-005	5.9400e-003	4.0000e-005	5.9900e-003	1.5800e-003	4.0000e-005	1.6200e-003	0.0000	5.7189	5.7189	2.0000e-004	0.0000	5.7238
Total	3.1700e-003	2.5100e-003	0.0241	6.0000e-005	5.9400e-003	4.0000e-005	5.9900e-003	1.5800e-003	4.0000e-005	1.6200e-003	0.0000	5.7189	5.7189	2.0000e-004	0.0000	5.7238

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1182	1.1996	0.6746	1.6300e-003		0.0577	0.0577		0.0531	0.0531	0.0000	148.7076	148.7076	0.0463	0.0000	149.8650
Total	0.1182	1.1996	0.6746	1.6300e-003		0.0577	0.0577		0.0531	0.0531	0.0000	148.7076	148.7076	0.0463	0.0000	149.8650

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3.9 Trenching WU-Phase 2 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1700e-003	2.5100e-003	0.0241	6.0000e-005	5.9400e-003	4.0000e-005	5.9900e-003	1.5800e-003	4.0000e-005	1.6200e-003	0.0000	5.7189	5.7189	2.0000e-004	0.0000	5.7238
Total	3.1700e-003	2.5100e-003	0.0241	6.0000e-005	5.9400e-003	4.0000e-005	5.9900e-003	1.5800e-003	4.0000e-005	1.6200e-003	0.0000	5.7189	5.7189	2.0000e-004	0.0000	5.7238

3.10 Grading-Phase 3 - 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	tons/yr										MT/yr					
Fugitive Dust					0.2699	0.0000	0.2699	0.0956	0.0000	0.0956	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2856	3.8423	1.7425	4.3700e-003		0.1293	0.1293		0.1189	0.1189	0.0000	398.6574	398.6574	0.1241	0.0000	401.7601
Total	0.2856	3.8423	1.7425	4.3700e-003	0.2699	0.1293	0.3992	0.0956	0.1189	0.2146	0.0000	398.6574	398.6574	0.1241	0.0000	401.7601

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3.10 Grading-Phase 3 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9900e-003	2.3700e-003	0.0227	6.0000e-005	5.6100e-003	4.0000e-005	5.6500e-003	1.4900e-003	4.0000e-005	1.5300e-003	0.0000	5.4024	5.4024	1.9000e-004	0.0000	5.4071
Total	2.9900e-003	2.3700e-003	0.0227	6.0000e-005	5.6100e-003	4.0000e-005	5.6500e-003	1.4900e-003	4.0000e-005	1.5300e-003	0.0000	5.4024	5.4024	1.9000e-004	0.0000	5.4071

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1052	0.0000	0.1052	0.0373	0.0000	0.0373	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2856	3.8423	1.7425	4.3700e-003		0.1293	0.1293		0.1189	0.1189	0.0000	398.6569	398.6569	0.1241	0.0000	401.7596
Total	0.2856	3.8423	1.7425	4.3700e-003	0.1052	0.1293	0.2345	0.0373	0.1189	0.1562	0.0000	398.6569	398.6569	0.1241	0.0000	401.7596

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3.10 Grading-Phase 3 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9900e-003	2.3700e-003	0.0227	6.0000e-005	5.6100e-003	4.0000e-005	5.6500e-003	1.4900e-003	4.0000e-005	1.5300e-003	0.0000	5.4024	5.4024	1.9000e-004	0.0000	5.4071
Total	2.9900e-003	2.3700e-003	0.0227	6.0000e-005	5.6100e-003	4.0000e-005	5.6500e-003	1.4900e-003	4.0000e-005	1.5300e-003	0.0000	5.4024	5.4024	1.9000e-004	0.0000	5.4071

3.11 Surface Improvements-Phase 1 - 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	tons/yr										MT/yr					
Off-Road	0.1018	1.2216	0.7121	1.3000e-003		0.0523	0.0523		0.0481	0.0481	0.0000	118.9861	118.9861	0.0370	0.0000	119.9121
Paving	0.0843					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1861	1.2216	0.7121	1.3000e-003		0.0523	0.0523		0.0481	0.0481	0.0000	118.9861	118.9861	0.0370	0.0000	119.9121

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3.11 Surface Improvements-Phase 1 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.4000e-004	0.0112	3.0800e-003	2.0000e-005	5.6000e-004	9.0000e-005	6.4000e-004	1.6000e-004	8.0000e-005	2.4000e-004	0.0000	2.2483	2.2483	1.9000e-004	0.0000	2.2530
Worker	1.8000e-003	1.4200e-003	0.0136	4.0000e-005	3.3700e-003	2.0000e-005	3.3900e-003	8.9000e-004	2.0000e-005	9.2000e-004	0.0000	3.2415	3.2415	1.1000e-004	0.0000	3.2443
Total	2.2400e-003	0.0126	0.0167	6.0000e-005	3.9300e-003	1.1000e-004	4.0300e-003	1.0500e-003	1.0000e-004	1.1600e-003	0.0000	5.4898	5.4898	3.0000e-004	0.0000	5.4972

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1018	1.2216	0.7121	1.3000e-003		0.0523	0.0523		0.0481	0.0481	0.0000	118.9859	118.9859	0.0370	0.0000	119.9120
Paving	0.0843					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1861	1.2216	0.7121	1.3000e-003		0.0523	0.0523		0.0481	0.0481	0.0000	118.9859	118.9859	0.0370	0.0000	119.9120

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3.11 Surface Improvements-Phase 1 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.4000e-004	0.0112	3.0800e-003	2.0000e-005	5.6000e-004	9.0000e-005	6.4000e-004	1.6000e-004	8.0000e-005	2.4000e-004	0.0000	2.2483	2.2483	1.9000e-004	0.0000	2.2530
Worker	1.8000e-003	1.4200e-003	0.0136	4.0000e-005	3.3700e-003	2.0000e-005	3.3900e-003	8.9000e-004	2.0000e-005	9.2000e-004	0.0000	3.2415	3.2415	1.1000e-004	0.0000	3.2443
Total	2.2400e-003	0.0126	0.0167	6.0000e-005	3.9300e-003	1.1000e-004	4.0300e-003	1.0500e-003	1.0000e-004	1.1600e-003	0.0000	5.4898	5.4898	3.0000e-004	0.0000	5.4972

3.12 Paving-Country Club & Nutmeg - 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	tons/yr										MT/yr					
Off-Road	0.0678	0.7305	0.4340	8.9000e-004		0.0345	0.0345		0.0318	0.0318	0.0000	81.4055	81.4055	0.0253	0.0000	82.0391
Paving	0.0843					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1521	0.7305	0.4340	8.9000e-004		0.0345	0.0345		0.0318	0.0318	0.0000	81.4055	81.4055	0.0253	0.0000	82.0391

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3.12 Paving-Country Club & Nutmeg - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1100e-003	1.6700e-003	0.0160	4.0000e-005	3.9600e-003	3.0000e-005	3.9900e-003	1.0500e-003	3.0000e-005	1.0800e-003	0.0000	3.8126	3.8126	1.3000e-004	0.0000	3.8159
Total	2.1100e-003	1.6700e-003	0.0160	4.0000e-005	3.9600e-003	3.0000e-005	3.9900e-003	1.0500e-003	3.0000e-005	1.0800e-003	0.0000	3.8126	3.8126	1.3000e-004	0.0000	3.8159

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0678	0.7305	0.4340	8.9000e-004		0.0345	0.0345		0.0318	0.0318	0.0000	81.4054	81.4054	0.0253	0.0000	82.0390
Paving	0.0843					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1521	0.7305	0.4340	8.9000e-004		0.0345	0.0345		0.0318	0.0318	0.0000	81.4054	81.4054	0.0253	0.0000	82.0390

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3.12 Paving-Country Club & Nutmeg - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1100e-003	1.6700e-003	0.0160	4.0000e-005	3.9600e-003	3.0000e-005	3.9900e-003	1.0500e-003	3.0000e-005	1.0800e-003	0.0000	3.8126	3.8126	1.3000e-004	0.0000	3.8159
Total	2.1100e-003	1.6700e-003	0.0160	4.0000e-005	3.9600e-003	3.0000e-005	3.9900e-003	1.0500e-003	3.0000e-005	1.0800e-003	0.0000	3.8126	3.8126	1.3000e-004	0.0000	3.8159

3.13 Grading-Phase 4 - 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	tons/yr										MT/yr					
Fugitive Dust					0.3346	0.0000	0.3346	0.1186	0.0000	0.1186	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3541	4.7645	2.1607	5.4200e-003		0.1603	0.1603		0.1475	0.1475	0.0000	494.3351	494.3351	0.1539	0.0000	498.1825
Total	0.3541	4.7645	2.1607	5.4200e-003	0.3346	0.1603	0.4949	0.1186	0.1475	0.2661	0.0000	494.3351	494.3351	0.1539	0.0000	498.1825

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3.13 Grading-Phase 4 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7100e-003	2.9400e-003	0.0282	7.0000e-005	6.9600e-003	5.0000e-005	7.0100e-003	1.8500e-003	5.0000e-005	1.9000e-003	0.0000	6.6990	6.6990	2.3000e-004	0.0000	6.7048
Total	3.7100e-003	2.9400e-003	0.0282	7.0000e-005	6.9600e-003	5.0000e-005	7.0100e-003	1.8500e-003	5.0000e-005	1.9000e-003	0.0000	6.6990	6.6990	2.3000e-004	0.0000	6.7048

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1305	0.0000	0.1305	0.0463	0.0000	0.0463	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3541	4.7645	2.1607	5.4200e-003		0.1603	0.1603		0.1475	0.1475	0.0000	494.3346	494.3346	0.1539	0.0000	498.1819
Total	0.3541	4.7645	2.1607	5.4200e-003	0.1305	0.1603	0.2908	0.0463	0.1475	0.1937	0.0000	494.3346	494.3346	0.1539	0.0000	498.1819

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3.13 Grading-Phase 4 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7100e-003	2.9400e-003	0.0282	7.0000e-005	6.9600e-003	5.0000e-005	7.0100e-003	1.8500e-003	5.0000e-005	1.9000e-003	0.0000	6.6990	6.6990	2.3000e-004	0.0000	6.7048
Total	3.7100e-003	2.9400e-003	0.0282	7.0000e-005	6.9600e-003	5.0000e-005	7.0100e-003	1.8500e-003	5.0000e-005	1.9000e-003	0.0000	6.6990	6.6990	2.3000e-004	0.0000	6.7048

3.14 Import-Phase 3 - 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	tons/yr										MT/yr					
Fugitive Dust					0.0643	0.0000	0.0643	0.0323	0.0000	0.0323	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0309	0.3509	0.2181	3.2000e-004		0.0147	0.0147		0.0135	0.0135	0.0000	28.7968	28.7968	8.9600e-003	0.0000	29.0209
Total	0.0309	0.3509	0.2181	3.2000e-004	0.0643	0.0147	0.0790	0.0323	0.0135	0.0458	0.0000	28.7968	28.7968	8.9600e-003	0.0000	29.0209

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3.14 Import-Phase 3 - 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	tons/yr										MT/yr					
Hauling	0.0165	0.5783	0.1207	1.4200e-003	0.0305	2.2500e-003	0.0327	8.3700e-003	2.1500e-003	0.0105	0.0000	140.3881	140.3881	0.0127	0.0000	140.7048
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.3000e-004	5.8000e-004	5.5500e-003	1.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.3197	1.3197	5.0000e-005	0.0000	1.3209
Total	0.0172	0.5789	0.1262	1.4300e-003	0.0319	2.2600e-003	0.0341	8.7300e-003	2.1600e-003	0.0109	0.0000	141.7079	141.7079	0.0127	0.0000	142.0257

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0251	0.0000	0.0251	0.0126	0.0000	0.0126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0309	0.3509	0.2181	3.2000e-004		0.0147	0.0147		0.0135	0.0135	0.0000	28.7967	28.7967	8.9600e-003	0.0000	29.0209
Total	0.0309	0.3509	0.2181	3.2000e-004	0.0251	0.0147	0.0398	0.0126	0.0135	0.0261	0.0000	28.7967	28.7967	8.9600e-003	0.0000	29.0209

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3.14 Import-Phase 3 - 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	tons/yr										MT/yr					
Hauling	0.0165	0.5783	0.1207	1.4200e-003	0.0305	2.2500e-003	0.0327	8.3700e-003	2.1500e-003	0.0105	0.0000	140.3881	140.3881	0.0127	0.0000	140.7048
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.3000e-004	5.8000e-004	5.5500e-003	1.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.3197	1.3197	5.0000e-005	0.0000	1.3209
Total	0.0172	0.5789	0.1262	1.4300e-003	0.0319	2.2600e-003	0.0341	8.7300e-003	2.1600e-003	0.0109	0.0000	141.7079	141.7079	0.0127	0.0000	142.0257

3.15 Trenching DU-Phase 2 - 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	tons/yr										MT/yr					
Off-Road	0.0248	0.2447	0.1800	2.9000e-004		0.0139	0.0139		0.0128	0.0128	0.0000	26.8704	26.8704	8.3700e-003	0.0000	27.0796
Total	0.0248	0.2447	0.1800	2.9000e-004		0.0139	0.0139		0.0128	0.0128	0.0000	26.8704	26.8704	8.3700e-003	0.0000	27.0796

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3.15 Trenching DU-Phase 2 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.5000e-004	5.9000e-004	5.6800e-003	1.0000e-005	1.4000e-003	1.0000e-005	1.4100e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.3506	1.3506	5.0000e-005	0.0000	1.3518
Total	7.5000e-004	5.9000e-004	5.6800e-003	1.0000e-005	1.4000e-003	1.0000e-005	1.4100e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.3506	1.3506	5.0000e-005	0.0000	1.3518

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0248	0.2447	0.1800	2.9000e-004		0.0139	0.0139		0.0128	0.0128	0.0000	26.8704	26.8704	8.3700e-003	0.0000	27.0795
Total	0.0248	0.2447	0.1800	2.9000e-004		0.0139	0.0139		0.0128	0.0128	0.0000	26.8704	26.8704	8.3700e-003	0.0000	27.0795

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3.15 Trenching DU-Phase 2 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.5000e-004	5.9000e-004	5.6800e-003	1.0000e-005	1.4000e-003	1.0000e-005	1.4100e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.3506	1.3506	5.0000e-005	0.0000	1.3518
Total	7.5000e-004	5.9000e-004	5.6800e-003	1.0000e-005	1.4000e-003	1.0000e-005	1.4100e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.3506	1.3506	5.0000e-005	0.0000	1.3518

3.16 Import-Phase 4 - 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	tons/yr										MT/yr					
Fugitive Dust					0.1826	0.0000	0.1826	0.0918	0.0000	0.0918	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1001	1.1220	0.6756	1.0700e-003		0.0469	0.0469		0.0432	0.0432	0.0000	97.8535	97.8535	0.0305	0.0000	98.6151
Total	0.1001	1.1220	0.6756	1.0700e-003	0.1826	0.0469	0.2295	0.0918	0.0432	0.1349	0.0000	97.8535	97.8535	0.0305	0.0000	98.6151

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3.16 Import-Phase 4 - 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	tons/yr										MT/yr					
Hauling	0.0469	1.6435	0.3429	4.0400e-003	0.0866	6.4000e-003	0.0930	0.0238	6.1200e-003	0.0299	0.0000	398.9418	398.9418	0.0360	0.0000	399.8418
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3100e-003	1.8300e-003	0.0175	5.0000e-005	4.3300e-003	3.0000e-005	4.3600e-003	1.1500e-003	3.0000e-005	1.1800e-003	0.0000	4.1676	4.1676	1.4000e-004	0.0000	4.1712
Total	0.0492	1.6453	0.3605	4.0900e-003	0.0910	6.4300e-003	0.0974	0.0249	6.1500e-003	0.0311	0.0000	403.1094	403.1094	0.0361	0.0000	404.0129

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0712	0.0000	0.0712	0.0358	0.0000	0.0358	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1001	1.1220	0.6756	1.0700e-003		0.0469	0.0469		0.0432	0.0432	0.0000	97.8534	97.8534	0.0305	0.0000	98.6149
Total	0.1001	1.1220	0.6756	1.0700e-003	0.0712	0.0469	0.1181	0.0358	0.0432	0.0790	0.0000	97.8534	97.8534	0.0305	0.0000	98.6149

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3.16 Import-Phase 4 - 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	tons/yr										MT/yr					
Hauling	0.0469	1.6435	0.3429	4.0400e-003	0.0866	6.4000e-003	0.0930	0.0238	6.1200e-003	0.0299	0.0000	398.9418	398.9418	0.0360	0.0000	399.8418
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3100e-003	1.8300e-003	0.0175	5.0000e-005	4.3300e-003	3.0000e-005	4.3600e-003	1.1500e-003	3.0000e-005	1.1800e-003	0.0000	4.1676	4.1676	1.4000e-004	0.0000	4.1712
Total	0.0492	1.6453	0.3605	4.0900e-003	0.0910	6.4300e-003	0.0974	0.0249	6.1500e-003	0.0311	0.0000	403.1094	403.1094	0.0361	0.0000	404.0129

3.17 Trenching WU-Phase 3 - 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	tons/yr										MT/yr					
Off-Road	0.0726	0.7366	0.4142	1.0000e-003		0.0354	0.0354		0.0326	0.0326	0.0000	91.3118	91.3118	0.0284	0.0000	92.0225
Total	0.0726	0.7366	0.4142	1.0000e-003		0.0354	0.0354		0.0326	0.0326	0.0000	91.3118	91.3118	0.0284	0.0000	92.0225

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3.17 Trenching WU-Phase 3 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9400e-003	1.5400e-003	0.0148	4.0000e-005	3.6500e-003	3.0000e-005	3.6800e-003	9.7000e-004	2.0000e-005	9.9000e-004	0.0000	3.5116	3.5116	1.2000e-004	0.0000	3.5146
Total	1.9400e-003	1.5400e-003	0.0148	4.0000e-005	3.6500e-003	3.0000e-005	3.6800e-003	9.7000e-004	2.0000e-005	9.9000e-004	0.0000	3.5116	3.5116	1.2000e-004	0.0000	3.5146

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0726	0.7366	0.4142	1.0000e-003		0.0354	0.0354		0.0326	0.0326	0.0000	91.3117	91.3117	0.0284	0.0000	92.0224
Total	0.0726	0.7366	0.4142	1.0000e-003		0.0354	0.0354		0.0326	0.0326	0.0000	91.3117	91.3117	0.0284	0.0000	92.0224

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3.17 Trenching WU-Phase 3 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9400e-003	1.5400e-003	0.0148	4.0000e-005	3.6500e-003	3.0000e-005	3.6800e-003	9.7000e-004	2.0000e-005	9.9000e-004	0.0000	3.5116	3.5116	1.2000e-004	0.0000	3.5146
Total	1.9400e-003	1.5400e-003	0.0148	4.0000e-005	3.6500e-003	3.0000e-005	3.6800e-003	9.7000e-004	2.0000e-005	9.9000e-004	0.0000	3.5116	3.5116	1.2000e-004	0.0000	3.5146

3.18 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	tons/yr										MT/yr					
Off-Road	0.1126	0.9965	0.7415	1.1400e-003		0.0635	0.0635		0.0596	0.0596	0.0000	100.7217	100.7217	0.0251	0.0000	101.3499
Total	0.1126	0.9965	0.7415	1.1400e-003		0.0635	0.0635		0.0596	0.0596	0.0000	100.7217	100.7217	0.0251	0.0000	101.3499

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3.18 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0112	0.2847	0.0783	5.9000e-004	0.0142	2.2100e-003	0.0164	4.0900e-003	2.1200e-003	6.2000e-003	0.0000	57.0916	57.0916	4.7000e-003	0.0000	57.2092
Worker	0.0307	0.0243	0.2334	6.1000e-004	0.0577	4.3000e-004	0.0581	0.0153	3.9000e-004	0.0157	0.0000	55.4829	55.4829	1.9100e-003	0.0000	55.5308
Total	0.0419	0.3091	0.3117	1.2000e-003	0.0718	2.6400e-003	0.0744	0.0194	2.5100e-003	0.0219	0.0000	112.5745	112.5745	6.6100e-003	0.0000	112.7400

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1126	0.9965	0.7415	1.1400e-003		0.0635	0.0635		0.0596	0.0596	0.0000	100.7216	100.7216	0.0251	0.0000	101.3497
Total	0.1126	0.9965	0.7415	1.1400e-003		0.0635	0.0635		0.0596	0.0596	0.0000	100.7216	100.7216	0.0251	0.0000	101.3497

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3.18 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0112	0.2847	0.0783	5.9000e-004	0.0142	2.2100e-003	0.0164	4.0900e-003	2.1200e-003	6.2000e-003	0.0000	57.0916	57.0916	4.7000e-003	0.0000	57.2092
Worker	0.0307	0.0243	0.2334	6.1000e-004	0.0577	4.3000e-004	0.0581	0.0153	3.9000e-004	0.0157	0.0000	55.4829	55.4829	1.9100e-003	0.0000	55.5308
Total	0.0419	0.3091	0.3117	1.2000e-003	0.0718	2.6400e-003	0.0744	0.0194	2.5100e-003	0.0219	0.0000	112.5745	112.5745	6.6100e-003	0.0000	112.7400

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3278	2.9632	2.3900	3.7600e-003		0.1801	0.1801		0.1691	0.1691	0.0000	328.9174	328.9174	0.0817	0.0000	330.9609
Total	0.3278	2.9632	2.3900	3.7600e-003		0.1801	0.1801		0.1691	0.1691	0.0000	328.9174	328.9174	0.0817	0.0000	330.9609

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3.18 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0330	0.8845	0.2376	1.9300e-003	0.0468	6.1200e-003	0.0529	0.0135	5.8600e-003	0.0194	0.0000	187.2233	187.2233	0.0150	0.0000	187.5989
Worker	0.0936	0.0719	0.6949	1.9700e-003	0.1905	1.3900e-003	0.1919	0.0506	1.2800e-003	0.0519	0.0000	177.7754	177.7754	5.7200e-003	0.0000	177.9183
Total	0.1267	0.9564	0.9326	3.9000e-003	0.2372	7.5100e-003	0.2448	0.0641	7.1400e-003	0.0713	0.0000	364.9987	364.9987	0.0208	0.0000	365.5172

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3278	2.9632	2.3900	3.7600e-003		0.1801	0.1801		0.1691	0.1691	0.0000	328.9171	328.9171	0.0817	0.0000	330.9605
Total	0.3278	2.9632	2.3900	3.7600e-003		0.1801	0.1801		0.1691	0.1691	0.0000	328.9171	328.9171	0.0817	0.0000	330.9605

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3.18 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0330	0.8845	0.2376	1.9300e-003	0.0468	6.1200e-003	0.0529	0.0135	5.8600e-003	0.0194	0.0000	187.2233	187.2233	0.0150	0.0000	187.5989
Worker	0.0936	0.0719	0.6949	1.9700e-003	0.1905	1.3900e-003	0.1919	0.0506	1.2800e-003	0.0519	0.0000	177.7754	177.7754	5.7200e-003	0.0000	177.9183
Total	0.1267	0.9564	0.9326	3.9000e-003	0.2372	7.5100e-003	0.2448	0.0641	7.1400e-003	0.0713	0.0000	364.9987	364.9987	0.0208	0.0000	365.5172

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2954	2.7051	2.3538	3.7700e-003		0.1565	0.1565		0.1470	0.1470	0.0000	325.1139	325.1139	0.0810	0.0000	327.1399
Total	0.2954	2.7051	2.3538	3.7700e-003		0.1565	0.1565		0.1470	0.1470	0.0000	325.1139	325.1139	0.0810	0.0000	327.1399

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0270	0.8063	0.2142	1.9200e-003	0.0470	3.9300e-003	0.0509	0.0136	3.7600e-003	0.0173	0.0000	186.6556	186.6556	0.0143	0.0000	187.0133
Worker	0.0879	0.0651	0.6380	1.9100e-003	0.1912	1.3700e-003	0.1926	0.0508	1.2700e-003	0.0521	0.0000	172.8248	172.8248	5.1900e-003	0.0000	172.9545
Total	0.1148	0.8714	0.8522	3.8300e-003	0.2381	5.3000e-003	0.2435	0.0644	5.0300e-003	0.0694	0.0000	359.4804	359.4804	0.0195	0.0000	359.9678

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2954	2.7051	2.3538	3.7700e-003		0.1565	0.1565		0.1470	0.1470	0.0000	325.1135	325.1135	0.0810	0.0000	327.1395
Total	0.2954	2.7051	2.3538	3.7700e-003		0.1565	0.1565		0.1470	0.1470	0.0000	325.1135	325.1135	0.0810	0.0000	327.1395

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3.18 Building Construction - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0270	0.8063	0.2142	1.9200e-003	0.0470	3.9300e-003	0.0509	0.0136	3.7600e-003	0.0173	0.0000	186.6556	186.6556	0.0143	0.0000	187.0133
Worker	0.0879	0.0651	0.6380	1.9100e-003	0.1912	1.3700e-003	0.1926	0.0508	1.2700e-003	0.0521	0.0000	172.8248	172.8248	5.1900e-003	0.0000	172.9545
Total	0.1148	0.8714	0.8522	3.8300e-003	0.2381	5.3000e-003	0.2435	0.0644	5.0300e-003	0.0694	0.0000	359.4804	359.4804	0.0195	0.0000	359.9678

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2640	2.4468	2.3060	3.7600e-003		0.1338	0.1338		0.1256	0.1256	0.0000	323.9137	323.9137	0.0799	0.0000	325.9118
Total	0.2640	2.4468	2.3060	3.7600e-003		0.1338	0.1338		0.1256	0.1256	0.0000	323.9137	323.9137	0.0799	0.0000	325.9118

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0218	0.7242	0.1931	1.8900e-003	0.0468	1.5300e-003	0.0483	0.0135	1.4700e-003	0.0150	0.0000	184.2368	184.2368	0.0137	0.0000	184.5786
Worker	0.0826	0.0589	0.5934	1.8400e-003	0.1905	1.3500e-003	0.1918	0.0506	1.2400e-003	0.0519	0.0000	166.3811	166.3811	4.7700e-003	0.0000	166.5004
Total	0.1044	0.7831	0.7865	3.7300e-003	0.2372	2.8800e-003	0.2401	0.0641	2.7100e-003	0.0668	0.0000	350.6179	350.6179	0.0184	0.0000	351.0790

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2640	2.4468	2.3060	3.7600e-003		0.1338	0.1338		0.1256	0.1256	0.0000	323.9133	323.9133	0.0799	0.0000	325.9114
Total	0.2640	2.4468	2.3060	3.7600e-003		0.1338	0.1338		0.1256	0.1256	0.0000	323.9133	323.9133	0.0799	0.0000	325.9114

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0218	0.7242	0.1931	1.8900e-003	0.0468	1.5300e-003	0.0483	0.0135	1.4700e-003	0.0150	0.0000	184.2368	184.2368	0.0137	0.0000	184.5786
Worker	0.0826	0.0589	0.5934	1.8400e-003	0.1905	1.3500e-003	0.1918	0.0506	1.2400e-003	0.0519	0.0000	166.3811	166.3811	4.7700e-003	0.0000	166.5004
Total	0.1044	0.7831	0.7865	3.7300e-003	0.2372	2.8800e-003	0.2401	0.0641	2.7100e-003	0.0668	0.0000	350.6179	350.6179	0.0184	0.0000	351.0790

3.18 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2241	2.0707	2.1537	3.5600e-003		0.1068	0.1068		0.1003	0.1003	0.0000	306.6632	306.6632	0.0752	0.0000	308.5428
Total	0.2241	2.0707	2.1537	3.5600e-003		0.1068	0.1068		0.1003	0.1003	0.0000	306.6632	306.6632	0.0752	0.0000	308.5428

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3.18 Building Construction - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	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	0.0192	0.6472	0.1730	1.7700e-003	0.0443	1.2500e-003	0.0455	0.0128	1.1900e-003	0.0140	0.0000	172.7032	172.7032	0.0125	0.0000	173.0166
Worker	0.0739	0.0508	0.5213	1.6800e-003	0.1803	1.2500e-003	0.1815	0.0479	1.1500e-003	0.0491	0.0000	151.6845	151.6845	4.1300e-003	0.0000	151.7878
Total	0.0931	0.6980	0.6944	3.4500e-003	0.2245	2.5000e-003	0.2270	0.0607	2.3400e-003	0.0630	0.0000	324.3877	324.3877	0.0167	0.0000	324.8044

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2241	2.0707	2.1537	3.5600e-003		0.1068	0.1068		0.1003	0.1003	0.0000	306.6628	306.6628	0.0752	0.0000	308.5424
Total	0.2241	2.0707	2.1537	3.5600e-003		0.1068	0.1068		0.1003	0.1003	0.0000	306.6628	306.6628	0.0752	0.0000	308.5424

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3.18 Building Construction - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	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	0.0192	0.6472	0.1730	1.7700e-003	0.0443	1.2500e-003	0.0455	0.0128	1.1900e-003	0.0140	0.0000	172.7032	172.7032	0.0125	0.0000	173.0166
Worker	0.0739	0.0508	0.5213	1.6800e-003	0.1803	1.2500e-003	0.1815	0.0479	1.1500e-003	0.0491	0.0000	151.6845	151.6845	4.1300e-003	0.0000	151.7878
Total	0.0931	0.6980	0.6944	3.4500e-003	0.2245	2.5000e-003	0.2270	0.0607	2.3400e-003	0.0630	0.0000	324.3877	324.3877	0.0167	0.0000	324.8044

3.19 Paving-El Norte & Nutmeg - 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	tons/yr										MT/yr					
Off-Road	0.0688	0.7230	0.4871	8.9000e-004		0.0363	0.0363		0.0334	0.0334	0.0000	81.5132	81.5132	0.0254	0.0000	82.1476
Paving	0.0843					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1531	0.7230	0.4871	8.9000e-004		0.0363	0.0363		0.0334	0.0334	0.0000	81.5132	81.5132	0.0254	0.0000	82.1476

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3.19 Paving-El Norte & Nutmeg - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-003	1.9800e-003	0.0190	5.0000e-005	4.6900e-003	3.0000e-005	4.7300e-003	1.2500e-003	3.0000e-005	1.2800e-003	0.0000	4.5149	4.5149	1.6000e-004	0.0000	4.5188
Total	2.5000e-003	1.9800e-003	0.0190	5.0000e-005	4.6900e-003	3.0000e-005	4.7300e-003	1.2500e-003	3.0000e-005	1.2800e-003	0.0000	4.5149	4.5149	1.6000e-004	0.0000	4.5188

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0688	0.7230	0.4871	8.9000e-004		0.0363	0.0363		0.0334	0.0334	0.0000	81.5131	81.5131	0.0254	0.0000	82.1475
Paving	0.0843					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1531	0.7230	0.4871	8.9000e-004		0.0363	0.0363		0.0334	0.0334	0.0000	81.5131	81.5131	0.0254	0.0000	82.1475

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3.19 Paving-El Norte & Nutmeg - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-003	1.9800e-003	0.0190	5.0000e-005	4.6900e-003	3.0000e-005	4.7300e-003	1.2500e-003	3.0000e-005	1.2800e-003	0.0000	4.5149	4.5149	1.6000e-004	0.0000	4.5188
Total	2.5000e-003	1.9800e-003	0.0190	5.0000e-005	4.6900e-003	3.0000e-005	4.7300e-003	1.2500e-003	3.0000e-005	1.2800e-003	0.0000	4.5149	4.5149	1.6000e-004	0.0000	4.5188

3.20 Surface Improvements-Phase 2 - 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	tons/yr										MT/yr					
Off-Road	0.0743	0.8792	0.5037	9.6000e-004		0.0375	0.0375		0.0345	0.0345	0.0000	87.6256	87.6256	0.0273	0.0000	88.3075
Paving	0.0843					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1586	0.8792	0.5037	9.6000e-004		0.0375	0.0375		0.0345	0.0345	0.0000	87.6256	87.6256	0.0273	0.0000	88.3075

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3.20 Surface Improvements-Phase 2 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.9000e-004	7.4800e-003	2.0600e-003	2.0000e-005	3.7000e-004	6.0000e-005	4.3000e-004	1.1000e-004	6.0000e-005	1.6000e-004	0.0000	1.4989	1.4989	1.2000e-004	0.0000	1.5020
Worker	1.4400e-003	1.1400e-003	0.0109	3.0000e-005	2.6900e-003	2.0000e-005	2.7100e-003	7.2000e-004	2.0000e-005	7.3000e-004	0.0000	2.5932	2.5932	9.0000e-005	0.0000	2.5954
Total	1.7300e-003	8.6200e-003	0.0130	5.0000e-005	3.0600e-003	8.0000e-005	3.1400e-003	8.3000e-004	8.0000e-005	8.9000e-004	0.0000	4.0921	4.0921	2.1000e-004	0.0000	4.0974

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0743	0.8792	0.5037	9.6000e-004		0.0375	0.0375		0.0345	0.0345	0.0000	87.6255	87.6255	0.0273	0.0000	88.3074
Paving	0.0843					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1586	0.8792	0.5037	9.6000e-004		0.0375	0.0375		0.0345	0.0345	0.0000	87.6255	87.6255	0.0273	0.0000	88.3074

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3.20 Surface Improvements-Phase 2 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.9000e-004	7.4800e-003	2.0600e-003	2.0000e-005	3.7000e-004	6.0000e-005	4.3000e-004	1.1000e-004	6.0000e-005	1.6000e-004	0.0000	1.4989	1.4989	1.2000e-004	0.0000	1.5020
Worker	1.4400e-003	1.1400e-003	0.0109	3.0000e-005	2.6900e-003	2.0000e-005	2.7100e-003	7.2000e-004	2.0000e-005	7.3000e-004	0.0000	2.5932	2.5932	9.0000e-005	0.0000	2.5954
Total	1.7300e-003	8.6200e-003	0.0130	5.0000e-005	3.0600e-003	8.0000e-005	3.1400e-003	8.3000e-004	8.0000e-005	8.9000e-004	0.0000	4.0921	4.0921	2.1000e-004	0.0000	4.0974

3.21 Trenching DU-Phase 3 - 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	tons/yr										MT/yr					
Off-Road	0.0149	0.1468	0.1080	1.8000e-004		8.3200e-003	8.3200e-003		7.6500e-003	7.6500e-003	0.0000	16.1223	16.1223	5.0200e-003	0.0000	16.2477
Total	0.0149	0.1468	0.1080	1.8000e-004		8.3200e-003	8.3200e-003		7.6500e-003	7.6500e-003	0.0000	16.1223	16.1223	5.0200e-003	0.0000	16.2477

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3.21 Trenching DU-Phase 3 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	3.6000e-004	3.4100e-003	1.0000e-005	8.4000e-004	1.0000e-005	8.5000e-004	2.2000e-004	1.0000e-005	2.3000e-004	0.0000	0.8104	0.8104	3.0000e-005	0.0000	0.8111
Total	4.5000e-004	3.6000e-004	3.4100e-003	1.0000e-005	8.4000e-004	1.0000e-005	8.5000e-004	2.2000e-004	1.0000e-005	2.3000e-004	0.0000	0.8104	0.8104	3.0000e-005	0.0000	0.8111

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0149	0.1468	0.1080	1.8000e-004		8.3200e-003	8.3200e-003		7.6500e-003	7.6500e-003	0.0000	16.1222	16.1222	5.0200e-003	0.0000	16.2477
Total	0.0149	0.1468	0.1080	1.8000e-004		8.3200e-003	8.3200e-003		7.6500e-003	7.6500e-003	0.0000	16.1222	16.1222	5.0200e-003	0.0000	16.2477

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3.21 Trenching DU-Phase 3 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	3.6000e-004	3.4100e-003	1.0000e-005	8.4000e-004	1.0000e-005	8.5000e-004	2.2000e-004	1.0000e-005	2.3000e-004	0.0000	0.8104	0.8104	3.0000e-005	0.0000	0.8111
Total	4.5000e-004	3.6000e-004	3.4100e-003	1.0000e-005	8.4000e-004	1.0000e-005	8.5000e-004	2.2000e-004	1.0000e-005	2.3000e-004	0.0000	0.8104	0.8104	3.0000e-005	0.0000	0.8111

3.22 Trenching WU-Phase 4 - 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	tons/yr										MT/yr					
Off-Road	0.0912	0.9260	0.5207	1.2600e-003		0.0446	0.0446		0.0410	0.0410	0.0000	114.7920	114.7920	0.0357	0.0000	115.6854
Total	0.0912	0.9260	0.5207	1.2600e-003		0.0446	0.0446		0.0410	0.0410	0.0000	114.7920	114.7920	0.0357	0.0000	115.6854

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3.22 Trenching WU-Phase 4 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4400e-003	1.9400e-003	0.0186	5.0000e-005	4.5900e-003	3.0000e-005	4.6200e-003	1.2200e-003	3.0000e-005	1.2500e-003	0.0000	4.4146	4.4146	1.5000e-004	0.0000	4.4184
Total	2.4400e-003	1.9400e-003	0.0186	5.0000e-005	4.5900e-003	3.0000e-005	4.6200e-003	1.2200e-003	3.0000e-005	1.2500e-003	0.0000	4.4146	4.4146	1.5000e-004	0.0000	4.4184

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0912	0.9260	0.5207	1.2600e-003		0.0446	0.0446		0.0410	0.0410	0.0000	114.7918	114.7918	0.0357	0.0000	115.6853
Total	0.0912	0.9260	0.5207	1.2600e-003		0.0446	0.0446		0.0410	0.0410	0.0000	114.7918	114.7918	0.0357	0.0000	115.6853

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3.22 Trenching WU-Phase 4 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4400e-003	1.9400e-003	0.0186	5.0000e-005	4.5900e-003	3.0000e-005	4.6200e-003	1.2200e-003	3.0000e-005	1.2500e-003	0.0000	4.4146	4.4146	1.5000e-004	0.0000	4.4184
Total	2.4400e-003	1.9400e-003	0.0186	5.0000e-005	4.5900e-003	3.0000e-005	4.6200e-003	1.2200e-003	3.0000e-005	1.2500e-003	0.0000	4.4146	4.4146	1.5000e-004	0.0000	4.4184

3.23 Surface Improvements-Phase 3 - 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	tons/yr										MT/yr					
Off-Road	0.0477	0.5652	0.3238	6.2000e-004		0.0241	0.0241		0.0222	0.0222	0.0000	56.3307	56.3307	0.0175	0.0000	56.7691
Paving	0.0843					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1320	0.5652	0.3238	6.2000e-004		0.0241	0.0241		0.0222	0.0222	0.0000	56.3307	56.3307	0.0175	0.0000	56.7691

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3.23 Surface Improvements-Phase 3 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9000e-004	4.8100e-003	1.3200e-003	1.0000e-005	2.4000e-004	4.0000e-005	2.8000e-004	7.0000e-005	4.0000e-005	1.0000e-004	0.0000	0.9636	0.9636	8.0000e-005	0.0000	0.9656
Worker	9.2000e-004	7.3000e-004	7.0100e-003	2.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.6670	1.6670	6.0000e-005	0.0000	1.6685
Total	1.1100e-003	5.5400e-003	8.3300e-003	3.0000e-005	1.9700e-003	5.0000e-005	2.0200e-003	5.3000e-004	5.0000e-005	5.7000e-004	0.0000	2.6306	2.6306	1.4000e-004	0.0000	2.6340

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0477	0.5652	0.3238	6.2000e-004		0.0241	0.0241		0.0222	0.0222	0.0000	56.3307	56.3307	0.0175	0.0000	56.7691
Paving	0.0843					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1320	0.5652	0.3238	6.2000e-004		0.0241	0.0241		0.0222	0.0222	0.0000	56.3307	56.3307	0.0175	0.0000	56.7691

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3.23 Surface Improvements-Phase 3 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9000e-004	4.8100e-003	1.3200e-003	1.0000e-005	2.4000e-004	4.0000e-005	2.8000e-004	7.0000e-005	4.0000e-005	1.0000e-004	0.0000	0.9636	0.9636	8.0000e-005	0.0000	0.9656
Worker	9.2000e-004	7.3000e-004	7.0100e-003	2.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.6670	1.6670	6.0000e-005	0.0000	1.6685
Total	1.1100e-003	5.5400e-003	8.3300e-003	3.0000e-005	1.9700e-003	5.0000e-005	2.0200e-003	5.3000e-004	5.0000e-005	5.7000e-004	0.0000	2.6306	2.6306	1.4000e-004	0.0000	2.6340

3.24 Trenching DU-Phase 4 - 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	tons/yr										MT/yr					
Off-Road	0.0109	0.1077	0.0792	1.3000e-004		6.1000e-003	6.1000e-003		5.6100e-003	5.6100e-003	0.0000	11.8230	11.8230	3.6800e-003	0.0000	11.9150
Total	0.0109	0.1077	0.0792	1.3000e-004		6.1000e-003	6.1000e-003		5.6100e-003	5.6100e-003	0.0000	11.8230	11.8230	3.6800e-003	0.0000	11.9150

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3.24 Trenching DU-Phase 4 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.6000e-004	2.5000e-003	1.0000e-005	6.2000e-004	0.0000	6.2000e-004	1.6000e-004	0.0000	1.7000e-004	0.0000	0.5943	0.5943	2.0000e-005	0.0000	0.5948
Total	3.3000e-004	2.6000e-004	2.5000e-003	1.0000e-005	6.2000e-004	0.0000	6.2000e-004	1.6000e-004	0.0000	1.7000e-004	0.0000	0.5943	0.5943	2.0000e-005	0.0000	0.5948

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0109	0.1077	0.0792	1.3000e-004		6.1000e-003	6.1000e-003		5.6100e-003	5.6100e-003	0.0000	11.8230	11.8230	3.6800e-003	0.0000	11.9150
Total	0.0109	0.1077	0.0792	1.3000e-004		6.1000e-003	6.1000e-003		5.6100e-003	5.6100e-003	0.0000	11.8230	11.8230	3.6800e-003	0.0000	11.9150

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3.24 Trenching DU-Phase 4 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.6000e-004	2.5000e-003	1.0000e-005	6.2000e-004	0.0000	6.2000e-004	1.6000e-004	0.0000	1.7000e-004	0.0000	0.5943	0.5943	2.0000e-005	0.0000	0.5948
Total	3.3000e-004	2.6000e-004	2.5000e-003	1.0000e-005	6.2000e-004	0.0000	6.2000e-004	1.6000e-004	0.0000	1.7000e-004	0.0000	0.5943	0.5943	2.0000e-005	0.0000	0.5948

3.24 Trenching DU-Phase 4 - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.0900e-003	0.0690	0.0565	9.0000e-005		3.8000e-003	3.8000e-003		3.5000e-003	3.5000e-003	0.0000	8.4612	8.4612	2.6800e-003	0.0000	8.5281
Total	7.0900e-003	0.0690	0.0565	9.0000e-005		3.8000e-003	3.8000e-003		3.5000e-003	3.5000e-003	0.0000	8.4612	8.4612	2.6800e-003	0.0000	8.5281

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3.24 Trenching DU-Phase 4 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.7000e-004	1.6400e-003	0.0000	4.5000e-004	0.0000	4.5000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4192	0.4192	1.0000e-005	0.0000	0.4195
Total	2.2000e-004	1.7000e-004	1.6400e-003	0.0000	4.5000e-004	0.0000	4.5000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4192	0.4192	1.0000e-005	0.0000	0.4195

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.0900e-003	0.0690	0.0565	9.0000e-005		3.8000e-003	3.8000e-003		3.5000e-003	3.5000e-003	0.0000	8.4612	8.4612	2.6800e-003	0.0000	8.5281
Total	7.0900e-003	0.0690	0.0565	9.0000e-005		3.8000e-003	3.8000e-003		3.5000e-003	3.5000e-003	0.0000	8.4612	8.4612	2.6800e-003	0.0000	8.5281

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3.24 Trenching DU-Phase 4 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.7000e-004	1.6400e-003	0.0000	4.5000e-004	0.0000	4.5000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4192	0.4192	1.0000e-005	0.0000	0.4195
Total	2.2000e-004	1.7000e-004	1.6400e-003	0.0000	4.5000e-004	0.0000	4.5000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4192	0.4192	1.0000e-005	0.0000	0.4195

3.25 Surface Improvements-Phase 4 - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0536	0.6241	0.3740	7.5000e-004		0.0263	0.0263		0.0242	0.0242	0.0000	67.7032	67.7032	0.0214	0.0000	68.2388
Paving	0.0843					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1379	0.6241	0.3740	7.5000e-004		0.0263	0.0263		0.0242	0.0242	0.0000	67.7032	67.7032	0.0214	0.0000	68.2388

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3.25 Surface Improvements-Phase 4 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1000e-004	5.5200e-003	1.4800e-003	1.0000e-005	2.9000e-004	4.0000e-005	3.3000e-004	8.0000e-005	4.0000e-005	1.2000e-004	0.0000	1.1690	1.1690	9.0000e-005	0.0000	1.1713
Worker	1.0400e-003	8.0000e-004	7.7200e-003	2.0000e-005	2.1200e-003	2.0000e-005	2.1300e-003	5.6000e-004	1.0000e-005	5.8000e-004	0.0000	1.9760	1.9760	6.0000e-005	0.0000	1.9776
Total	1.2500e-003	6.3200e-003	9.2000e-003	3.0000e-005	2.4100e-003	6.0000e-005	2.4600e-003	6.4000e-004	5.0000e-005	7.0000e-004	0.0000	3.1450	3.1450	1.5000e-004	0.0000	3.1490

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0536	0.6241	0.3740	7.5000e-004		0.0263	0.0263		0.0242	0.0242	0.0000	67.7032	67.7032	0.0214	0.0000	68.2387
Paving	0.0843					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1379	0.6241	0.3740	7.5000e-004		0.0263	0.0263		0.0242	0.0242	0.0000	67.7032	67.7032	0.0214	0.0000	68.2387

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3.25 Surface Improvements-Phase 4 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1000e-004	5.5200e-003	1.4800e-003	1.0000e-005	2.9000e-004	4.0000e-005	3.3000e-004	8.0000e-005	4.0000e-005	1.2000e-004	0.0000	1.1690	1.1690	9.0000e-005	0.0000	1.1713
Worker	1.0400e-003	8.0000e-004	7.7200e-003	2.0000e-005	2.1200e-003	2.0000e-005	2.1300e-003	5.6000e-004	1.0000e-005	5.8000e-004	0.0000	1.9760	1.9760	6.0000e-005	0.0000	1.9776
Total	1.2500e-003	6.3200e-003	9.2000e-003	3.0000e-005	2.4100e-003	6.0000e-005	2.4600e-003	6.4000e-004	5.0000e-005	7.0000e-004	0.0000	3.1450	3.1450	1.5000e-004	0.0000	3.1490

3.26 Architectural Coating - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.7304					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0102	0.0704	0.0907	1.5000e-004		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003	0.0000	12.7663	12.7663	8.3000e-004	0.0000	12.7871
Total	3.7406	0.0704	0.0907	1.5000e-004		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003	0.0000	12.7663	12.7663	8.3000e-004	0.0000	12.7871

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3.26 Architectural Coating - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4400e-003	3.0500e-003	0.0313	1.0000e-004	0.0108	7.0000e-005	0.0109	2.8800e-003	7.0000e-005	2.9500e-003	0.0000	9.1104	9.1104	2.5000e-004	0.0000	9.1166
Total	4.4400e-003	3.0500e-003	0.0313	1.0000e-004	0.0108	7.0000e-005	0.0109	2.8800e-003	7.0000e-005	2.9500e-003	0.0000	9.1104	9.1104	2.5000e-004	0.0000	9.1166

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.7304					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0102	0.0704	0.0907	1.5000e-004		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003	0.0000	12.7663	12.7663	8.3000e-004	0.0000	12.7870
Total	3.7406	0.0704	0.0907	1.5000e-004		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003	0.0000	12.7663	12.7663	8.3000e-004	0.0000	12.7870

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3.26 Architectural Coating - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4400e-003	3.0500e-003	0.0313	1.0000e-004	0.0108	7.0000e-005	0.0109	2.8800e-003	7.0000e-005	2.9500e-003	0.0000	9.1104	9.1104	2.5000e-004	0.0000	9.1166
Total	4.4400e-003	3.0500e-003	0.0313	1.0000e-004	0.0108	7.0000e-005	0.0109	2.8800e-003	7.0000e-005	2.9500e-003	0.0000	9.1104	9.1104	2.5000e-004	0.0000	9.1166

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

Improve Pedestrian Network

Provide Traffic Calming Measures

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.0712	4.2465	12.6214	0.0451	4.1195	0.0351	4.1546	1.1031	0.0327	1.1357	0.0000	4,165.1764	4,165.1764	0.2115	0.0000	4,170.4638
Unmitigated	1.0940	4.3634	13.1261	0.0473	4.3363	0.0367	4.3730	1.1611	0.0342	1.1953	0.0000	4,370.1439	4,370.1439	0.2204	0.0000	4,375.6547

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Condo/Townhouse	600.00	585.60	499.80	1,666,437	1,583,115
General Office Building	0.00	0.00	0.00		
Health Club	20.00	12.68	16.24	31,819	30,228
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Quality Restaurant	300.00	314.70	240.66	348,286	330,871
Recreational Swimming Pool	0.00	0.00	0.00		
Single Family Housing	3,320.00	3,456.12	3004.60	9,406,479	8,936,155
Supermarket	40.00	69.48	65.12	54,370	51,651
Total	4,280.00	4,438.58	3,826.42	11,507,390	10,932,020

4.3 Trip Type Information

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	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Condo/Townhouse	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Quality Restaurant	9.50	7.30	7.30	12.00	69.00	19.00	38	18	44
Recreational Swimming Pool	9.50	7.30	7.30	33.00	48.00	19.00	52	39	9
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
Supermarket	9.50	7.30	7.30	6.50	74.50	19.00	34	30	36

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Condo/Townhouse	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
General Office Building	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Health Club	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Other Asphalt Surfaces	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Parking Lot	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Quality Restaurant	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Recreational Swimming Pool	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Single Family Housing	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Supermarket	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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Exceed Title 24

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	255.6800	255.6800	0.0102	2.0400e-003	256.5439
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	819.2094	819.2094	0.0327	6.5400e-003	821.9774
NaturalGas Mitigated	0.0430	0.3692	0.1717	2.3400e-003		0.0297	0.0297		0.0297	0.0297	0.0000	425.1344	425.1344	8.1500e-003	7.7900e-003	427.6607
NaturalGas Unmitigated	0.0611	0.5245	0.2403	3.3300e-003		0.0422	0.0422		0.0422	0.0422	0.0000	604.5519	604.5519	0.0116	0.0111	608.1445

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

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	1.0257e+006	5.5300e-003	0.0473	0.0201	3.0000e-004		3.8200e-003	3.8200e-003		3.8200e-003	3.8200e-003	0.0000	54.7353	54.7353	1.0500e-003	1.0000e-003	55.0606
General Office Building	271618	1.4600e-003	0.0133	0.0112	8.0000e-005		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003	0.0000	14.4946	14.4946	2.8000e-004	2.7000e-004	14.5807
Health Club	23180	1.2000e-004	1.1400e-003	9.5000e-004	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	1.2370	1.2370	2.0000e-005	2.0000e-005	1.2443
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	523680	2.8200e-003	0.0257	0.0216	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003	0.0000	27.9456	27.9456	5.4000e-004	5.1000e-004	28.1116
Recreational Swimming Pool	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
Single Family Housing	9.45953e+006	0.0510	0.4359	0.1855	2.7800e-003		0.0352	0.0352		0.0352	0.0352	0.0000	504.7964	504.7964	9.6800e-003	9.2500e-003	507.7961
Supermarket	25170	1.4000e-004	1.2300e-003	1.0400e-003	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	1.3432	1.3432	3.0000e-005	2.0000e-005	1.3512
Total		0.0611	0.5245	0.2403	3.3300e-003		0.0422	0.0422		0.0422	0.0422	0.0000	604.5519	604.5519	0.0116	0.0111	608.1445

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

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	742164	4.0000e-003	0.0342	0.0146	2.2000e-004		2.7600e-003	2.7600e-003		2.7600e-003	2.7600e-003	0.0000	39.6047	39.6047	7.6000e-004	7.3000e-004	39.8401
General Office Building	192826	1.0400e-003	9.4500e-003	7.9400e-003	6.0000e-005		7.2000e-004	7.2000e-004		7.2000e-004	7.2000e-004	0.0000	10.2899	10.2899	2.0000e-004	1.9000e-004	10.3511
Health Club	20004	1.1000e-004	9.8000e-004	8.2000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	1.0675	1.0675	2.0000e-005	2.0000e-005	1.0738
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	484053	2.6100e-003	0.0237	0.0199	1.4000e-004		1.8000e-003	1.8000e-003		1.8000e-003	1.8000e-003	0.0000	25.8309	25.8309	5.0000e-004	4.7000e-004	25.9844
Recreational Swimming Pool	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
Single Family Housing	6.50607e+006	0.0351	0.2998	0.1276	1.9100e-003		0.0242	0.0242		0.0242	0.0242	0.0000	347.1885	347.1885	6.6500e-003	6.3700e-003	349.2517
Supermarket	21602.5	1.2000e-004	1.0600e-003	8.9000e-004	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	1.1528	1.1528	2.0000e-005	2.0000e-005	1.1596
Total		0.0430	0.3692	0.1717	2.3500e-003		0.0297	0.0297		0.0297	0.0297	0.0000	425.1344	425.1344	8.1500e-003	7.8000e-003	427.6607

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5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	322081	73.1578	2.9200e-003	5.8000e-004	73.4050
General Office Building	184384	41.8812	1.6700e-003	3.3000e-004	42.0227
Health Club	16900	3.8387	1.5000e-004	3.0000e-005	3.8517
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	52800	11.9930	4.8000e-004	1.0000e-004	12.0336
Quality Restaurant	117870	26.7731	1.0700e-003	2.1000e-004	26.8636
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	2.87651e+006	653.3726	0.0261	5.2200e-003	655.5803
Supermarket	36070	8.1930	3.3000e-004	7.0000e-005	8.2207
Total		819.2094	0.0327	6.5400e-003	821.9774

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Annual

5.3 Energy by Land Use - Electricity**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	101195	22.9855	9.2000e-004	1.8000e-004	23.0632
General Office Building	51314.2	11.6556	4.7000e-004	9.0000e-005	11.6949
Health Club	5107.4	1.1601	5.0000e-005	1.0000e-005	1.1640
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	16885.4	3.8354	1.5000e-004	3.0000e-005	3.8483
Quality Restaurant	34665.3	7.8739	3.1000e-004	6.0000e-005	7.9005
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	905342	205.6401	8.2100e-003	1.6400e-003	206.3349
Supermarket	11136.2	2.5295	1.0000e-004	2.0000e-005	2.5380
Total		255.6800	0.0102	2.0300e-003	256.5439

6.0 Area Detail**6.1 Mitigation Measures Area**

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Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.0525	0.3002	3.0274	1.8600e-003		0.0377	0.0377		0.0377	0.0377	0.0000	313.5184	313.5184	0.0105	5.6600e-003	315.4679
Unmitigated	5.1131	0.3002	3.0274	1.8600e-003		0.0377	0.0377		0.0377	0.0377	0.0000	313.5184	313.5184	0.0105	5.6600e-003	315.4679

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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	tons/yr										MT/yr					
Architectural Coating	1.4337					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.5603					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0312	0.2666	0.1135	1.7000e-003		0.0216	0.0216		0.0216	0.0216	0.0000	308.7587	308.7587	5.9200e-003	5.6600e-003	310.5935
Landscaping	0.0880	0.0336	2.9140	1.5000e-004		0.0161	0.0161		0.0161	0.0161	0.0000	4.7597	4.7597	4.5900e-003	0.0000	4.8744
Total	5.1131	0.3002	3.0274	1.8500e-003		0.0377	0.0377		0.0377	0.0377	0.0000	313.5184	313.5184	0.0105	5.6600e-003	315.4679

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6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3730					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.5603					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0312	0.2666	0.1135	1.7000e-003		0.0216	0.0216		0.0216	0.0216	0.0000	308.7587	308.7587	5.9200e-003	5.6600e-003	310.5935
Landscaping	0.0880	0.0336	2.9140	1.5000e-004		0.0161	0.0161		0.0161	0.0161	0.0000	4.7597	4.7597	4.5900e-003	0.0000	4.8744
Total	4.0525	0.3002	3.0274	1.8500e-003		0.0377	0.0377		0.0377	0.0377	0.0000	313.5184	313.5184	0.0105	5.6600e-003	315.4679

7.0 Water Detail**7.1 Mitigation Measures Water**

Use Reclaimed Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	246.2221	0.7713	0.0199	271.4330
Unmitigated	312.2975	0.9643	0.0249	343.8265

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Annual

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 68.0455	171.7152	6.8600e-003	1.3700e-003	172.2954
Condo/Townhouse	3.90924 / 2.46452	19.0215	0.1281	3.1500e-003	23.1625
General Office Building	2.38163 / 1.45971	11.4831	0.0780	1.9200e-003	14.0056
Health Club	0.118286 / 0.0724981	0.5703	3.8800e-003	1.0000e-004	0.6956
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	0.910601 / 0.0581235	3.1288	0.0298	7.2000e-004	4.0889
Recreational Swimming Pool	0.147858 / 0.0906226	0.7129	4.8400e-003	1.2000e-004	0.8695
Single Family Housing	21.6311 / 13.637	105.2524	0.7088	0.0174	128.1657
Supermarket	0.123268 / 0.00381242	0.4133	4.0300e-003	1.0000e-004	0.5433
Total		312.2975	0.9643	0.0249	343.8265

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Annual

7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 53.3004	134.5056	5.3700e-003	1.0700e-003	134.9600
Condo/Townhouse	3.12739 / 1.93047	15.1134	0.1025	2.5200e-003	18.4258
General Office Building	1.90531 / 1.1434	9.1250	0.0624	1.5300e-003	11.1428
Health Club	0.094629 / 0.0567881	0.4532	3.1000e-003	8.0000e-005	0.5534
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	0.728481 / 0.0455285	2.5006	0.0238	5.8000e-004	3.2687
Recreational Swimming Pool	0.118286 / 0.0709852	0.5665	3.8800e-003	1.0000e-004	0.6918
Single Family Housing	17.3049 / 10.682	83.6274	0.5670	0.0139	101.9561
Supermarket	0.0986146 / 0.00298629	0.3305	3.2300e-003	8.0000e-005	0.4344
Total		246.2221	0.7713	0.0199	271.4330

8.0 Waste Detail**8.1 Mitigation Measures Waste**

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Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	47.5506	2.8102	0.0000	117.8047
Unmitigated	95.1013	5.6203	0.0000	235.6094

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Annual

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	4.91	0.9967	0.0589	0.0000	2.4693
Condo/Townhouse	27.6	5.6026	0.3311	0.0000	13.8801
General Office Building	12.46	2.5293	0.1495	0.0000	6.2662
Health Club	11.4	2.3141	0.1368	0.0000	5.7331
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	2.74	0.5562	0.0329	0.0000	1.3780
Recreational Swimming Pool	14.25	2.8926	0.1710	0.0000	7.1664
Single Family Housing	389.5	79.0650	4.6726	0.0000	195.8801
Supermarket	5.64	1.1449	0.0677	0.0000	2.8364
Total		95.1013	5.6203	0.0000	235.6094

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Annual

8.2 Waste by Land Use**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	2.455	0.4983	0.0295	0.0000	1.2346
Condo/Townhouse	13.8	2.8013	0.1656	0.0000	6.9400
General Office Building	6.23	1.2646	0.0747	0.0000	3.1331
Health Club	5.7	1.1571	0.0684	0.0000	2.8665
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	1.37	0.2781	0.0164	0.0000	0.6890
Recreational Swimming Pool	7.125	1.4463	0.0855	0.0000	3.5832
Single Family Housing	194.75	39.5325	2.3363	0.0000	97.9401
Supermarket	2.82	0.5724	0.0338	0.0000	1.4182
Total		47.5506	2.8102	0.0000	117.8047

9.0 Operational Offroad

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

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

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	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	-262.9100	0.0000	0.0000	-262.9100

11.1 Vegetation Land Change**Vegetation Type**

	Initial/Final	Total CO2	CH4	N2O	CO2e
	Acres	MT			
Grassland	109 / 48	-262.9100	0.0000	0.0000	-262.9100
Total		-262.9100	0.0000	0.0000	-262.9100

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

Escondido Villages Specific Plan Project - Unmitigated

San Diego County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	13.40	1000sqft	0.31	13,400.00	0
Other Asphalt Surfaces	63.00	Acre	63.00	2,744,280.00	0
Parking Lot	150.00	Space	1.35	60,000.00	0
City Park	57.11	Acre	57.11	2,487,711.60	0
Health Club	2.00	1000sqft	0.05	2,000.00	0
Quality Restaurant	3.00	1000sqft	0.07	3,000.00	0
Recreational Swimming Pool	2.50	1000sqft	0.06	2,500.00	0
Condo/Townhouse	60.00	Dwelling Unit	4.40	96,000.00	172
Single Family Housing	332.00	Dwelling Unit	27.61	743,800.00	950
Supermarket	1.00	1000sqft	0.02	1,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2023
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	500.76	CH4 Intensity (lb/MWhr)	0.02	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Based on applicant provided project schedule. SDG&E GHG emission factors adjusted for RPS in 2023.

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

Land Use - Based on Escondido Villages Specific Plan Project.

Construction Phase - Based on ECC Phased schedule.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - PH 1 ECC AQ EquipmentList

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - PH 1 ECC AQ EquipmentList

Off-road Equipment - PH 1 ECC AQ EquipmentList

Off-road Equipment - PH 2 ECC AQ EquipmentList

Off-road Equipment - PH 3 ECC AQ EquipmentList

Off-road Equipment - PH 4 ECC AQ EquipmentList

Off-road Equipment - PH 2 ECC AQ EquipmentList

Off-road Equipment - PH 3 ECC AQ EquipmentList

Off-road Equipment - PH 4 ECC AQ EquipmentList

Off-road Equipment - Off-Site-ECC-AQ-EquipmentList

Off-road Equipment - Off-Site-ECC-AQ-EquipmentList

Off-road Equipment - Off-Site-ECC-AQ-EquipmentList

Off-road Equipment - PH 1 ECC AQ EquipmentList

Off-road Equipment - PH 2 ECC AQ EquipmentList

Off-road Equipment - PH 3 ECC AQ EquipmentList

Off-road Equipment - PH 4 ECC AQ EquipmentList

Off-road Equipment - PH 1 ECC AQ EquipmentList

Off-road Equipment - PH 2 ECC AQ EquipmentList

Off-road Equipment - PH 3 ECC AQ EquipmentList

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

Off-road Equipment - PH 4 ECC AQ EquipmentList
Off-road Equipment - PH 1 ECC AQ EquipmentList

Off-road Equipment - PH 2 ECC AQ EquipmentList

Off-road Equipment - PH 3 ECC AQ EquipmentList

Off-road Equipment - PH 4 ECC AQ EquipmentList

Trips and VMT - CalEEMod defaults.

On-road Fugitive Dust - CalEEMod defaults.

Demolition - Based on square footage of existing golf course clubhouse and amenities.

Grading - PH 2 ECC AQ Equipmentlist, PH 3 ECC AQ EquipmentList, PH 4 ECC AQ EquipmentList

Architectural Coating - In accordance with SDAPCD Rule 67.0.1 and use of low-VOC coatings.

Vehicle Trips - Based on traffic impact assessment.

Vehicle Emission Factors - CalEEMod defaults.

Vehicle Emission Factors - CalEEMod defaults.

Vehicle Emission Factors - CalEEMod defaults.

Road Dust - CalEEMod defaults.

Woodstoves - Based on Escondido Village Specific Plan. No wood burning stoves or fireplaces will be installed.

Consumer Products - CalEEMod defaults.

Area Coating - CalEEMod defaults.

Landscape Equipment - CalEEMod defaults.

Energy Use - CalEEMod defaults.

Water And Wastewater - CalEEMod defaults.

Solid Waste - CalEEMod defaults.

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Land Use Change - Based on conversion of the existing golf course and open space/parks planned.

Construction Off-road Equipment Mitigation - Dust suppression in accordance with SDAPCD Rule 55.

Mobile Land Use Mitigation - 75% of the project streets and intersections have traffic calming measures per the SAP. The trail system connects project site with off-site amenities.

Mobile Commute Mitigation -

Area Mitigation - Only natural gas hearths will be installed. VOC content for architectural coatings in accordance with SDAPCD Rule 67.0.1.

Energy Mitigation - All residential electricity use will be offset by solar PV. The project will exceed the 2016 Title 24 standards by 15%.

Water Mitigation - Project will utilize recycled water for landscaping and park irrigation and low-flow fixtures.

Waste Mitigation - 50% solid waste diversion assumed in accordance with AB 939.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	250	100
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	250	100
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	100
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	50
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

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tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	NumberGas	33.00	60.00
tblFireplaces	NumberGas	182.60	332.00
tblFireplaces	NumberNoFireplace	6.00	0.00
tblFireplaces	NumberNoFireplace	33.20	0.00
tblFireplaces	NumberWood	21.00	0.00
tblFireplaces	NumberWood	116.20	0.00
tblFleetMix	FleetMixLandUseSubType	General Office Building	City Park
tblFleetMix	FleetMixLandUseSubType	Other Asphalt Surfaces	Condo/Townhouse
tblFleetMix	FleetMixLandUseSubType	Parking Lot	General Office Building
tblFleetMix	FleetMixLandUseSubType	City Park	Health Club
tblFleetMix	FleetMixLandUseSubType	Health Club	Other Asphalt Surfaces
tblFleetMix	FleetMixLandUseSubType	Quality Restaurant	Parking Lot

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tblFleetMix	FleetMixLandUseSubType	Recreational Swimming Pool	Quality Restaurant
tblFleetMix	FleetMixLandUseSubType	Condo/Townhouse	Recreational Swimming Pool
tblGrading	MaterialImported	0.00	28,500.00
tblGrading	MaterialImported	0.00	81,000.00
tblGrading	MaterialImported	0.00	70,500.00
tblLandUse	BuildingSpaceSquareFeet	60,000.00	96,000.00
tblLandUse	BuildingSpaceSquareFeet	597,600.00	743,800.00
tblLandUse	LandUseSquareFeet	60,000.00	96,000.00
tblLandUse	LandUseSquareFeet	597,600.00	743,800.00
tblLandUse	LotAcreage	3.75	4.40
tblLandUse	LotAcreage	107.79	27.61
tblOffRoadEquipment	HorsePower	187.00	179.00
tblOffRoadEquipment	HorsePower	187.00	179.00
tblOffRoadEquipment	HorsePower	187.00	179.00
tblOffRoadEquipment	HorsePower	187.00	179.00
tblOffRoadEquipment	HorsePower	130.00	121.00
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tblOffRoadEquipment	HorsePower	132.00	173.00
tblOffRoadEquipment	HorsePower	132.00	173.00
tblOffRoadEquipment	HorsePower	132.00	173.00
tblOffRoadEquipment	HorsePower	80.00	100.00

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tbloffRoadEquipment	HorsePower	80.00	110.00
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tbloffRoadEquipment	HorsePower	80.00	100.00
tbloffRoadEquipment	HorsePower	80.00	100.00
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tbloffRoadEquipment	HorsePower	367.00	600.00
tbloffRoadEquipment	HorsePower	367.00	600.00
tbloffRoadEquipment	HorsePower	212.00	328.00
tbloffRoadEquipment	HorsePower	158.00	138.00
tbloffRoadEquipment	HorsePower	158.00	239.00
tbloffRoadEquipment	HorsePower	158.00	138.00
tbloffRoadEquipment	HorsePower	158.00	239.00
tbloffRoadEquipment	HorsePower	158.00	239.00
tbloffRoadEquipment	HorsePower	158.00	138.00
tbloffRoadEquipment	HorsePower	158.00	239.00
tbloffRoadEquipment	HorsePower	187.00	179.00
tbloffRoadEquipment	HorsePower	187.00	240.00
tbloffRoadEquipment	HorsePower	187.00	179.00

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

[illegible]

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tblOffRoadEquipment	HorsePower	402.00	200.00
tblOffRoadEquipment	HorsePower	402.00	300.00
tblOffRoadEquipment	HorsePower	402.00	200.00
tblOffRoadEquipment	HorsePower	402.00	200.00
tblOffRoadEquipment	HorsePower	402.00	200.00
tblOffRoadEquipment	HorsePower	402.00	775.00
tblOffRoadEquipment	HorsePower	172.00	222.00
tblOffRoadEquipment	HorsePower	172.00	148.00
tblOffRoadEquipment	HorsePower	203.00	89.00
tblOffRoadEquipment	HorsePower	203.00	160.00
tblOffRoadEquipment	HorsePower	203.00	89.00
tblOffRoadEquipment	HorsePower	203.00	311.00
tblOffRoadEquipment	HorsePower	203.00	311.00
tblOffRoadEquipment	HorsePower	203.00	164.00
tblOffRoadEquipment	HorsePower	203.00	311.00
tblOffRoadEquipment	HorsePower	203.00	164.00
tblOffRoadEquipment	HorsePower	203.00	89.00
tblOffRoadEquipment	HorsePower	203.00	89.00
tblOffRoadEquipment	HorsePower	203.00	89.00
tblOffRoadEquipment	HorsePower	203.00	311.00
tblOffRoadEquipment	HorsePower	203.00	164.00
tblOffRoadEquipment	HorsePower	203.00	164.00
tblOffRoadEquipment	HorsePower	203.00	89.00
tblOffRoadEquipment	HorsePower	203.00	89.00
tblOffRoadEquipment	HorsePower	203.00	164.00
tblOffRoadEquipment	HorsePower	203.00	89.00
tblOffRoadEquipment	HorsePower	203.00	164.00

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tblOffRoadEquipment	HorsePower	203.00	89.00
tblOffRoadEquipment	HorsePower	203.00	311.00
tblOffRoadEquipment	HorsePower	203.00	160.00
tblOffRoadEquipment	HorsePower	203.00	89.00
tblOffRoadEquipment	HorsePower	203.00	311.00
tblOffRoadEquipment	HorsePower	203.00	164.00
tblOffRoadEquipment	HorsePower	203.00	164.00
tblOffRoadEquipment	HorsePower	203.00	89.00
tblOffRoadEquipment	HorsePower	203.00	311.00
tblOffRoadEquipment	HorsePower	367.00	407.00
tblOffRoadEquipment	HorsePower	367.00	407.00
tblOffRoadEquipment	HorsePower	367.00	407.00
tblOffRoadEquipment	HorsePower	367.00	407.00
tblOffRoadEquipment	HorsePower	97.00	108.00
tblOffRoadEquipment	HorsePower	97.00	108.00
tblOffRoadEquipment	HorsePower	97.00	108.00
tblOffRoadEquipment	HorsePower	97.00	108.00
tblOffRoadEquipment	LoadFactor	0.43	0.40
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.02

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tblProjectCharacteristics	CO2IntensityFactor	720.49	500.76
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblProjectCharacteristics	OperationalYear	2018	2023
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	913.00	54.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripNumber	18.00	34.00
tblTripsAndVMT	WorkerTripNumber	20.00	26.00
tblTripsAndVMT	WorkerTripNumber	45.00	56.00
tblTripsAndVMT	WorkerTripNumber	8.00	18.00
tblTripsAndVMT	WorkerTripNumber	13.00	14.00
tblTripsAndVMT	WorkerTripNumber	10.00	20.00
tblTripsAndVMT	WorkerTripNumber	25.00	26.00
tblTripsAndVMT	WorkerTripNumber	2,393.00	182.00
tblTripsAndVMT	WorkerTripNumber	20.00	30.00
tblTripsAndVMT	WorkerTripNumber	23.00	24.00
tblTripsAndVMT	WorkerTripNumber	45.00	56.00
tblTripsAndVMT	WorkerTripNumber	13.00	14.00
tblTripsAndVMT	WorkerTripNumber	25.00	26.00
tblTripsAndVMT	WorkerTripNumber	23.00	24.00
tblTripsAndVMT	WorkerTripNumber	13.00	14.00
tblTripsAndVMT	WorkerTripNumber	23.00	24.00
tblTripsAndVMT	WorkerTripNumber	479.00	36.00
tblTripsAndVMT	WorkerTripNumber	25.00	26.00
tblTripsAndVMT	WorkerTripNumber	45.00	56.00

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

tblTripsAndVMT	WorkerTripNumber	20.00	26.00
tblTripsAndVMT	WorkerTripNumber	8.00	18.00
tblTripsAndVMT	WorkerTripNumber	13.00	14.00
tblTripsAndVMT	WorkerTripNumber	25.00	26.00
tblTripsAndVMT	WorkerTripNumber	45.00	56.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	5.67	9.76
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	20.87	6.34
tblVehicleTrips	ST_TR	94.36	104.90
tblVehicleTrips	ST_TR	9.10	0.00
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	ST_TR	177.59	69.48
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	4.84	8.33
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	26.73	8.12
tblVehicleTrips	SU_TR	72.16	80.22
tblVehicleTrips	SU_TR	13.60	0.00
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	SU_TR	166.44	65.12
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	5.81	10.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	32.93	10.00
tblVehicleTrips	WD_TR	89.95	100.00
tblVehicleTrips	WD_TR	33.82	0.00

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

tblVehicleTrips	WD_TR	9.52	10.00
tblVehicleTrips	WD_TR	102.24	40.00
tblWoodstoves	NumberCatalytic	3.00	0.00
tblWoodstoves	NumberCatalytic	16.60	0.00
tblWoodstoves	NumberNoncatalytic	3.00	0.00
tblWoodstoves	NumberNoncatalytic	16.60	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

2.0 Emissions Summary

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

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	58.2178	695.8137	330.9296	0.8176	44.7102	24.5373	69.2475	15.7050	22.5744	38.2793	0.0000	82,879.14 10	82,879.14 10	25.2000	0.0000	83,396.41 30
2019	17.9516	104.4786	75.1017	0.1561	2.1999	4.7808	6.9807	0.5924	4.4262	5.0186	0.0000	15,525.90 82	15,525.90 82	3.7684	0.0000	15,620.117 9
2020	3.1247	27.1883	24.6780	0.0590	1.8607	1.2350	3.0957	0.5018	1.1600	1.6618	0.0000	5,857.316 0	5,857.316 0	0.8449	0.0000	5,878.437 5
2021	2.8156	24.6570	23.8993	0.0583	1.8607	1.0470	2.9077	0.5018	0.9830	1.4848	0.0000	5,791.626 7	5,791.626 7	0.8298	0.0000	5,812.372 1
2022	102.4296	24.2883	26.5612	0.0644	2.1564	0.9955	3.1519	0.5802	0.9418	1.5221	0.0000	6,381.270 7	6,381.270 7	0.8509	0.0000	6,402.543 9
Maximum	102.4296	695.8137	330.9296	0.8176	44.7102	24.5373	69.2475	15.7050	22.5744	38.2793	0.0000	82,879.14 10	82,879.14 10	25.2000	0.0000	83,396.41 30

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

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	58.2178	695.8137	330.9296	0.8176	18.3720	24.5373	42.9093	6.3707	22.5744	28.9450	0.0000	82,879.1409	82,879.1409	25.2000	0.0000	83,396.4130
2019	17.9516	104.4786	75.1017	0.1561	2.1999	4.7808	6.9807	0.5924	4.4262	5.0186	0.0000	15,525.9082	15,525.9082	3.7684	0.0000	15,620.1179
2020	3.1247	27.1883	24.6780	0.0590	1.8607	1.2350	3.0957	0.5018	1.1600	1.6618	0.0000	5,857.3160	5,857.3160	0.8449	0.0000	5,878.4375
2021	2.8156	24.6570	23.8993	0.0583	1.8607	1.0470	2.9077	0.5018	0.9830	1.4848	0.0000	5,791.6267	5,791.6267	0.8298	0.0000	5,812.3721
2022	102.4296	24.2883	26.5612	0.0644	2.1564	0.9955	3.1519	0.5802	0.9418	1.5221	0.0000	6,381.2707	6,381.2707	0.8509	0.0000	6,402.5439
Maximum	102.4296	695.8137	330.9296	0.8176	18.3720	24.5373	42.9093	6.3707	22.5744	28.9450	0.0000	82,879.1409	82,879.1409	25.2000	0.0000	83,396.4130

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	49.89	0.00	30.85	52.20	0.00	19.46	0.00	0.00	0.00	0.00	0.00	0.00

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	29.1023	6.8757	35.1446	0.0432		0.7049	0.7049		0.7049	0.7049	0.0000	8,359.472 9	8,359.472 9	0.2153	0.1522	8,410.206 8
Energy	0.3347	2.8740	1.3169	0.0183		0.2313	0.2313		0.2313	0.2313		3,651.5311	3,651.5311	0.0700	0.0669	3,673.230 3
Mobile	6.6879	24.4305	78.0067	0.2848	25.5878	0.2112	25.7990	6.8382	0.1967	7.0349		28,987.651 1	28,987.651 1	1.4106		29,022.91 55
Total	36.1249	34.1802	114.4681	0.3463	25.5878	1.1474	26.7351	6.8382	1.1328	7.9710	0.0000	40,998.65 51	40,998.65 51	1.6958	0.2191	41,106.35 26

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	23.2906	6.8757	35.1446	0.0432		0.7049	0.7049		0.7049	0.7049	0.0000	8,359.472 9	8,359.472 9	0.2153	0.1522	8,410.206 8
Energy	0.2354	2.0231	0.9409	0.0128		0.1626	0.1626		0.1626	0.1626		2,567.837 9	2,567.837 9	0.0492	0.0471	2,583.097 3
Mobile	6.5540	23.7964	74.8467	0.2715	24.3084	0.2019	24.5102	6.4963	0.1880	6.6843		27,627.98 15	27,627.98 15	1.3523		27,661.79 00
Total	30.0800	32.6952	110.9322	0.3275	24.3084	1.0694	25.3778	6.4963	1.0555	7.5518	0.0000	38,555.29 23	38,555.29 23	1.6168	0.1993	38,655.09 40

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	16.73	4.34	3.09	5.43	5.00	6.80	5.08	5.00	6.83	5.26	0.00	5.96	5.96	4.66	9.06	5.96

3.0 Construction Detail

Construction Phase

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition-Phase 1	Demolition	1/2/2018	3/5/2018	5	45	
2	Grading-Phase 1	Grading	3/6/2018	5/24/2018	5	58	
3	Trenching WU-Phase 1	Trenching	4/2/2018	7/25/2018	5	83	
4	Grading-Phase 2	Grading	5/14/2018	7/6/2018	5	40	
5	Paving-Country Club & El Norte	Paving	5/21/2018	7/18/2018	5	43	
6	Import-Phase 2	Site Preparation	6/11/2018	8/14/2018	5	47	
7	Trenching DU-Phase 1	Trenching	6/25/2018	8/13/2018	5	36	
8	Trenching WU-Phase 2	Trenching	6/25/2018	9/11/2018	5	57	
9	Grading-Phase 3	Grading	7/9/2018	8/10/2018	5	25	
10	Surface Improvements-Phase 1	Paving	7/16/2018	9/11/2018	5	42	
11	Paving-Country Club & Nutmeg	Paving	7/19/2018	9/10/2018	5	38	
12	Grading-Phase 4	Grading	8/13/2018	9/24/2018	5	31	
13	Import-Phase 3	Site Preparation	8/15/2018	9/10/2018	5	19	
14	Trenching DU-Phase 2	Trenching	8/27/2018	9/28/2018	5	25	
15	Import-Phase 4	Site Preparation	9/11/2018	11/23/2018	5	54	
16	Trenching WU-Phase 3	Trenching	9/12/2018	10/30/2018	5	35	
17	Building Construction	Building Construction	9/12/2018	12/13/2022	5	1110	
18	Paving-El Norte & Nutmeg	Paving	9/12/2018	11/5/2018	5	39	
19	Surface Improvements-Phase 2	Paving	9/17/2018	10/24/2018	5	28	
20	Trenching DU-Phase 3	Trenching	10/22/2018	11/9/2018	5	15	
21	Trenching WU-Phase 4	Trenching	10/29/2018	12/27/2018	5	44	
22	Surface Improvements-Phase 3	Paving	11/1/2018	11/26/2018	5	18	
23	Trenching DU-Phase 4	Trenching	12/17/2018	1/10/2019	5	19	
24	Surface Improvements-Phase 4	Paving	1/2/2019	1/31/2019	5	22	
25	Architectural Coating	Architectural Coating	8/31/2022	12/13/2022	5	75	

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 0****Acres of Paving: 64.35****Residential Indoor: 1,700,595; Residential Outdoor: 566,865; Non-Residential Indoor: 29,100; Non-Residential Outdoor: 9,700; Striped Parking Area: 168,257 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition-Phase 1	Crawler Tractors	1	8.00	328	0.40
Demolition-Phase 1	Off-Highway Trucks	1	8.00	200	0.38
Demolition-Phase 1	Other Construction Equipment	5	8.00	222	0.42
Grading-Phase 1	Graders	2	8.00	179	0.41
Grading-Phase 1	Off-Highway Trucks	1	8.00	200	0.38
Grading-Phase 1	Off-Highway Trucks	4	8.00	775	0.38
Grading-Phase 1	Rubber Tired Dozers	2	8.00	312	0.40
Grading-Phase 1	Rubber Tired Loaders	1	8.00	311	0.36
Grading-Phase 1	Scrapers	8	8.00	600	0.48
Trenching WU-Phase 1	Excavators	2	8.00	239	0.38
Trenching WU-Phase 1	Off-Highway Trucks	4	8.00	200	0.38
Trenching WU-Phase 1	Rubber Tired Loaders	2	8.00	164	0.36
Trenching WU-Phase 1	Rubber Tired Loaders	2	8.00	89	0.36
Grading-Phase 2	Graders	2	8.00	179	0.41
Grading-Phase 2	Off-Highway Trucks	1	8.00	200	0.38
Grading-Phase 2	Off-Highway Trucks	4	8.00	775	0.38
Grading-Phase 2	Rubber Tired Dozers	2	8.00	312	0.40
Grading-Phase 2	Rubber Tired Loaders	1	8.00	311	0.36
Grading-Phase 2	Scrapers	8	8.00	600	0.48

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

Paving-Country Club & El Norte	Excavators	1	8.00	138	0.38
Paving-Country Club & El Norte	Graders	1	8.00	240	0.41
Paving-Country Club & El Norte	Off-Highway Trucks	1	8.00	200	0.38
Paving-Country Club & El Norte	Off-Highway Trucks	1	8.00	300	0.38
Paving-Country Club & El Norte	Pavers	1	8.00	173	0.42
Paving-Country Club & El Norte	Rollers	1	8.00	110	0.38
Paving-Country Club & El Norte	Rubber Tired Loaders	1	8.00	160	0.36
Paving-Country Club & El Norte	Rubber Tired Loaders	1	8.00	89	0.36
Import-Phase 2	Graders	1	8.00	179	0.41
Import-Phase 2	Rubber Tired Dozers	1	8.00	496	0.40
Import-Phase 2	Rubber Tired Loaders	1	8.00	311	0.36
Trenching DU-Phase 1	Off-Highway Trucks	1	8.00	200	0.38
Trenching DU-Phase 1	Rubber Tired Loaders	2	8.00	164	0.36
Trenching DU-Phase 1	Tractors/Loaders/Backhoes	2	8.00	108	0.37
Trenching WU-Phase 2	Excavators	2	8.00	239	0.38
Trenching WU-Phase 2	Off-Highway Trucks	4	8.00	200	0.38
Trenching WU-Phase 2	Rubber Tired Loaders	2	8.00	164	0.36
Trenching WU-Phase 2	Rubber Tired Loaders	2	8.00	89	0.36
Grading-Phase 3	Graders	2	8.00	179	0.41
Grading-Phase 3	Off-Highway Trucks	1	8.00	200	0.38
Grading-Phase 3	Off-Highway Trucks	4	8.00	775	0.38
Grading-Phase 3	Rubber Tired Dozers	2	8.00	312	0.40
Grading-Phase 3	Rubber Tired Loaders	1	8.00	311	0.36
Grading-Phase 3	Scrapers	8	8.00	600	0.48
Surface Improvements-Phase 1	Graders	2	8.00	179	0.41
Surface Improvements-Phase 1	Pavers	1	8.00	121	0.42
Surface Improvements-Phase 1	Paving Equipment	1	8.00	173	0.36

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

Surface Improvements-Phase 1	Rollers	1	8.00	100	0.38
Surface Improvements-Phase 1	Rubber Tired Loaders	1	8.00	89	0.36
Surface Improvements-Phase 1	Scrapers	2	8.00	407	0.48
Paving-Country Club & Nutmeg	Excavators	1	8.00	138	0.38
Paving-Country Club & Nutmeg	Graders	1	8.00	240	0.41
Paving-Country Club & Nutmeg	Off-Highway Trucks	1	8.00	200	0.38
Paving-Country Club & Nutmeg	Off-Highway Trucks	1	8.00	300	0.38
Paving-Country Club & Nutmeg	Pavers	1	8.00	173	0.42
Paving-Country Club & Nutmeg	Rollers	1	8.00	110	0.38
Paving-Country Club & Nutmeg	Rubber Tired Loaders	1	8.00	160	0.36
Paving-Country Club & Nutmeg	Rubber Tired Loaders	1	8.00	89	0.36
Grading-Phase 4	Graders	2	8.00	179	0.41
Grading-Phase 4	Off-Highway Trucks	1	8.00	200	0.38
Grading-Phase 4	Off-Highway Trucks	4	8.00	775	0.38
Grading-Phase 4	Rubber Tired Dozers	2	8.00	312	0.40
Grading-Phase 4	Rubber Tired Loaders	1	8.00	311	0.36
Grading-Phase 4	Scrapers	8	8.00	600	0.48
Import-Phase 3	Graders	1	8.00	179	0.41
Import-Phase 3	Rubber Tired Dozers	1	8.00	496	0.40
Import-Phase 3	Rubber Tired Loaders	1	8.00	311	0.36
Trenching DU-Phase 2	Off-Highway Trucks	1	8.00	200	0.38
Trenching DU-Phase 2	Rubber Tired Loaders	2	8.00	164	0.36
Trenching DU-Phase 2	Tractors/Loaders/Backhoes	2	8.00	108	0.37
Import-Phase 4	Graders	1	8.00	179	0.41
Import-Phase 4	Off-Highway Trucks	1	8.00	200	0.38
Import-Phase 4	Rubber Tired Dozers	1	8.00	496	0.40
Import-Phase 4	Rubber Tired Loaders	1	8.00	311	0.36

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Trenching WU-Phase 3	Excavators	2	8.00	239	0.38
Trenching WU-Phase 3	Off-Highway Trucks	4	8.00	200	0.38
Trenching WU-Phase 3	Rubber Tired Loaders	2	8.00	164	0.36
Trenching WU-Phase 3	Rubber Tired Loaders	2	8.00	89	0.36
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving-El Norte & Nutmeg	Excavators	1	8.00	138	0.38
Paving-El Norte & Nutmeg	Off-Highway Trucks	1	8.00	200	0.38
Paving-El Norte & Nutmeg	Off-Highway Trucks	1	8.00	300	0.38
Paving-El Norte & Nutmeg	Other Construction Equipment	3	8.00	148	0.42
Paving-El Norte & Nutmeg	Pavers	1	8.00	173	0.42
Paving-El Norte & Nutmeg	Rubber Tired Loaders	1	8.00	89	0.36
Surface Improvements-Phase 2	Graders	2	8.00	179	0.41
Surface Improvements-Phase 2	Off-Highway Trucks	1	8.00	200	0.38
Surface Improvements-Phase 2	Pavers	1	8.00	121	0.42
Surface Improvements-Phase 2	Paving Equipment	1	8.00	173	0.36
Surface Improvements-Phase 2	Rollers	1	8.00	100	0.38
Surface Improvements-Phase 2	Rubber Tired Loaders	1	8.00	89	0.36
Surface Improvements-Phase 2	Scrapers	2	8.00	407	0.48
Trenching DU-Phase 3	Off-Highway Trucks	1	8.00	200	0.38
Trenching DU-Phase 3	Rubber Tired Loaders	2	8.00	164	0.36
Trenching DU-Phase 3	Tractors/Loaders/Backhoes	2	8.00	108	0.37
Trenching WU-Phase 4	Excavators	2	8.00	239	0.38
Trenching WU-Phase 4	Off-Highway Trucks	4	8.00	200	0.38

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Trenching WU-Phase 4	Rubber Tired Loaders	2	8.00	164	0.36
Trenching WU-Phase 4	Rubber Tired Loaders	2	8.00	89	0.36
Surface Improvements-Phase 3	Graders	2	8.00	179	0.41
Surface Improvements-Phase 3	Off-Highway Trucks	1	8.00	200	0.38
Surface Improvements-Phase 3	Pavers	1	8.00	121	0.42
Surface Improvements-Phase 3	Paving Equipment	1	8.00	173	0.36
Surface Improvements-Phase 3	Rollers	1	8.00	100	0.38
Surface Improvements-Phase 3	Rubber Tired Loaders	1	8.00	89	0.36
Surface Improvements-Phase 3	Scrapers	2	8.00	407	0.48
Trenching DU-Phase 4	Off-Highway Trucks	1	8.00	200	0.38
Trenching DU-Phase 4	Rubber Tired Loaders	2	8.00	164	0.36
Trenching DU-Phase 4	Tractors/Loaders/Backhoes	2	8.00	108	0.37
Surface Improvements-Phase 4	Graders	2	8.00	179	0.41
Surface Improvements-Phase 4	Off-Highway Trucks	1	8.00	200	0.38
Surface Improvements-Phase 4	Pavers	1	8.00	121	0.42
Surface Improvements-Phase 4	Paving Equipment	1	8.00	173	0.36
Surface Improvements-Phase 4	Rollers	1	8.00	100	0.38
Surface Improvements-Phase 4	Rubber Tired Loaders	1	8.00	89	0.36
Surface Improvements-Phase 4	Scrapers	2	8.00	407	0.48
Architectural Coating	Air Compressors	1	8.00	78	0.48

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition-Phase 1	7	34.00	0.00	252.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading-Phase 1	18	56.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching WU-Phase 1	10	26.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading-Phase 2	18	56.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving-Country Club & El Norte	8	26.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Import-Phase 2	3	18.00	0.00	8,813.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching DU-Phase 1	5	14.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching WU-Phase 2	10	26.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading-Phase 3	18	56.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Surface Improvements-Phase 1	8	20.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving-Country Club & Nutmeg	8	26.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading-Phase 4	18	56.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Import-Phase 3	3	18.00	0.00	3,563.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching DU-Phase 2	5	14.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Import-Phase 4	4	20.00	0.00	10,125.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching WU-Phase 3	10	26.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	182.00	54.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving-El Norte & Nutmeg	8	30.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Surface Improvements-Phase 2	9	24.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching DU-Phase 3	5	14.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching WU-Phase 4	10	26.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Surface Improvements-Phase 3	9	24.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching DU-Phase 4	5	14.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Surface Improvements-Phase 4	9	24.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	36.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

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3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Clean Paved Roads

3.2 Demolition-Phase 1 - 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					1.2247	0.0000	1.2247	0.1855	0.0000	0.1855			0.0000			0.0000
Off-Road	1.2526	14.7449	7.5809	0.0178		0.5814	0.5814		0.5349	0.5349		1,795.6007	1,795.6007	0.5590		1,809.5755
Total	1.2526	14.7449	7.5809	0.0178	1.2247	0.5814	1.8061	0.1855	0.5349	0.7204		1,795.6007	1,795.6007	0.5590		1,809.5755

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3.2 Demolition-Phase 1 - 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	0.0513	1.7812	0.3674	4.5000e-003	0.0979	7.0100e-003	0.1049	0.0268	6.7000e-003	0.0335		489.8625	489.8625	0.0432		490.9421
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	0.1447	0.1042	1.1639	3.0600e-003	0.2793	2.0100e-003	0.2813	0.0741	1.8500e-003	0.0759		305.0564	305.0564	0.0104		305.3173
Total	0.1960	1.8854	1.5313	7.5600e-003	0.3772	9.0200e-003	0.3862	0.1009	8.5500e-003	0.1095		794.9189	794.9189	0.0536		796.2594

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4776	0.0000	0.4776	0.0723	0.0000	0.0723			0.0000			0.0000
Off-Road	1.2526	14.7449	7.5809	0.0178		0.5814	0.5814		0.5349	0.5349	0.0000	1,795.6007	1,795.6007	0.5590		1,809.5755
Total	1.2526	14.7449	7.5809	0.0178	0.4776	0.5814	1.0590	0.0723	0.5349	0.6072	0.0000	1,795.6007	1,795.6007	0.5590		1,809.5755

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3.2 Demolition-Phase 1 - 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	0.0513	1.7812	0.3674	4.5000e-003	0.0979	7.0100e-003	0.1049	0.0268	6.7000e-003	0.0335		489.8625	489.8625	0.0432		490.9421
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	0.1447	0.1042	1.1639	3.0600e-003	0.2793	2.0100e-003	0.2813	0.0741	1.8500e-003	0.0759		305.0564	305.0564	0.0104		305.3173
Total	0.1960	1.8854	1.5313	7.5600e-003	0.3772	9.0200e-003	0.3862	0.1009	8.5500e-003	0.1095		794.9189	794.9189	0.0536		796.2594

3.3 Grading-Phase 1 - 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					21.5887	0.0000	21.5887	7.6510	0.0000	7.6510			0.0000			0.0000
Off-Road	22.8440	307.3859	139.4016	0.3494		10.3429	10.3429		9.5155	9.5155		35,155.5627	35,155.5627	10.9444		35,429.1728
Total	22.8440	307.3859	139.4016	0.3494	21.5887	10.3429	31.9316	7.6510	9.5155	17.1665		35,155.5627	35,155.5627	10.9444		35,429.1728

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3.3 Grading-Phase 1 - 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	0.2384	0.1717	1.9170	5.0500e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		502.4458	502.4458	0.0172		502.8756
Total	0.2384	0.1717	1.9170	5.0500e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		502.4458	502.4458	0.0172		502.8756

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					8.4196	0.0000	8.4196	2.9839	0.0000	2.9839			0.0000			0.0000
Off-Road	22.8440	307.3859	139.4016	0.3494		10.3429	10.3429		9.5155	9.5155	0.0000	35,155.5627	35,155.5627	10.9444		35,429.1728
Total	22.8440	307.3859	139.4016	0.3494	8.4196	10.3429	18.7625	2.9839	9.5155	12.4994	0.0000	35,155.5627	35,155.5627	10.9444		35,429.1728

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3.3 Grading-Phase 1 - 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	0.2384	0.1717	1.9170	5.0500e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		502.4458	502.4458	0.0172		502.8756
Total	0.2384	0.1717	1.9170	5.0500e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		502.4458	502.4458	0.0172		502.8756

3.4 Trenching WU-Phase 1 - 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	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631		5,751.6590	5,751.6590	1.7906		5,796.4233
Total	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631		5,751.6590	5,751.6590	1.7906		5,796.4233

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3.4 Trenching WU-Phase 1 - 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	0.1107	0.0797	0.8901	2.3400e-003	0.3992	1.5400e-003	0.4008	0.1022	1.4200e-003	0.1036		233.2784	233.2784	7.9800e-003		233.4779
Total	0.1107	0.0797	0.8901	2.3400e-003	0.3992	1.5400e-003	0.4008	0.1022	1.4200e-003	0.1036		233.2784	233.2784	7.9800e-003		233.4779

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	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631	0.0000	5,751.6590	5,751.6590	1.7906		5,796.4233
Total	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631	0.0000	5,751.6590	5,751.6590	1.7906		5,796.4233

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3.4 Trenching WU-Phase 1 - 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	0.1107	0.0797	0.8901	2.3400e-003	0.3992	1.5400e-003	0.4008	0.1022	1.4200e-003	0.1036		233.2784	233.2784	7.9800e-003		233.4779
Total	0.1107	0.0797	0.8901	2.3400e-003	0.3992	1.5400e-003	0.4008	0.1022	1.4200e-003	0.1036		233.2784	233.2784	7.9800e-003		233.4779

3.5 Grading-Phase 2 - 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					21.5887	0.0000	21.5887	7.6510	0.0000	7.6510			0.0000			0.0000
Off-Road	22.8440	307.3859	139.4016	0.3494		10.3429	10.3429		9.5155	9.5155		35,155.5627	35,155.5627	10.9444		35,429.1728
Total	22.8440	307.3859	139.4016	0.3494	21.5887	10.3429	31.9316	7.6510	9.5155	17.1665		35,155.5627	35,155.5627	10.9444		35,429.1728

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3.5 Grading-Phase 2 - 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	0.2384	0.1717	1.9170	5.0500e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		502.4458	502.4458	0.0172		502.8756
Total	0.2384	0.1717	1.9170	5.0500e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		502.4458	502.4458	0.0172		502.8756

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					8.4196	0.0000	8.4196	2.9839	0.0000	2.9839			0.0000			0.0000
Off-Road	22.8440	307.3859	139.4016	0.3494		10.3429	10.3429		9.5155	9.5155	0.0000	35,155.5627	35,155.5627	10.9444		35,429.1728
Total	22.8440	307.3859	139.4016	0.3494	8.4196	10.3429	18.7625	2.9839	9.5155	12.4994	0.0000	35,155.5627	35,155.5627	10.9444		35,429.1728

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3.5 Grading-Phase 2 - 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	0.2384	0.1717	1.9170	5.0500e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		502.4458	502.4458	0.0172		502.8756
Total	0.2384	0.1717	1.9170	5.0500e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		502.4458	502.4458	0.0172		502.8756

3.6 Paving-Country Club & El Norte - 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	3.5674	38.4490	22.8433	0.0469		1.8166	1.8166		1.6713	1.6713		4,722.8544	4,722.8544	1.4703		4,759.6116
Paving	3.9209					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	7.4883	38.4490	22.8433	0.0469		1.8166	1.8166		1.6713	1.6713		4,722.8544	4,722.8544	1.4703		4,759.6116

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

3.6 Paving-Country Club & El Norte - 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	0.1107	0.0797	0.8901	2.3400e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		233.2784	233.2784	7.9800e-003		233.4779
Total	0.1107	0.0797	0.8901	2.3400e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		233.2784	233.2784	7.9800e-003		233.4779

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	3.5674	38.4490	22.8433	0.0469		1.8166	1.8166		1.6713	1.6713	0.0000	4,722.8544	4,722.8544	1.4703		4,759.6116
Paving	3.9209					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	7.4883	38.4490	22.8433	0.0469		1.8166	1.8166		1.6713	1.6713	0.0000	4,722.8544	4,722.8544	1.4703		4,759.6116

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3.6 Paving-Country Club & El Norte - 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	0.1107	0.0797	0.8901	2.3400e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		233.2784	233.2784	7.9800e-003		233.4779
Total	0.1107	0.0797	0.8901	2.3400e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		233.2784	233.2784	7.9800e-003		233.4779

3.7 Import-Phase 2 - 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					6.7631	0.0000	6.7631	3.3994	0.0000	3.3994			0.0000			0.0000
Off-Road	3.2494	36.9313	22.9546	0.0332		1.5477	1.5477		1.4239	1.4239		3,341.3681	3,341.3681	1.0402		3,367.3734
Total	3.2494	36.9313	22.9546	0.0332	6.7631	1.5477	8.3109	3.3994	1.4239	4.8233		3,341.3681	3,341.3681	1.0402		3,367.3734

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

3.7 Import-Phase 2 - 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	1.7164	59.6421	12.3008	0.1508	3.2766	0.2346	3.5112	0.8980	0.2245	1.1224		16,402.5783	16,402.5783	1.4459		16,438.7257
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	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386
Total	1.7930	59.6973	12.9170	0.1525	3.4245	0.2357	3.6601	0.9372	0.2254	1.1626		16,564.0787	16,564.0787	1.4514		16,600.3643

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					2.6376	0.0000	2.6376	1.3258	0.0000	1.3258			0.0000			0.0000
Off-Road	3.2494	36.9313	22.9546	0.0332		1.5477	1.5477		1.4239	1.4239	0.0000	3,341.3681	3,341.3681	1.0402		3,367.3734
Total	3.2494	36.9313	22.9546	0.0332	2.6376	1.5477	4.1854	1.3258	1.4239	2.7497	0.0000	3,341.3681	3,341.3681	1.0402		3,367.3734

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

3.7 Import-Phase 2 - 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	1.7164	59.6421	12.3008	0.1508	3.2766	0.2346	3.5112	0.8980	0.2245	1.1224		16,402.5783	16,402.5783	1.4459		16,438.7257
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	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386
Total	1.7930	59.6973	12.9170	0.1525	3.4245	0.2357	3.6601	0.9372	0.2254	1.1626		16,564.0787	16,564.0787	1.4514		16,600.3643

3.8 Trenching DU-Phase 1 - 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	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201		2,369.5662	2,369.5662	0.7377		2,388.0082
Total	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201		2,369.5662	2,369.5662	0.7377		2,388.0082

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

3.8 Trenching DU-Phase 1 - 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	0.0596	0.0429	0.4793	1.2600e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		125.6114	125.6114	4.3000e-003		125.7189
Total	0.0596	0.0429	0.4793	1.2600e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		125.6114	125.6114	4.3000e-003		125.7189

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	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201	0.0000	2,369.5662	2,369.5662	0.7377		2,388.0082
Total	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201	0.0000	2,369.5662	2,369.5662	0.7377		2,388.0082

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

3.8 Trenching DU-Phase 1 - 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	0.0596	0.0429	0.4793	1.2600e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		125.6114	125.6114	4.3000e-003		125.7189
Total	0.0596	0.0429	0.4793	1.2600e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		125.6114	125.6114	4.3000e-003		125.7189

3.9 Trenching WU-Phase 2 - 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	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631		5,751.6590	5,751.6590	1.7906		5,796.4233
Total	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631		5,751.6590	5,751.6590	1.7906		5,796.4233

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3.9 Trenching WU-Phase 2 - 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	0.1107	0.0797	0.8901	2.3400e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		233.2784	233.2784	7.9800e-003		233.4779
Total	0.1107	0.0797	0.8901	2.3400e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		233.2784	233.2784	7.9800e-003		233.4779

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	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631	0.0000	5,751.6590	5,751.6590	1.7906		5,796.4233
Total	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631	0.0000	5,751.6590	5,751.6590	1.7906		5,796.4233

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3.9 Trenching WU-Phase 2 - 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	0.1107	0.0797	0.8901	2.3400e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		233.2784	233.2784	7.9800e-003		233.4779
Total	0.1107	0.0797	0.8901	2.3400e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		233.2784	233.2784	7.9800e-003		233.4779

3.10 Grading-Phase 3 - 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					21.5887	0.0000	21.5887	7.6510	0.0000	7.6510			0.0000			0.0000
Off-Road	22.8440	307.3859	139.4016	0.3494		10.3429	10.3429		9.5155	9.5155		35,155.5627	35,155.5627	10.9444		35,429.1728
Total	22.8440	307.3859	139.4016	0.3494	21.5887	10.3429	31.9316	7.6510	9.5155	17.1665		35,155.5627	35,155.5627	10.9444		35,429.1728

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3.10 Grading-Phase 3 - 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	0.2384	0.1717	1.9170	5.0500e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		502.4458	502.4458	0.0172		502.8756
Total	0.2384	0.1717	1.9170	5.0500e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		502.4458	502.4458	0.0172		502.8756

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					8.4196	0.0000	8.4196	2.9839	0.0000	2.9839			0.0000			0.0000
Off-Road	22.8440	307.3859	139.4016	0.3494		10.3429	10.3429		9.5155	9.5155	0.0000	35,155.5627	35,155.5627	10.9444		35,429.1728
Total	22.8440	307.3859	139.4016	0.3494	8.4196	10.3429	18.7625	2.9839	9.5155	12.4994	0.0000	35,155.5627	35,155.5627	10.9444		35,429.1728

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3.10 Grading-Phase 3 - 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	0.2384	0.1717	1.9170	5.0500e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		502.4458	502.4458	0.0172		502.8756
Total	0.2384	0.1717	1.9170	5.0500e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		502.4458	502.4458	0.0172		502.8756

3.11 Surface Improvements-Phase 1 - 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	4.8467	58.1728	33.9087	0.0621		2.4886	2.4886		2.2895	2.2895		6,245.7002	6,245.7002	1.9444		6,294.3095
Paving	4.0142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	8.8609	58.1728	33.9087	0.0621		2.4886	2.4886		2.2895	2.2895		6,245.7002	6,245.7002	1.9444		6,294.3095

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3.11 Surface Improvements-Phase 1 - 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	0.0206	0.5270	0.1396	1.1100e-003	0.0271	4.1200e-003	0.0312	7.8000e-003	3.9400e-003	0.0117		119.2760	119.2760	9.4500e-003		119.5123
Worker	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984
Total	0.1058	0.5883	0.8242	2.9100e-003	0.1914	5.3000e-003	0.1967	0.0514	5.0300e-003	0.0564		298.7209	298.7209	0.0156		299.1107

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	4.8467	58.1728	33.9087	0.0621		2.4886	2.4886		2.2895	2.2895	0.0000	6,245.7002	6,245.7002	1.9444		6,294.3095
Paving	4.0142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	8.8609	58.1728	33.9087	0.0621		2.4886	2.4886		2.2895	2.2895	0.0000	6,245.7002	6,245.7002	1.9444		6,294.3095

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3.11 Surface Improvements-Phase 1 - 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	0.0206	0.5270	0.1396	1.1100e-003	0.0271	4.1200e-003	0.0312	7.8000e-003	3.9400e-003	0.0117		119.2760	119.2760	9.4500e-003		119.5123
Worker	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984
Total	0.1058	0.5883	0.8242	2.9100e-003	0.1914	5.3000e-003	0.1967	0.0514	5.0300e-003	0.0564		298.7209	298.7209	0.0156		299.1107

3.12 Paving-Country Club & Nutmeg - 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	3.5674	38.4490	22.8433	0.0469		1.8166	1.8166		1.6713	1.6713		4,722.8544	4,722.8544	1.4703		4,759.6116
Paving	4.4368					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	8.0042	38.4490	22.8433	0.0469		1.8166	1.8166		1.6713	1.6713		4,722.8544	4,722.8544	1.4703		4,759.6116

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3.12 Paving-Country Club & Nutmeg - 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	0.1107	0.0797	0.8901	2.3400e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		233.2784	233.2784	7.9800e-003		233.4779
Total	0.1107	0.0797	0.8901	2.3400e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		233.2784	233.2784	7.9800e-003		233.4779

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	3.5674	38.4490	22.8433	0.0469		1.8166	1.8166		1.6713	1.6713	0.0000	4,722.8544	4,722.8544	1.4703		4,759.6116
Paving	4.4368					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	8.0042	38.4490	22.8433	0.0469		1.8166	1.8166		1.6713	1.6713	0.0000	4,722.8544	4,722.8544	1.4703		4,759.6116

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3.12 Paving-Country Club & Nutmeg - 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	0.1107	0.0797	0.8901	2.3400e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		233.2784	233.2784	7.9800e-003		233.4779
Total	0.1107	0.0797	0.8901	2.3400e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		233.2784	233.2784	7.9800e-003		233.4779

3.13 Grading-Phase 4 - 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					21.5887	0.0000	21.5887	7.6510	0.0000	7.6510			0.0000			0.0000
Off-Road	22.8440	307.3859	139.4016	0.3494		10.3429	10.3429		9.5155	9.5155		35,155.5627	35,155.5627	10.9444		35,429.1728
Total	22.8440	307.3859	139.4016	0.3494	21.5887	10.3429	31.9316	7.6510	9.5155	17.1665		35,155.5627	35,155.5627	10.9444		35,429.1728

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

3.13 Grading-Phase 4 - 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	0.2384	0.1717	1.9170	5.0500e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		502.4458	502.4458	0.0172		502.8756
Total	0.2384	0.1717	1.9170	5.0500e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		502.4458	502.4458	0.0172		502.8756

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					8.4196	0.0000	8.4196	2.9839	0.0000	2.9839			0.0000			0.0000
Off-Road	22.8440	307.3859	139.4016	0.3494		10.3429	10.3429		9.5155	9.5155	0.0000	35,155.5627	35,155.5627	10.9444		35,429.1728
Total	22.8440	307.3859	139.4016	0.3494	8.4196	10.3429	18.7625	2.9839	9.5155	12.4994	0.0000	35,155.5627	35,155.5627	10.9444		35,429.1728

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3.13 Grading-Phase 4 - 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	0.2384	0.1717	1.9170	5.0500e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		502.4458	502.4458	0.0172		502.8756
Total	0.2384	0.1717	1.9170	5.0500e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		502.4458	502.4458	0.0172		502.8756

3.14 Import-Phase 3 - 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					6.7631	0.0000	6.7631	3.3994	0.0000	3.3994			0.0000			0.0000
Off-Road	3.2494	36.9313	22.9546	0.0332		1.5477	1.5477		1.4239	1.4239		3,341.368 1	3,341.368 1	1.0402		3,367.373 4
Total	3.2494	36.9313	22.9546	0.0332	6.7631	1.5477	8.3109	3.3994	1.4239	4.8233		3,341.368 1	3,341.368 1	1.0402		3,367.373 4

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3.14 Import-Phase 3 - 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	1.7166	59.6471	12.3018	0.1508	3.2769	0.2346	3.5115	0.8981	0.2245	1.1225		16,403.9497	16,403.9497	1.4460		16,440.1001
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	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386
Total	1.7932	59.7023	12.9180	0.1525	3.4248	0.2357	3.6604	0.9373	0.2255	1.1627		16,565.4501	16,565.4501	1.4516		16,601.7387

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					2.6376	0.0000	2.6376	1.3258	0.0000	1.3258			0.0000			0.0000
Off-Road	3.2494	36.9313	22.9546	0.0332		1.5477	1.5477		1.4239	1.4239	0.0000	3,341.3681	3,341.3681	1.0402		3,367.3734
Total	3.2494	36.9313	22.9546	0.0332	2.6376	1.5477	4.1854	1.3258	1.4239	2.7497	0.0000	3,341.3681	3,341.3681	1.0402		3,367.3734

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3.14 Import-Phase 3 - 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	1.7166	59.6471	12.3018	0.1508	3.2769	0.2346	3.5115	0.8981	0.2245	1.1225		16,403.9497	16,403.9497	1.4460		16,440.1001
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	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386
Total	1.7932	59.7023	12.9180	0.1525	3.4248	0.2357	3.6604	0.9373	0.2255	1.1627		16,565.4501	16,565.4501	1.4516		16,601.7387

3.15 Trenching DU-Phase 2 - 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	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201		2,369.5662	2,369.5662	0.7377		2,388.0082
Total	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201		2,369.5662	2,369.5662	0.7377		2,388.0082

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3.15 Trenching DU-Phase 2 - 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	0.0596	0.0429	0.4793	1.2600e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		125.6114	125.6114	4.3000e-003		125.7189
Total	0.0596	0.0429	0.4793	1.2600e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		125.6114	125.6114	4.3000e-003		125.7189

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	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201	0.0000	2,369.5662	2,369.5662	0.7377		2,388.0082
Total	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201	0.0000	2,369.5662	2,369.5662	0.7377		2,388.0082

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3.15 Trenching DU-Phase 2 - 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	0.0596	0.0429	0.4793	1.2600e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		125.6114	125.6114	4.3000e-003		125.7189
Total	0.0596	0.0429	0.4793	1.2600e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		125.6114	125.6114	4.3000e-003		125.7189

3.16 Import-Phase 4 - 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					6.7631	0.0000	6.7631	3.3994	0.0000	3.3994			0.0000			0.0000
Off-Road	3.7061	41.5567	25.0233	0.0397		1.7371	1.7371		1.5981	1.5981		3,994.9995	3,994.9995	1.2437		4,026.0920
Total	3.7061	41.5567	25.0233	0.0397	6.7631	1.7371	8.5002	3.3994	1.5981	4.9975		3,994.9995	3,994.9995	1.2437		4,026.0920

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3.16 Import-Phase 4 - 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	1.7163	59.6388	12.3001	0.1508	3.2764	0.2346	3.5110	0.8979	0.2244	1.1224		16,401.6477	16,401.6477	1.4458		16,437.7931
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	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984
Total	1.8014	59.7001	12.9847	0.1526	3.4407	0.2358	3.6765	0.9415	0.2255	1.1670		16,581.0926	16,581.0926	1.4520		16,617.3915

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					2.6376	0.0000	2.6376	1.3258	0.0000	1.3258			0.0000			0.0000
Off-Road	3.7061	41.5567	25.0233	0.0397		1.7371	1.7371		1.5981	1.5981	0.0000	3,994.9995	3,994.9995	1.2437		4,026.0920
Total	3.7061	41.5567	25.0233	0.0397	2.6376	1.7371	4.3747	1.3258	1.5981	2.9239	0.0000	3,994.9995	3,994.9995	1.2437		4,026.0920

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

3.16 Import-Phase 4 - 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	1.7163	59.6388	12.3001	0.1508	3.2764	0.2346	3.5110	0.8979	0.2244	1.1224		16,401.6477	16,401.6477	1.4458		16,437.7931
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	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984
Total	1.8014	59.7001	12.9847	0.1526	3.4407	0.2358	3.6765	0.9415	0.2255	1.1670		16,581.0926	16,581.0926	1.4520		16,617.3915

3.17 Trenching WU-Phase 3 - 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	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631		5,751.6590	5,751.6590	1.7906		5,796.4233
Total	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631		5,751.6590	5,751.6590	1.7906		5,796.4233

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

3.17 Trenching WU-Phase 3 - 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	0.1107	0.0797	0.8901	2.3400e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		233.2784	233.2784	7.9800e-003		233.4779
Total	0.1107	0.0797	0.8901	2.3400e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		233.2784	233.2784	7.9800e-003		233.4779

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	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631	0.0000	5,751.6590	5,751.6590	1.7906		5,796.4233
Total	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631	0.0000	5,751.6590	5,751.6590	1.7906		5,796.4233

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

3.17 Trenching WU-Phase 3 - 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	0.1107	0.0797	0.8901	2.3400e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		233.2784	233.2784	7.9800e-003		233.4779
Total	0.1107	0.0797	0.8901	2.3400e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		233.2784	233.2784	7.9800e-003		233.4779

3.18 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	2.8506	25.2288	18.7719	0.0288		1.6066	1.6066		1.5082	1.5082		2,810.8008	2,810.8008	0.7012		2,828.3317
Total	2.8506	25.2288	18.7719	0.0288		1.6066	1.6066		1.5082	1.5082		2,810.8008	2,810.8008	0.7012		2,828.3317

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

3.18 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
Vendor	0.2785	7.1147	1.8840	0.0151	0.3656	0.0556	0.4212	0.1052	0.0532	0.1585		1,610.225 3	1,610.225 3	0.1276		1,613.415 8
Worker	0.7747	0.5579	6.2303	0.0164	1.4951	0.0108	1.5059	0.3966	9.9300e-003	0.4065		1,632.948 7	1,632.948 7	0.0559		1,634.345 6
Total	1.0532	7.6726	8.1144	0.0315	1.8607	0.0664	1.9271	0.5018	0.0632	0.5650		3,243.174 0	3,243.174 0	0.1835		3,247.761 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	2.8506	25.2288	18.7719	0.0288		1.6066	1.6066		1.5082	1.5082	0.0000	2,810.800 8	2,810.800 8	0.7012		2,828.331 7
Total	2.8506	25.2288	18.7719	0.0288		1.6066	1.6066		1.5082	1.5082	0.0000	2,810.800 8	2,810.800 8	0.7012		2,828.331 7

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

3.18 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
Vendor	0.2785	7.1147	1.8840	0.0151	0.3656	0.0556	0.4212	0.1052	0.0532	0.1585		1,610.225 3	1,610.225 3	0.1276		1,613.415 8
Worker	0.7747	0.5579	6.2303	0.0164	1.4951	0.0108	1.5059	0.3966	9.9300e-003	0.4065		1,632.948 7	1,632.948 7	0.0559		1,634.345 6
Total	1.0532	7.6726	8.1144	0.0315	1.8607	0.0664	1.9271	0.5018	0.0632	0.5650		3,243.174 0	3,243.174 0	0.1835		3,247.761 4

3.18 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	2.5115	22.7062	18.3139	0.0288		1.3802	1.3802		1.2958	1.2958		2,778.309 7	2,778.309 7	0.6904		2,795.570 0
Total	2.5115	22.7062	18.3139	0.0288		1.3802	1.3802		1.2958	1.2958		2,778.309 7	2,778.309 7	0.6904		2,795.570 0

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2485	6.6953	1.7285	0.0149	0.3656	0.0466	0.4121	0.1052	0.0446	0.1498		1,598.489 8	1,598.489 8	0.1234		1,601.575 1
Worker	0.7146	0.4987	5.6313	0.0159	1.4951	0.0107	1.5057	0.3966	9.8200e-003	0.4064		1,583.763 3	1,583.763 3	0.0506		1,585.027 7
Total	0.9632	7.1941	7.3598	0.0308	1.8607	0.0572	1.9179	0.5018	0.0544	0.5562		3,182.253 2	3,182.253 2	0.1740		3,186.602 8

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	2.5115	22.7062	18.3139	0.0288		1.3802	1.3802		1.2958	1.2958	0.0000	2,778.309 7	2,778.309 7	0.6904		2,795.570 0
Total	2.5115	22.7062	18.3139	0.0288		1.3802	1.3802		1.2958	1.2958	0.0000	2,778.309 7	2,778.309 7	0.6904		2,795.570 0

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2485	6.6953	1.7285	0.0149	0.3656	0.0466	0.4121	0.1052	0.0446	0.1498		1,598.489 8	1,598.489 8	0.1234		1,601.575 1
Worker	0.7146	0.4987	5.6313	0.0159	1.4951	0.0107	1.5057	0.3966	9.8200e-003	0.4064		1,583.763 3	1,583.763 3	0.0506		1,585.027 7
Total	0.9632	7.1941	7.3598	0.0308	1.8607	0.0572	1.9179	0.5018	0.0544	0.5562		3,182.253 2	3,182.253 2	0.1740		3,186.602 8

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2551	20.6494	17.9678	0.0288		1.1948	1.1948		1.1218	1.1218		2,735.699 9	2,735.699 9	0.6819		2,752.748 1
Total	2.2551	20.6494	17.9678	0.0288		1.1948	1.1948		1.1218	1.1218		2,735.699 9	2,735.699 9	0.6819		2,752.748 1

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2018	6.0889	1.5512	0.0148	0.3656	0.0298	0.3954	0.1052	0.0285	0.1337		1,587.816 4	1,587.816 4	0.1171		1,590.744 8
Worker	0.6679	0.4500	5.1590	0.0154	1.4951	0.0105	1.5056	0.3966	9.6700e-003	0.4062		1,533.799 6	1,533.799 6	0.0458		1,534.944 6
Total	0.8697	6.5389	6.7102	0.0302	1.8607	0.0403	1.9009	0.5018	0.0382	0.5400		3,121.616 1	3,121.616 1	0.1629		3,125.689 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	2.2551	20.6494	17.9678	0.0288		1.1948	1.1948		1.1218	1.1218	0.0000	2,735.699 9	2,735.699 9	0.6819		2,752.748 1
Total	2.2551	20.6494	17.9678	0.0288		1.1948	1.1948		1.1218	1.1218	0.0000	2,735.699 9	2,735.699 9	0.6819		2,752.748 1

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3.18 Building Construction - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2018	6.0889	1.5512	0.0148	0.3656	0.0298	0.3954	0.1052	0.0285	0.1337		1,587.816 4	1,587.816 4	0.1171		1,590.744 8
Worker	0.6679	0.4500	5.1590	0.0154	1.4951	0.0105	1.5056	0.3966	9.6700e-003	0.4062		1,533.799 6	1,533.799 6	0.0458		1,534.944 6
Total	0.8697	6.5389	6.7102	0.0302	1.8607	0.0403	1.9009	0.5018	0.0382	0.5400		3,121.616 1	3,121.616 1	0.1629		3,125.689 4

3.18 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	2.0228	18.7492	17.6706	0.0288		1.0251	1.0251		0.9625	0.9625		2,736.043 8	2,736.043 8	0.6751		2,752.921 2
Total	2.0228	18.7492	17.6706	0.0288		1.0251	1.0251		0.9625	0.9625		2,736.043 8	2,736.043 8	0.6751		2,752.921 2

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1633	5.4988	1.4013	0.0146	0.3656	0.0116	0.3771	0.1052	0.0110	0.1163		1,573.3005	1,573.3005	0.1124		1,576.1109
Worker	0.6295	0.4090	4.8273	0.0149	1.4951	0.0103	1.5054	0.3966	9.5100e-003	0.4061		1,482.2824	1,482.2824	0.0423		1,483.3400
Total	0.7928	5.9078	6.2286	0.0295	1.8607	0.0219	1.8825	0.5018	0.0206	0.5224		3,055.5829	3,055.5829	0.1547		3,059.4509

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	2.0228	18.7492	17.6706	0.0288		1.0251	1.0251		0.9625	0.9625	0.0000	2,736.0438	2,736.0438	0.6751		2,752.9212
Total	2.0228	18.7492	17.6706	0.0288		1.0251	1.0251		0.9625	0.9625	0.0000	2,736.0438	2,736.0438	0.6751		2,752.9212

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1633	5.4988	1.4013	0.0146	0.3656	0.0116	0.3771	0.1052	0.0110	0.1163		1,573.3005	1,573.3005	0.1124		1,576.1109
Worker	0.6295	0.4090	4.8273	0.0149	1.4951	0.0103	1.5054	0.3966	9.5100e-003	0.4061		1,482.2824	1,482.2824	0.0423		1,483.3400
Total	0.7928	5.9078	6.2286	0.0295	1.8607	0.0219	1.8825	0.5018	0.0206	0.5224		3,055.5829	3,055.5829	0.1547		3,059.4509

3.18 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8146	16.7670	17.4392	0.0288		0.8645	0.8645		0.8122	0.8122		2,737.1520	2,737.1520	0.6711		2,753.9288
Total	1.8146	16.7670	17.4392	0.0288		0.8645	0.8645		0.8122	0.8122		2,737.1520	2,737.1520	0.6711		2,753.9288

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

3.18 Building Construction - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1519	5.1966	1.3272	0.0145	0.3656	9.9400e-003	0.3755	0.1052	9.5000e-003	0.1147		1,558.5144	1,558.5144	0.1090		1,561.2388
Worker	0.5951	0.3730	4.4888	0.0143	1.4951	0.0101	1.5052	0.3966	9.3000e-003	0.4059		1,427.8987	1,427.8987	0.0388		1,428.8682
Total	0.7470	5.5695	5.8160	0.0288	1.8607	0.0200	1.8807	0.5018	0.0188	0.5206		2,986.4131	2,986.4131	0.1478		2,990.1070

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	1.8146	16.7670	17.4392	0.0288		0.8645	0.8645		0.8122	0.8122	0.0000	2,737.1520	2,737.1520	0.6711		2,753.9288
Total	1.8146	16.7670	17.4392	0.0288		0.8645	0.8645		0.8122	0.8122	0.0000	2,737.1520	2,737.1520	0.6711		2,753.9288

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

3.18 Building Construction - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1519	5.1966	1.3272	0.0145	0.3656	9.9400e-003	0.3755	0.1052	9.5000e-003	0.1147		1,558.514 4	1,558.514 4	0.1090		1,561.238 8
Worker	0.5951	0.3730	4.4888	0.0143	1.4951	0.0101	1.5052	0.3966	9.3000e-003	0.4059		1,427.898 7	1,427.898 7	0.0388		1,428.868 2
Total	0.7470	5.5695	5.8160	0.0288	1.8607	0.0200	1.8807	0.5018	0.0188	0.5206		2,986.413 1	2,986.413 1	0.1478		2,990.107 0

3.19 Paving-El Norte & Nutmeg - 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	3.5261	37.0742	24.9804	0.0458		1.8600	1.8600		1.7112	1.7112		4,607.841 6	4,607.841 6	1.4345		4,643.703 7
Paving	4.3230					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	7.8491	37.0742	24.9804	0.0458		1.8600	1.8600		1.7112	1.7112		4,607.841 6	4,607.841 6	1.4345		4,643.703 7

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

3.19 Paving-El Norte & Nutmeg - 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	0.1277	0.0920	1.0270	2.7000e-003	0.2464	1.7700e-003	0.2482	0.0654	1.6400e-003	0.0670		269.1674	269.1674	9.2100e-003		269.3976
Total	0.1277	0.0920	1.0270	2.7000e-003	0.2464	1.7700e-003	0.2482	0.0654	1.6400e-003	0.0670		269.1674	269.1674	9.2100e-003		269.3976

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	3.5261	37.0742	24.9804	0.0458		1.8600	1.8600		1.7112	1.7112	0.0000	4,607.8416	4,607.8416	1.4345		4,643.7037
Paving	4.3230					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	7.8491	37.0742	24.9804	0.0458		1.8600	1.8600		1.7112	1.7112	0.0000	4,607.8416	4,607.8416	1.4345		4,643.7037

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

3.19 Paving-El Norte & Nutmeg - 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	0.1277	0.0920	1.0270	2.7000e-003	0.2464	1.7700e-003	0.2482	0.0654	1.6400e-003	0.0670		269.1674	269.1674	9.2100e-003		269.3976
Total	0.1277	0.0920	1.0270	2.7000e-003	0.2464	1.7700e-003	0.2482	0.0654	1.6400e-003	0.0670		269.1674	269.1674	9.2100e-003		269.3976

3.20 Surface Improvements-Phase 2 - 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	5.3033	62.7982	35.9774	0.0686		2.6779	2.6779		2.4637	2.4637		6,899.3317	6,899.3317	2.1479		6,953.0281
Paving	6.0213					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	11.3247	62.7982	35.9774	0.0686		2.6779	2.6779		2.4637	2.4637		6,899.3317	6,899.3317	2.1479		6,953.0281

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

3.20 Surface Improvements-Phase 2 - 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	0.0206	0.5270	0.1396	1.1100e-003	0.0271	4.1200e-003	0.0312	7.8000e-003	3.9400e-003	0.0117		119.2760	119.2760	9.4500e-003		119.5123
Worker	0.1022	0.0736	0.8216	2.1600e-003	0.1972	1.4200e-003	0.1986	0.0523	1.3100e-003	0.0536		215.3339	215.3339	7.3700e-003		215.5181
Total	0.1228	0.6006	0.9611	3.2700e-003	0.2242	5.5400e-003	0.2298	0.0601	5.2500e-003	0.0653		334.6098	334.6098	0.0168		335.0304

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	5.3033	62.7982	35.9774	0.0686		2.6779	2.6779		2.4637	2.4637	0.0000	6,899.3317	6,899.3317	2.1479		6,953.0281
Paving	6.0213					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	11.3247	62.7982	35.9774	0.0686		2.6779	2.6779		2.4637	2.4637	0.0000	6,899.3317	6,899.3317	2.1479		6,953.0281

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

3.20 Surface Improvements-Phase 2 - 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	0.0206	0.5270	0.1396	1.1100e-003	0.0271	4.1200e-003	0.0312	7.8000e-003	3.9400e-003	0.0117		119.2760	119.2760	9.4500e-003		119.5123
Worker	0.1022	0.0736	0.8216	2.1600e-003	0.1972	1.4200e-003	0.1986	0.0523	1.3100e-003	0.0536		215.3339	215.3339	7.3700e-003		215.5181
Total	0.1228	0.6006	0.9611	3.2700e-003	0.2242	5.5400e-003	0.2298	0.0601	5.2500e-003	0.0653		334.6098	334.6098	0.0168		335.0304

3.21 Trenching DU-Phase 3 - 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	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201		2,369.5662	2,369.5662	0.7377		2,388.0082
Total	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201		2,369.5662	2,369.5662	0.7377		2,388.0082

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

3.21 Trenching DU-Phase 3 - 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	0.0596	0.0429	0.4793	1.2600e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		125.6114	125.6114	4.3000e-003		125.7189
Total	0.0596	0.0429	0.4793	1.2600e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		125.6114	125.6114	4.3000e-003		125.7189

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	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201	0.0000	2,369.5662	2,369.5662	0.7377		2,388.0082
Total	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201	0.0000	2,369.5662	2,369.5662	0.7377		2,388.0082

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

3.21 Trenching DU-Phase 3 - 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	0.0596	0.0429	0.4793	1.2600e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		125.6114	125.6114	4.3000e-003		125.7189
Total	0.0596	0.0429	0.4793	1.2600e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		125.6114	125.6114	4.3000e-003		125.7189

3.22 Trenching WU-Phase 4 - 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	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631		5,751.6590	5,751.6590	1.7906		5,796.4233
Total	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631		5,751.6590	5,751.6590	1.7906		5,796.4233

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

3.22 Trenching WU-Phase 4 - 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	0.1107	0.0797	0.8901	2.3400e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		233.2784	233.2784	7.9800e-003		233.4779
Total	0.1107	0.0797	0.8901	2.3400e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		233.2784	233.2784	7.9800e-003		233.4779

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	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631	0.0000	5,751.6590	5,751.6590	1.7906		5,796.4233
Total	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631	0.0000	5,751.6590	5,751.6590	1.7906		5,796.4233

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

3.22 Trenching WU-Phase 4 - 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	0.1107	0.0797	0.8901	2.3400e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		233.2784	233.2784	7.9800e-003		233.4779
Total	0.1107	0.0797	0.8901	2.3400e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		233.2784	233.2784	7.9800e-003		233.4779

3.23 Surface Improvements-Phase 3 - 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	5.3033	62.7982	35.9774	0.0686		2.6779	2.6779		2.4637	2.4637		6,899.3317	6,899.3317	2.1479		6,953.0281
Paving	9.3665					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	14.6698	62.7982	35.9774	0.0686		2.6779	2.6779		2.4637	2.4637		6,899.3317	6,899.3317	2.1479		6,953.0281

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

3.23 Surface Improvements-Phase 3 - 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	0.0206	0.5270	0.1396	1.1100e-003	0.0271	4.1200e-003	0.0312	7.8000e-003	3.9400e-003	0.0117		119.2760	119.2760	9.4500e-003		119.5123
Worker	0.1022	0.0736	0.8216	2.1600e-003	0.1972	1.4200e-003	0.1986	0.0523	1.3100e-003	0.0536		215.3339	215.3339	7.3700e-003		215.5181
Total	0.1228	0.6006	0.9611	3.2700e-003	0.2242	5.5400e-003	0.2298	0.0601	5.2500e-003	0.0653		334.6098	334.6098	0.0168		335.0304

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	5.3033	62.7982	35.9774	0.0686		2.6779	2.6779		2.4637	2.4637	0.0000	6,899.3317	6,899.3317	2.1479		6,953.0281
Paving	9.3665					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	14.6698	62.7982	35.9774	0.0686		2.6779	2.6779		2.4637	2.4637	0.0000	6,899.3317	6,899.3317	2.1479		6,953.0281

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

3.23 Surface Improvements-Phase 3 - 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	0.0206	0.5270	0.1396	1.1100e-003	0.0271	4.1200e-003	0.0312	7.8000e-003	3.9400e-003	0.0117		119.2760	119.2760	9.4500e-003		119.5123
Worker	0.1022	0.0736	0.8216	2.1600e-003	0.1972	1.4200e-003	0.1986	0.0523	1.3100e-003	0.0536		215.3339	215.3339	7.3700e-003		215.5181
Total	0.1228	0.6006	0.9611	3.2700e-003	0.2242	5.5400e-003	0.2298	0.0601	5.2500e-003	0.0653		334.6098	334.6098	0.0168		335.0304

3.24 Trenching DU-Phase 4 - 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	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201		2,369.5662	2,369.5662	0.7377		2,388.0082
Total	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201		2,369.5662	2,369.5662	0.7377		2,388.0082

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

3.24 Trenching DU-Phase 4 - 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	0.0596	0.0429	0.4793	1.2600e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		125.6114	125.6114	4.3000e-003		125.7189
Total	0.0596	0.0429	0.4793	1.2600e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		125.6114	125.6114	4.3000e-003		125.7189

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	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201	0.0000	2,369.5662	2,369.5662	0.7377		2,388.0082
Total	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201	0.0000	2,369.5662	2,369.5662	0.7377		2,388.0082

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

3.24 Trenching DU-Phase 4 - 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	0.0596	0.0429	0.4793	1.2600e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		125.6114	125.6114	4.3000e-003		125.7189
Total	0.0596	0.0429	0.4793	1.2600e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		125.6114	125.6114	4.3000e-003		125.7189

3.24 Trenching DU-Phase 4 - 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	1.7737	17.2428	14.1265	0.0236		0.9512	0.9512		0.8751	0.8751		2,331.7128	2,331.7128	0.7377		2,350.1560
Total	1.7737	17.2428	14.1265	0.0236		0.9512	0.9512		0.8751	0.8751		2,331.7128	2,331.7128	0.7377		2,350.1560

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

3.24 Trenching DU-Phase 4 - 2019**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0550	0.0384	0.4332	1.2200e-003	0.1150	8.2000e-004	0.1158	0.0305	7.6000e-004	0.0313		121.8280	121.8280	3.8900e-003		121.9252
Total	0.0550	0.0384	0.4332	1.2200e-003	0.1150	8.2000e-004	0.1158	0.0305	7.6000e-004	0.0313		121.8280	121.8280	3.8900e-003		121.9252

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	1.7737	17.2428	14.1265	0.0236		0.9512	0.9512		0.8751	0.8751	0.0000	2,331.7128	2,331.7128	0.7377		2,350.1560
Total	1.7737	17.2428	14.1265	0.0236		0.9512	0.9512		0.8751	0.8751	0.0000	2,331.7128	2,331.7128	0.7377		2,350.1560

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

3.24 Trenching DU-Phase 4 - 2019**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0550	0.0384	0.4332	1.2200e-003	0.1150	8.2000e-004	0.1158	0.0305	7.6000e-004	0.0313		121.8280	121.8280	3.8900e-003		121.9252
Total	0.0550	0.0384	0.4332	1.2200e-003	0.1150	8.2000e-004	0.1158	0.0305	7.6000e-004	0.0313		121.8280	121.8280	3.8900e-003		121.9252

3.25 Surface Improvements-Phase 4 - 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	4.8722	56.7355	33.9976	0.0685		2.3865	2.3865		2.1956	2.1956		6,784.5501	6,784.5501	2.1466		6,838.2141
Paving	7.6635					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	12.5357	56.7355	33.9976	0.0685		2.3865	2.3865		2.1956	2.1956		6,784.5501	6,784.5501	2.1466		6,838.2141

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

3.25 Surface Improvements-Phase 4 - 2019**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0184	0.4960	0.1280	1.1000e-003	0.0271	3.4500e-003	0.0305	7.8000e-003	3.3000e-003	0.0111		118.4067	118.4067	9.1400e-003		118.6352
Worker	0.0942	0.0658	0.7426	2.1000e-003	0.1972	1.4100e-003	0.1986	0.0523	1.2900e-003	0.0536		208.8479	208.8479	6.6700e-003		209.0146
Total	0.1127	0.5617	0.8706	3.2000e-003	0.2242	4.8600e-003	0.2291	0.0601	4.5900e-003	0.0647		327.2546	327.2546	0.0158		327.6498

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	4.8722	56.7355	33.9976	0.0685		2.3865	2.3865		2.1956	2.1956	0.0000	6,784.5501	6,784.5501	2.1466		6,838.2141
Paving	7.6635					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	12.5357	56.7355	33.9976	0.0685		2.3865	2.3865		2.1956	2.1956	0.0000	6,784.5501	6,784.5501	2.1466		6,838.2141

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

3.25 Surface Improvements-Phase 4 - 2019**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0184	0.4960	0.1280	1.1000e-003	0.0271	3.4500e-003	0.0305	7.8000e-003	3.3000e-003	0.0111		118.4067	118.4067	9.1400e-003		118.6352
Worker	0.0942	0.0658	0.7426	2.1000e-003	0.1972	1.4100e-003	0.1986	0.0523	1.2900e-003	0.0536		208.8479	208.8479	6.6700e-003		209.0146
Total	0.1127	0.5617	0.8706	3.2000e-003	0.2242	4.8600e-003	0.2291	0.0601	4.5900e-003	0.0647		327.2546	327.2546	0.0158		327.6498

3.26 Architectural Coating - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	99.4776					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090		375.2641	375.2641	0.0244		375.8749
Total	99.7503	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090		375.2641	375.2641	0.0244		375.8749

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

3.26 Architectural Coating - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1177	0.0738	0.8879	2.8300e-003	0.2957	2.0000e-003	0.2977	0.0784	1.8400e-003	0.0803		282.4415	282.4415	7.6700e-003		282.6333
Total	0.1177	0.0738	0.8879	2.8300e-003	0.2957	2.0000e-003	0.2977	0.0784	1.8400e-003	0.0803		282.4415	282.4415	7.6700e-003		282.6333

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	99.4776					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090	0.0000	375.2641	375.2641	0.0244		375.8749
Total	99.7503	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090	0.0000	375.2641	375.2641	0.0244		375.8749

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

3.26 Architectural Coating - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1177	0.0738	0.8879	2.8300e-003	0.2957	2.0000e-003	0.2977	0.0784	1.8400e-003	0.0803		282.4415	282.4415	7.6700e-003		282.6333
Total	0.1177	0.0738	0.8879	2.8300e-003	0.2957	2.0000e-003	0.2977	0.0784	1.8400e-003	0.0803		282.4415	282.4415	7.6700e-003		282.6333

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

Improve Pedestrian Network

Provide Traffic Calming Measures

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.5540	23.7964	74.8467	0.2715	24.3084	0.2019	24.5102	6.4963	0.1880	6.6843		27,627.98 15	27,627.98 15	1.3523		27,661.79 00
Unmitigated	6.6879	24.4305	78.0067	0.2848	25.5878	0.2112	25.7990	6.8382	0.1967	7.0349		28,987.651 1	28,987.651 1	1.4106		29,022.91 55

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Condo/Townhouse	600.00	585.60	499.80	1,666,437	1,583,115
General Office Building	0.00	0.00	0.00		
Health Club	20.00	12.68	16.24	31,819	30,228
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Quality Restaurant	300.00	314.70	240.66	348,286	330,871
Recreational Swimming Pool	0.00	0.00	0.00		
Single Family Housing	3,320.00	3,456.12	3004.60	9,406,479	8,936,155
Supermarket	40.00	69.48	65.12	54,370	51,651
Total	4,280.00	4,438.58	3,826.42	11,507,390	10,932,020

4.3 Trip Type Information

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Condo/Townhouse	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Quality Restaurant	9.50	7.30	7.30	12.00	69.00	19.00	38	18	44
Recreational Swimming Pool	9.50	7.30	7.30	33.00	48.00	19.00	52	39	9
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
Supermarket	9.50	7.30	7.30	6.50	74.50	19.00	34	30	36

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Condo/Townhouse	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
General Office Building	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Health Club	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Other Asphalt Surfaces	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Parking Lot	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Quality Restaurant	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Recreational Swimming Pool	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Single Family Housing	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Supermarket	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

Exceed Title 24

Percent of Electricity Use Generated with Renewable 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	0.2354	2.0231	0.9409	0.0128		0.1626	0.1626		0.1626	0.1626		2,567.8379	2,567.8379	0.0492	0.0471	2,583.0973
NaturalGas Unmitigated	0.3347	2.8740	1.3169	0.0183		0.2313	0.2313		0.2313	0.2313		3,651.5311	3,651.5311	0.0700	0.0669	3,673.2303

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

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	2810.14	0.0303	0.2590	0.1102	1.6500e-003		0.0209	0.0209		0.0209	0.0209		330.6045	330.6045	6.3400e-003	6.0600e-003	332.5692
General Office Building	744.159	8.0300e-003	0.0730	0.0613	4.4000e-004		5.5400e-003	5.5400e-003		5.5400e-003	5.5400e-003		87.5481	87.5481	1.6800e-003	1.6100e-003	88.0684
Health Club	63.5068	6.8000e-004	6.2300e-003	5.2300e-003	4.0000e-005		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004		7.4714	7.4714	1.4000e-004	1.4000e-004	7.5158
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	1434.74	0.0155	0.1407	0.1182	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.7929	168.7929	3.2400e-003	3.0900e-003	169.7960
Recreational Swimming Pool	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
Single Family Housing	25916.5	0.2795	2.3884	1.0163	0.0153		0.1931	0.1931		0.1931	0.1931		3,049.0013	3,049.0013	0.0584	0.0559	3,067.1200
Supermarket	68.9589	7.4000e-004	6.7600e-003	5.6800e-003	4.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004		8.1128	8.1128	1.6000e-004	1.5000e-004	8.1610
Total		0.3347	2.8740	1.3169	0.0183		0.2313	0.2313		0.2313	0.2313		3,651.5311	3,651.5311	0.0700	0.0670	3,673.2303

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

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	2.03333	0.0219	0.1874	0.0797	1.2000e-003		0.0152	0.0152		0.0152	0.0152		239.2150	239.2150	4.5800e-003	4.3900e-003	240.6365
General Office Building	0.52829	5.7000e-003	0.0518	0.0435	3.1000e-004		3.9400e-003	3.9400e-003		3.9400e-003	3.9400e-003		62.1518	62.1518	1.1900e-003	1.1400e-003	62.5211
Health Club	0.0548054	5.9000e-004	5.3700e-003	4.5100e-003	3.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004		6.4477	6.4477	1.2000e-004	1.2000e-004	6.4860
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	1.32617	0.0143	0.1300	0.1092	7.8000e-004		9.8800e-003	9.8800e-003		9.8800e-003	9.8800e-003		156.0203	156.0203	2.9900e-003	2.8600e-003	156.9475
Recreational Swimming Pool	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
Single Family Housing	17.8248	0.1922	1.6427	0.6990	0.0105		0.1328	0.1328		0.1328	0.1328		2,097.0402	2,097.0402	0.0402	0.0385	2,109.5019
Supermarket	0.0591849	6.4000e-004	5.8000e-003	4.8700e-003	3.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		6.9629	6.9629	1.3000e-004	1.3000e-004	7.0043
Total		0.2354	2.0231	0.9409	0.0128		0.1626	0.1626		0.1626	0.1626		2,567.8379	2,567.8379	0.0492	0.0471	2,583.0973

6.0 Area Detail**6.1 Mitigation Measures Area**

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Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	23.2906	6.8757	35.1446	0.0432		0.7049	0.7049		0.7049	0.7049	0.0000	8,359.472 9	8,359.472 9	0.2153	0.1522	8,410.206 8
Unmitigated	29.1023	6.8757	35.1446	0.0432		0.7049	0.7049		0.7049	0.7049	0.0000	8,359.472 9	8,359.472 9	0.2153	0.1522	8,410.206 8

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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	7.8557					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	19.5083					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.7609	6.5026	2.7671	0.0415		0.5257	0.5257		0.5257	0.5257	0.0000	8,301.1765	8,301.1765	0.1591	0.1522	8,350.5062
Landscaping	0.9773	0.3732	32.3775	1.7100e-003		0.1792	0.1792		0.1792	0.1792		58.2964	58.2964	0.0562		59.7005
Total	29.1023	6.8757	35.1446	0.0432		0.7049	0.7049		0.7049	0.7049	0.0000	8,359.4729	8,359.4729	0.2153	0.1522	8,410.2068

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6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.0441					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	19.5083					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.7609	6.5026	2.7671	0.0415		0.5257	0.5257		0.5257	0.5257	0.0000	8,301.1765	8,301.1765	0.1591	0.1522	8,350.5062
Landscaping	0.9773	0.3732	32.3775	1.7100e-003		0.1792	0.1792		0.1792	0.1792		58.2964	58.2964	0.0562		59.7005
Total	23.2906	6.8757	35.1446	0.0432		0.7049	0.7049		0.7049	0.7049	0.0000	8,359.4729	8,359.4729	0.2153	0.1522	8,410.2068

7.0 Water Detail**7.1 Mitigation Measures Water**

Use Reclaimed Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Summer

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

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Escondido Villages Specific Plan Project - Unmitigated

San Diego County APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	13.40	1000sqft	0.31	13,400.00	0
Other Asphalt Surfaces	63.00	Acre	63.00	2,744,280.00	0
Parking Lot	150.00	Space	1.35	60,000.00	0
City Park	57.11	Acre	57.11	2,487,711.60	0
Health Club	2.00	1000sqft	0.05	2,000.00	0
Quality Restaurant	3.00	1000sqft	0.07	3,000.00	0
Recreational Swimming Pool	2.50	1000sqft	0.06	2,500.00	0
Condo/Townhouse	60.00	Dwelling Unit	4.40	96,000.00	172
Single Family Housing	332.00	Dwelling Unit	27.61	743,800.00	950
Supermarket	1.00	1000sqft	0.02	1,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2023
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	500.76	CH4 Intensity (lb/MWhr)	0.02	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Based on applicant provided project schedule. SDG&E GHG emission factors adjusted for RPS in 2023.

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Land Use - Based on Escondido Villages Specific Plan Project.

Construction Phase - Based on ECC Phased schedule.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - PH 1 ECC AQ EquipmentList

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - PH 1 ECC AQ EquipmentList

Off-road Equipment - PH 1 ECC AQ EquipmentList

Off-road Equipment - PH 2 ECC AQ EquipmentList

Off-road Equipment - PH 3 ECC AQ EquipmentList

Off-road Equipment - PH 4 ECC AQ EquipmentList

Off-road Equipment - PH 2 ECC AQ EquipmentList

Off-road Equipment - PH 3 ECC AQ EquipmentList

Off-road Equipment - PH 4 ECC AQ EquipmentList

Off-road Equipment - Off-Site-ECC-AQ-EquipmentList

Off-road Equipment - Off-Site-ECC-AQ-EquipmentList

Off-road Equipment - Off-Site-ECC-AQ-EquipmentList

Off-road Equipment - PH 1 ECC AQ EquipmentList

Off-road Equipment - PH 2 ECC AQ EquipmentList

Off-road Equipment - PH 3 ECC AQ EquipmentList

Off-road Equipment - PH 4 ECC AQ EquipmentList

Off-road Equipment - PH 1 ECC AQ EquipmentList

Off-road Equipment - PH 2 ECC AQ EquipmentList

Off-road Equipment - PH 3 ECC AQ EquipmentList

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

Off-road Equipment - PH 4 ECC AQ EquipmentList
Off-road Equipment - PH 1 ECC AQ EquipmentList

Off-road Equipment - PH 2 ECC AQ EquipmentList

Off-road Equipment - PH 3 ECC AQ EquipmentList

Off-road Equipment - PH 4 ECC AQ EquipmentList

Trips and VMT - CalEEMod defaults.

On-road Fugitive Dust - CalEEMod defaults.

Demolition - Based on square footage of existing golf course clubhouse and amenities.

Grading - PH 2 ECC AQ Equipmentlist, PH 3 ECC AQ EquipmentList, PH 4 ECC AQ EquipmentList

Architectural Coating - In accordance with SDAPCD Rule 67.0.1 and use of low-VOC coatings.

Vehicle Trips - Based on traffic impact assessment.

Vehicle Emission Factors - CalEEMod defaults.

Vehicle Emission Factors - CalEEMod defaults.

Vehicle Emission Factors - CalEEMod defaults.

Road Dust - CalEEMod defaults.

Woodstoves - Based on Escondido Village Specific Plan. No wood burning stoves or fireplaces will be installed.

Consumer Products - CalEEMod defaults.

Area Coating - CalEEMod defaults.

Landscape Equipment - CalEEMod defaults.

Energy Use - CalEEMod defaults.

Water And Wastewater - CalEEMod defaults.

Solid Waste - CalEEMod defaults.

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Land Use Change - Based on conversion of the existing golf course and open space/parks planned.

Construction Off-road Equipment Mitigation - Dust suppression in accordance with SDAPCD Rule 55.

Mobile Land Use Mitigation - 75% of the project streets and intersections have traffic calming measures per the SAP. The trail system connects project site with off-site amenities.

Mobile Commute Mitigation -

Area Mitigation - Only natural gas hearths will be installed. VOC content for architectural coatings in accordance with SDAPCD Rule 67.0.1.

Energy Mitigation - All residential electricity use will be offset by solar PV. The project will exceed the 2016 Title 24 standards by 15%.

Water Mitigation - Project will utilize recycled water for landscaping and park irrigation and low-flow fixtures.

Waste Mitigation - 50% solid waste diversion assumed in accordance with AB 939.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
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tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	250	100
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	250	100
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	100
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	50
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

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tblConstEquipMitigation	Tier	No Change	Tier 3
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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstEquipMitigation	Tier	No Change	Tier 3
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tblFireplaces	FireplaceWoodMass	3,078.40	0.00
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tblFireplaces	NumberGas	182.60	332.00
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tblFireplaces	NumberNoFireplace	33.20	0.00
tblFireplaces	NumberWood	21.00	0.00
tblFireplaces	NumberWood	116.20	0.00
tblFleetMix	FleetMixLandUseSubType	General Office Building	City Park
tblFleetMix	FleetMixLandUseSubType	Other Asphalt Surfaces	Condo/Townhouse
tblFleetMix	FleetMixLandUseSubType	Parking Lot	General Office Building
tblFleetMix	FleetMixLandUseSubType	City Park	Health Club
tblFleetMix	FleetMixLandUseSubType	Health Club	Other Asphalt Surfaces
tblFleetMix	FleetMixLandUseSubType	Quality Restaurant	Parking Lot

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tblFleetMix	FleetMixLandUseSubType	Recreational Swimming Pool	Quality Restaurant
tblFleetMix	FleetMixLandUseSubType	Condo/Townhouse	Recreational Swimming Pool
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tblGrading	MaterialImported	0.00	81,000.00
tblGrading	MaterialImported	0.00	70,500.00
tblLandUse	BuildingSpaceSquareFeet	60,000.00	96,000.00
tblLandUse	BuildingSpaceSquareFeet	597,600.00	743,800.00
tblLandUse	LandUseSquareFeet	60,000.00	96,000.00
tblLandUse	LandUseSquareFeet	597,600.00	743,800.00
tblLandUse	LotAcreage	3.75	4.40
tblLandUse	LotAcreage	107.79	27.61
tblOffRoadEquipment	HorsePower	187.00	179.00
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tbloffRoadEquipment	HorsePower	80.00	110.00
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tbloffRoadEquipment	HorsePower	80.00	100.00
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tbloffRoadEquipment	HorsePower	187.00	179.00

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[illegible]

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tblOffRoadEquipment	HorsePower	402.00	200.00
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tblOffRoadEquipment	HorsePower	203.00	89.00
tblOffRoadEquipment	HorsePower	203.00	164.00

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tbloffRoadEquipment	HorsePower	203.00	89.00
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tbloffRoadEquipment	HorsePower	97.00	108.00
tbloffRoadEquipment	HorsePower	97.00	108.00
tbloffRoadEquipment	LoadFactor	0.43	0.40
tbloffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tbloffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tbloffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tbloffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tbloffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tbloffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tbloffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tbloffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tbloffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.02

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tblProjectCharacteristics	CO2IntensityFactor	720.49	500.76
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblProjectCharacteristics	OperationalYear	2018	2023
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	913.00	54.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripNumber	18.00	34.00
tblTripsAndVMT	WorkerTripNumber	20.00	26.00
tblTripsAndVMT	WorkerTripNumber	45.00	56.00
tblTripsAndVMT	WorkerTripNumber	8.00	18.00
tblTripsAndVMT	WorkerTripNumber	13.00	14.00
tblTripsAndVMT	WorkerTripNumber	10.00	20.00
tblTripsAndVMT	WorkerTripNumber	25.00	26.00
tblTripsAndVMT	WorkerTripNumber	2,393.00	182.00
tblTripsAndVMT	WorkerTripNumber	20.00	30.00
tblTripsAndVMT	WorkerTripNumber	23.00	24.00
tblTripsAndVMT	WorkerTripNumber	45.00	56.00
tblTripsAndVMT	WorkerTripNumber	13.00	14.00
tblTripsAndVMT	WorkerTripNumber	25.00	26.00
tblTripsAndVMT	WorkerTripNumber	23.00	24.00
tblTripsAndVMT	WorkerTripNumber	13.00	14.00
tblTripsAndVMT	WorkerTripNumber	23.00	24.00
tblTripsAndVMT	WorkerTripNumber	479.00	36.00
tblTripsAndVMT	WorkerTripNumber	25.00	26.00
tblTripsAndVMT	WorkerTripNumber	45.00	56.00

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tblTripsAndVMT	WorkerTripNumber	20.00	26.00
tblTripsAndVMT	WorkerTripNumber	8.00	18.00
tblTripsAndVMT	WorkerTripNumber	13.00	14.00
tblTripsAndVMT	WorkerTripNumber	25.00	26.00
tblTripsAndVMT	WorkerTripNumber	45.00	56.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	5.67	9.76
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	20.87	6.34
tblVehicleTrips	ST_TR	94.36	104.90
tblVehicleTrips	ST_TR	9.10	0.00
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	ST_TR	177.59	69.48
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	4.84	8.33
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	26.73	8.12
tblVehicleTrips	SU_TR	72.16	80.22
tblVehicleTrips	SU_TR	13.60	0.00
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	SU_TR	166.44	65.12
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	5.81	10.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	32.93	10.00
tblVehicleTrips	WD_TR	89.95	100.00
tblVehicleTrips	WD_TR	33.82	0.00

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tblVehicleTrips	WD_TR	9.52	10.00
tblVehicleTrips	WD_TR	102.24	40.00
tblWoodstoves	NumberCatalytic	3.00	0.00
tblWoodstoves	NumberCatalytic	16.60	0.00
tblWoodstoves	NumberNoncatalytic	3.00	0.00
tblWoodstoves	NumberNoncatalytic	16.60	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

2.0 Emissions Summary

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

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	58.4738	695.8756	330.6410	0.8167	44.7102	24.5373	69.2475	15.7050	22.5744	38.2793	0.0000	82,370.27 85	82,370.27 85	25.1976	0.0000	82,888.99 23
2019	18.0762	104.5586	74.9291	0.1545	2.1999	4.7817	6.9816	0.5924	4.4271	5.0194	0.0000	15,365.08 42	15,365.08 42	3.7737	0.0000	15,459.42 68
2020	3.2228	27.2387	24.5532	0.0577	1.8607	1.2356	3.0962	0.5018	1.1605	1.6623	0.0000	5,722.456 1	5,722.456 1	0.8498	0.0000	5,743.699 8
2021	2.9088	24.6924	23.7687	0.0570	1.8607	1.0475	2.9081	0.5018	0.9835	1.4853	0.0000	5,660.144 6	5,660.144 6	0.8345	0.0000	5,681.006 3
2022	102.5354	24.3253	26.3781	0.0630	2.1564	0.9959	3.1523	0.5802	0.9422	1.5225	0.0000	6,235.996 0	6,235.996 0	0.8549	0.0000	6,257.369 1
Maximum	102.5354	695.8756	330.6410	0.8167	44.7102	24.5373	69.2475	15.7050	22.5744	38.2793	0.0000	82,370.27 85	82,370.27 85	25.1976	0.0000	82,888.99 23

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, 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	58.4738	695.8756	330.6410	0.8167	18.3720	24.5373	42.9093	6.3707	22.5744	28.9450	0.0000	82,370.27 85	82,370.27 85	25.1976	0.0000	82,888.99 22
2019	18.0762	104.5586	74.9291	0.1545	2.1999	4.7817	6.9816	0.5924	4.4271	5.0194	0.0000	15,365.08 42	15,365.08 42	3.7737	0.0000	15,459.42 68
2020	3.2228	27.2387	24.5532	0.0577	1.8607	1.2356	3.0962	0.5018	1.1605	1.6623	0.0000	5,722.456 1	5,722.456 1	0.8498	0.0000	5,743.699 8
2021	2.9088	24.6924	23.7687	0.0570	1.8607	1.0475	2.9081	0.5018	0.9835	1.4853	0.0000	5,660.144 6	5,660.144 6	0.8345	0.0000	5,681.006 3
2022	102.5354	24.3253	26.3781	0.0630	2.1564	0.9959	3.1523	0.5802	0.9422	1.5225	0.0000	6,235.996 0	6,235.996 0	0.8549	0.0000	6,257.369 1
Maximum	102.5354	695.8756	330.6410	0.8167	18.3720	24.5373	42.9093	6.3707	22.5744	28.9450	0.0000	82,370.27 85	82,370.27 85	25.1976	0.0000	82,888.99 22

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	49.89	0.00	30.85	52.20	0.00	19.46	0.00	0.00	0.00	0.00	0.00	0.00

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, 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	29.1023	6.8757	35.1446	0.0432		0.7049	0.7049		0.7049	0.7049	0.0000	8,359.472 9	8,359.472 9	0.2153	0.1522	8,410.206 8
Energy	0.3347	2.8740	1.3169	0.0183		0.2313	0.2313		0.2313	0.2313		3,651.5311	3,651.5311	0.0700	0.0669	3,673.230 3
Mobile	6.4709	25.1337	76.4640	0.2702	25.5878	0.2123	25.8001	6.8382	0.1977	7.0359		27,503.33 69	27,503.33 69	1.4150		27,538.71 23
Total	35.9079	34.8834	112.9255	0.3316	25.5878	1.1485	26.7362	6.8382	1.1339	7.9721	0.0000	39,514.34 09	39,514.34 09	1.7003	0.2191	39,622.14 94

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	23.2906	6.8757	35.1446	0.0432		0.7049	0.7049		0.7049	0.7049	0.0000	8,359.472 9	8,359.472 9	0.2153	0.1522	8,410.206 8
Energy	0.2354	2.0231	0.9409	0.0128		0.1626	0.1626		0.1626	0.1626		2,567.837 9	2,567.837 9	0.0492	0.0471	2,583.097 3
Mobile	6.3396	24.4571	73.5842	0.2574	24.3084	0.2030	24.5114	6.4963	0.1890	6.6853		26,210.02 54	26,210.02 54	1.3584		26,243.98 57
Total	29.8656	33.3559	109.6697	0.3135	24.3084	1.0705	25.3789	6.4963	1.0566	7.5528	0.0000	37,137.33 61	37,137.33 61	1.6229	0.1993	37,237.28 97

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	16.83	4.38	2.88	5.47	5.00	6.79	5.08	5.00	6.82	5.26	0.00	6.02	6.02	4.55	9.06	6.02

3.0 Construction Detail

Construction Phase

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition-Phase 1	Demolition	1/2/2018	3/5/2018	5	45	
2	Grading-Phase 1	Grading	3/6/2018	5/24/2018	5	58	
3	Trenching WU-Phase 1	Trenching	4/2/2018	7/25/2018	5	83	
4	Grading-Phase 2	Grading	5/14/2018	7/6/2018	5	40	
5	Paving-Country Club & El Norte	Paving	5/21/2018	7/18/2018	5	43	
6	Import-Phase 2	Site Preparation	6/11/2018	8/14/2018	5	47	
7	Trenching DU-Phase 1	Trenching	6/25/2018	8/13/2018	5	36	
8	Trenching WU-Phase 2	Trenching	6/25/2018	9/11/2018	5	57	
9	Grading-Phase 3	Grading	7/9/2018	8/10/2018	5	25	
10	Surface Improvements-Phase 1	Paving	7/16/2018	9/11/2018	5	42	
11	Paving-Country Club & Nutmeg	Paving	7/19/2018	9/10/2018	5	38	
12	Grading-Phase 4	Grading	8/13/2018	9/24/2018	5	31	
13	Import-Phase 3	Site Preparation	8/15/2018	9/10/2018	5	19	
14	Trenching DU-Phase 2	Trenching	8/27/2018	9/28/2018	5	25	
15	Import-Phase 4	Site Preparation	9/11/2018	11/23/2018	5	54	
16	Trenching WU-Phase 3	Trenching	9/12/2018	10/30/2018	5	35	
17	Building Construction	Building Construction	9/12/2018	12/13/2022	5	1110	
18	Paving-El Norte & Nutmeg	Paving	9/12/2018	11/5/2018	5	39	
19	Surface Improvements-Phase 2	Paving	9/17/2018	10/24/2018	5	28	
20	Trenching DU-Phase 3	Trenching	10/22/2018	11/9/2018	5	15	
21	Trenching WU-Phase 4	Trenching	10/29/2018	12/27/2018	5	44	
22	Surface Improvements-Phase 3	Paving	11/1/2018	11/26/2018	5	18	
23	Trenching DU-Phase 4	Trenching	12/17/2018	1/10/2019	5	19	
24	Surface Improvements-Phase 4	Paving	1/2/2019	1/31/2019	5	22	
25	Architectural Coating	Architectural Coating	8/31/2022	12/13/2022	5	75	

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 0****Acres of Paving: 64.35****Residential Indoor: 1,700,595; Residential Outdoor: 566,865; Non-Residential Indoor: 29,100; Non-Residential Outdoor: 9,700; Striped Parking Area: 168,257 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition-Phase 1	Crawler Tractors	1	8.00	328	0.40
Demolition-Phase 1	Off-Highway Trucks	1	8.00	200	0.38
Demolition-Phase 1	Other Construction Equipment	5	8.00	222	0.42
Grading-Phase 1	Graders	2	8.00	179	0.41
Grading-Phase 1	Off-Highway Trucks	1	8.00	200	0.38
Grading-Phase 1	Off-Highway Trucks	4	8.00	775	0.38
Grading-Phase 1	Rubber Tired Dozers	2	8.00	312	0.40
Grading-Phase 1	Rubber Tired Loaders	1	8.00	311	0.36
Grading-Phase 1	Scrapers	8	8.00	600	0.48
Trenching WU-Phase 1	Excavators	2	8.00	239	0.38
Trenching WU-Phase 1	Off-Highway Trucks	4	8.00	200	0.38
Trenching WU-Phase 1	Rubber Tired Loaders	2	8.00	164	0.36
Trenching WU-Phase 1	Rubber Tired Loaders	2	8.00	89	0.36
Grading-Phase 2	Graders	2	8.00	179	0.41
Grading-Phase 2	Off-Highway Trucks	1	8.00	200	0.38
Grading-Phase 2	Off-Highway Trucks	4	8.00	775	0.38
Grading-Phase 2	Rubber Tired Dozers	2	8.00	312	0.40
Grading-Phase 2	Rubber Tired Loaders	1	8.00	311	0.36
Grading-Phase 2	Scrapers	8	8.00	600	0.48

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

Paving-Country Club & El Norte	Excavators	1	8.00	138	0.38
Paving-Country Club & El Norte	Graders	1	8.00	240	0.41
Paving-Country Club & El Norte	Off-Highway Trucks	1	8.00	200	0.38
Paving-Country Club & El Norte	Off-Highway Trucks	1	8.00	300	0.38
Paving-Country Club & El Norte	Pavers	1	8.00	173	0.42
Paving-Country Club & El Norte	Rollers	1	8.00	110	0.38
Paving-Country Club & El Norte	Rubber Tired Loaders	1	8.00	160	0.36
Paving-Country Club & El Norte	Rubber Tired Loaders	1	8.00	89	0.36
Import-Phase 2	Graders	1	8.00	179	0.41
Import-Phase 2	Rubber Tired Dozers	1	8.00	496	0.40
Import-Phase 2	Rubber Tired Loaders	1	8.00	311	0.36
Trenching DU-Phase 1	Off-Highway Trucks	1	8.00	200	0.38
Trenching DU-Phase 1	Rubber Tired Loaders	2	8.00	164	0.36
Trenching DU-Phase 1	Tractors/Loaders/Backhoes	2	8.00	108	0.37
Trenching WU-Phase 2	Excavators	2	8.00	239	0.38
Trenching WU-Phase 2	Off-Highway Trucks	4	8.00	200	0.38
Trenching WU-Phase 2	Rubber Tired Loaders	2	8.00	164	0.36
Trenching WU-Phase 2	Rubber Tired Loaders	2	8.00	89	0.36
Grading-Phase 3	Graders	2	8.00	179	0.41
Grading-Phase 3	Off-Highway Trucks	1	8.00	200	0.38
Grading-Phase 3	Off-Highway Trucks	4	8.00	775	0.38
Grading-Phase 3	Rubber Tired Dozers	2	8.00	312	0.40
Grading-Phase 3	Rubber Tired Loaders	1	8.00	311	0.36
Grading-Phase 3	Scrapers	8	8.00	600	0.48
Surface Improvements-Phase 1	Graders	2	8.00	179	0.41
Surface Improvements-Phase 1	Pavers	1	8.00	121	0.42
Surface Improvements-Phase 1	Paving Equipment	1	8.00	173	0.36

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

Surface Improvements-Phase 1	Rollers	1	8.00	100	0.38
Surface Improvements-Phase 1	Rubber Tired Loaders	1	8.00	89	0.36
Surface Improvements-Phase 1	Scrapers	2	8.00	407	0.48
Paving-Country Club & Nutmeg	Excavators	1	8.00	138	0.38
Paving-Country Club & Nutmeg	Graders	1	8.00	240	0.41
Paving-Country Club & Nutmeg	Off-Highway Trucks	1	8.00	200	0.38
Paving-Country Club & Nutmeg	Off-Highway Trucks	1	8.00	300	0.38
Paving-Country Club & Nutmeg	Pavers	1	8.00	173	0.42
Paving-Country Club & Nutmeg	Rollers	1	8.00	110	0.38
Paving-Country Club & Nutmeg	Rubber Tired Loaders	1	8.00	160	0.36
Paving-Country Club & Nutmeg	Rubber Tired Loaders	1	8.00	89	0.36
Grading-Phase 4	Graders	2	8.00	179	0.41
Grading-Phase 4	Off-Highway Trucks	1	8.00	200	0.38
Grading-Phase 4	Off-Highway Trucks	4	8.00	775	0.38
Grading-Phase 4	Rubber Tired Dozers	2	8.00	312	0.40
Grading-Phase 4	Rubber Tired Loaders	1	8.00	311	0.36
Grading-Phase 4	Scrapers	8	8.00	600	0.48
Import-Phase 3	Graders	1	8.00	179	0.41
Import-Phase 3	Rubber Tired Dozers	1	8.00	496	0.40
Import-Phase 3	Rubber Tired Loaders	1	8.00	311	0.36
Trenching DU-Phase 2	Off-Highway Trucks	1	8.00	200	0.38
Trenching DU-Phase 2	Rubber Tired Loaders	2	8.00	164	0.36
Trenching DU-Phase 2	Tractors/Loaders/Backhoes	2	8.00	108	0.37
Import-Phase 4	Graders	1	8.00	179	0.41
Import-Phase 4	Off-Highway Trucks	1	8.00	200	0.38
Import-Phase 4	Rubber Tired Dozers	1	8.00	496	0.40
Import-Phase 4	Rubber Tired Loaders	1	8.00	311	0.36

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

Trenching WU-Phase 3	Excavators	2	8.00	239	0.38
Trenching WU-Phase 3	Off-Highway Trucks	4	8.00	200	0.38
Trenching WU-Phase 3	Rubber Tired Loaders	2	8.00	164	0.36
Trenching WU-Phase 3	Rubber Tired Loaders	2	8.00	89	0.36
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving-El Norte & Nutmeg	Excavators	1	8.00	138	0.38
Paving-El Norte & Nutmeg	Off-Highway Trucks	1	8.00	200	0.38
Paving-El Norte & Nutmeg	Off-Highway Trucks	1	8.00	300	0.38
Paving-El Norte & Nutmeg	Other Construction Equipment	3	8.00	148	0.42
Paving-El Norte & Nutmeg	Pavers	1	8.00	173	0.42
Paving-El Norte & Nutmeg	Rubber Tired Loaders	1	8.00	89	0.36
Surface Improvements-Phase 2	Graders	2	8.00	179	0.41
Surface Improvements-Phase 2	Off-Highway Trucks	1	8.00	200	0.38
Surface Improvements-Phase 2	Pavers	1	8.00	121	0.42
Surface Improvements-Phase 2	Paving Equipment	1	8.00	173	0.36
Surface Improvements-Phase 2	Rollers	1	8.00	100	0.38
Surface Improvements-Phase 2	Rubber Tired Loaders	1	8.00	89	0.36
Surface Improvements-Phase 2	Scrapers	2	8.00	407	0.48
Trenching DU-Phase 3	Off-Highway Trucks	1	8.00	200	0.38
Trenching DU-Phase 3	Rubber Tired Loaders	2	8.00	164	0.36
Trenching DU-Phase 3	Tractors/Loaders/Backhoes	2	8.00	108	0.37
Trenching WU-Phase 4	Excavators	2	8.00	239	0.38
Trenching WU-Phase 4	Off-Highway Trucks	4	8.00	200	0.38

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Trenching WU-Phase 4	Rubber Tired Loaders	2	8.00	164	0.36
Trenching WU-Phase 4	Rubber Tired Loaders	2	8.00	89	0.36
Surface Improvements-Phase 3	Graders	2	8.00	179	0.41
Surface Improvements-Phase 3	Off-Highway Trucks	1	8.00	200	0.38
Surface Improvements-Phase 3	Pavers	1	8.00	121	0.42
Surface Improvements-Phase 3	Paving Equipment	1	8.00	173	0.36
Surface Improvements-Phase 3	Rollers	1	8.00	100	0.38
Surface Improvements-Phase 3	Rubber Tired Loaders	1	8.00	89	0.36
Surface Improvements-Phase 3	Scrapers	2	8.00	407	0.48
Trenching DU-Phase 4	Off-Highway Trucks	1	8.00	200	0.38
Trenching DU-Phase 4	Rubber Tired Loaders	2	8.00	164	0.36
Trenching DU-Phase 4	Tractors/Loaders/Backhoes	2	8.00	108	0.37
Surface Improvements-Phase 4	Graders	2	8.00	179	0.41
Surface Improvements-Phase 4	Off-Highway Trucks	1	8.00	200	0.38
Surface Improvements-Phase 4	Pavers	1	8.00	121	0.42
Surface Improvements-Phase 4	Paving Equipment	1	8.00	173	0.36
Surface Improvements-Phase 4	Rollers	1	8.00	100	0.38
Surface Improvements-Phase 4	Rubber Tired Loaders	1	8.00	89	0.36
Surface Improvements-Phase 4	Scrapers	2	8.00	407	0.48
Architectural Coating	Air Compressors	1	8.00	78	0.48

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition-Phase 1	7	34.00	0.00	252.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading-Phase 1	18	56.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching WU-Phase 1	10	26.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading-Phase 2	18	56.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving-Country Club & El Norte	8	26.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Import-Phase 2	3	18.00	0.00	8,813.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching DU-Phase 1	5	14.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching WU-Phase 2	10	26.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading-Phase 3	18	56.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Surface Improvements-Phase 1	8	20.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving-Country Club & Nutmeg	8	26.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading-Phase 4	18	56.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Import-Phase 3	3	18.00	0.00	3,563.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching DU-Phase 2	5	14.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Import-Phase 4	4	20.00	0.00	10,125.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching WU-Phase 3	10	26.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	182.00	54.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving-El Norte & Nutmeg	8	30.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Surface Improvements-Phase 2	9	24.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching DU-Phase 3	5	14.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching WU-Phase 4	10	26.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Surface Improvements-Phase 3	9	24.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching DU-Phase 4	5	14.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Surface Improvements-Phase 4	9	24.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	36.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

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3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Clean Paved Roads

3.2 Demolition-Phase 1 - 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					1.2247	0.0000	1.2247	0.1855	0.0000	0.1855			0.0000			0.0000
Off-Road	1.2526	14.7449	7.5809	0.0178		0.5814	0.5814		0.5349	0.5349		1,795.6007	1,795.6007	0.5590		1,809.5755
Total	1.2526	14.7449	7.5809	0.0178	1.2247	0.5814	1.8061	0.1855	0.5349	0.7204		1,795.6007	1,795.6007	0.5590		1,809.5755

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3.2 Demolition-Phase 1 - 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	0.0527	1.8003	0.3950	4.4300e-003	0.0979	7.1700e-003	0.1050	0.0268	6.8600e-003	0.0337		481.7337	481.7337	0.0448		482.8537
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	0.1635	0.1171	1.1041	2.8800e-003	0.2793	2.0100e-003	0.2813	0.0741	1.8500e-003	0.0759		286.3913	286.3913	9.9200e-003		286.6394
Total	0.2162	1.9173	1.4991	7.3100e-003	0.3772	9.1800e-003	0.3863	0.1009	8.7100e-003	0.1096		768.1250	768.1250	0.0547		769.4931

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4776	0.0000	0.4776	0.0723	0.0000	0.0723			0.0000			0.0000
Off-Road	1.2526	14.7449	7.5809	0.0178		0.5814	0.5814		0.5349	0.5349	0.0000	1,795.6007	1,795.6007	0.5590		1,809.5755
Total	1.2526	14.7449	7.5809	0.0178	0.4776	0.5814	1.0590	0.0723	0.5349	0.6072	0.0000	1,795.6007	1,795.6007	0.5590		1,809.5755

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3.2 Demolition-Phase 1 - 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	0.0527	1.8003	0.3950	4.4300e-003	0.0979	7.1700e-003	0.1050	0.0268	6.8600e-003	0.0337		481.7337	481.7337	0.0448		482.8537
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	0.1635	0.1171	1.1041	2.8800e-003	0.2793	2.0100e-003	0.2813	0.0741	1.8500e-003	0.0759		286.3913	286.3913	9.9200e-003		286.6394
Total	0.2162	1.9173	1.4991	7.3100e-003	0.3772	9.1800e-003	0.3863	0.1009	8.7100e-003	0.1096		768.1250	768.1250	0.0547		769.4931

3.3 Grading-Phase 1 - 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					21.5887	0.0000	21.5887	7.6510	0.0000	7.6510			0.0000			0.0000
Off-Road	22.8440	307.3859	139.4016	0.3494		10.3429	10.3429		9.5155	9.5155		35,155.5627	35,155.5627	10.9444		35,429.1728
Total	22.8440	307.3859	139.4016	0.3494	21.5887	10.3429	31.9316	7.6510	9.5155	17.1665		35,155.5627	35,155.5627	10.9444		35,429.1728

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3.3 Grading-Phase 1 - 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	0.2693	0.1928	1.8185	4.7400e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		471.7033	471.7033	0.0164		472.1119
Total	0.2693	0.1928	1.8185	4.7400e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		471.7033	471.7033	0.0164		472.1119

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					8.4196	0.0000	8.4196	2.9839	0.0000	2.9839			0.0000			0.0000
Off-Road	22.8440	307.3859	139.4016	0.3494		10.3429	10.3429		9.5155	9.5155	0.0000	35,155.5627	35,155.5627	10.9444		35,429.1728
Total	22.8440	307.3859	139.4016	0.3494	8.4196	10.3429	18.7625	2.9839	9.5155	12.4994	0.0000	35,155.5627	35,155.5627	10.9444		35,429.1728

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3.3 Grading-Phase 1 - 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	0.2693	0.1928	1.8185	4.7400e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		471.7033	471.7033	0.0164		472.1119
Total	0.2693	0.1928	1.8185	4.7400e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		471.7033	471.7033	0.0164		472.1119

3.4 Trenching WU-Phase 1 - 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	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631		5,751.6590	5,751.6590	1.7906		5,796.4233
Total	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631		5,751.6590	5,751.6590	1.7906		5,796.4233

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3.4 Trenching WU-Phase 1 - 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	0.1250	0.0895	0.8443	2.2000e-003	0.3992	1.5400e-003	0.4008	0.1022	1.4200e-003	0.1036		219.0051	219.0051	7.5900e-003		219.1948
Total	0.1250	0.0895	0.8443	2.2000e-003	0.3992	1.5400e-003	0.4008	0.1022	1.4200e-003	0.1036		219.0051	219.0051	7.5900e-003		219.1948

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	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631	0.0000	5,751.6590	5,751.6590	1.7906		5,796.4233
Total	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631	0.0000	5,751.6590	5,751.6590	1.7906		5,796.4233

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3.4 Trenching WU-Phase 1 - 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	0.1250	0.0895	0.8443	2.2000e-003	0.3992	1.5400e-003	0.4008	0.1022	1.4200e-003	0.1036		219.0051	219.0051	7.5900e-003		219.1948
Total	0.1250	0.0895	0.8443	2.2000e-003	0.3992	1.5400e-003	0.4008	0.1022	1.4200e-003	0.1036		219.0051	219.0051	7.5900e-003		219.1948

3.5 Grading-Phase 2 - 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					21.5887	0.0000	21.5887	7.6510	0.0000	7.6510			0.0000			0.0000
Off-Road	22.8440	307.3859	139.4016	0.3494		10.3429	10.3429		9.5155	9.5155		35,155.5627	35,155.5627	10.9444		35,429.1728
Total	22.8440	307.3859	139.4016	0.3494	21.5887	10.3429	31.9316	7.6510	9.5155	17.1665		35,155.5627	35,155.5627	10.9444		35,429.1728

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3.5 Grading-Phase 2 - 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	0.2693	0.1928	1.8185	4.7400e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		471.7033	471.7033	0.0164		472.1119
Total	0.2693	0.1928	1.8185	4.7400e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		471.7033	471.7033	0.0164		472.1119

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					8.4196	0.0000	8.4196	2.9839	0.0000	2.9839			0.0000			0.0000
Off-Road	22.8440	307.3859	139.4016	0.3494		10.3429	10.3429		9.5155	9.5155	0.0000	35,155.5627	35,155.5627	10.9444		35,429.1728
Total	22.8440	307.3859	139.4016	0.3494	8.4196	10.3429	18.7625	2.9839	9.5155	12.4994	0.0000	35,155.5627	35,155.5627	10.9444		35,429.1728

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3.5 Grading-Phase 2 - 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	0.2693	0.1928	1.8185	4.7400e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		471.7033	471.7033	0.0164		472.1119
Total	0.2693	0.1928	1.8185	4.7400e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		471.7033	471.7033	0.0164		472.1119

3.6 Paving-Country Club & El Norte - 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	3.5674	38.4490	22.8433	0.0469		1.8166	1.8166		1.6713	1.6713		4,722.8544	4,722.8544	1.4703		4,759.6116
Paving	3.9209					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	7.4883	38.4490	22.8433	0.0469		1.8166	1.8166		1.6713	1.6713		4,722.8544	4,722.8544	1.4703		4,759.6116

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3.6 Paving-Country Club & El Norte - 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	0.1250	0.0895	0.8443	2.2000e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		219.0051	219.0051	7.5900e-003		219.1948
Total	0.1250	0.0895	0.8443	2.2000e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		219.0051	219.0051	7.5900e-003		219.1948

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	3.5674	38.4490	22.8433	0.0469		1.8166	1.8166		1.6713	1.6713	0.0000	4,722.8544	4,722.8544	1.4703		4,759.6116
Paving	3.9209					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	7.4883	38.4490	22.8433	0.0469		1.8166	1.8166		1.6713	1.6713	0.0000	4,722.8544	4,722.8544	1.4703		4,759.6116

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

3.6 Paving-Country Club & El Norte - 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	0.1250	0.0895	0.8443	2.2000e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		219.0051	219.0051	7.5900e-003		219.1948
Total	0.1250	0.0895	0.8443	2.2000e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		219.0051	219.0051	7.5900e-003		219.1948

3.7 Import-Phase 2 - 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					6.7631	0.0000	6.7631	3.3994	0.0000	3.3994			0.0000			0.0000
Off-Road	3.2494	36.9313	22.9546	0.0332		1.5477	1.5477		1.4239	1.4239		3,341.3681	3,341.3681	1.0402		3,367.3734
Total	3.2494	36.9313	22.9546	0.0332	6.7631	1.5477	8.3109	3.3994	1.4239	4.8233		3,341.3681	3,341.3681	1.0402		3,367.3734

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

3.7 Import-Phase 2 - 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	1.7656	60.2800	13.2255	0.1483	3.2766	0.2401	3.5168	0.8980	0.2298	1.1277		16,130.39 20	16,130.39 20	1.5001		16,167.89 36
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	1.8522	60.3420	13.8101	0.1498	3.4245	0.2412	3.6657	0.9372	0.2307	1.1679		16,282.01 09	16,282.01 09	1.5053		16,319.64 39

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					2.6376	0.0000	2.6376	1.3258	0.0000	1.3258			0.0000			0.0000
Off-Road	3.2494	36.9313	22.9546	0.0332		1.5477	1.5477		1.4239	1.4239	0.0000	3,341.368 1	3,341.368 1	1.0402		3,367.373 4
Total	3.2494	36.9313	22.9546	0.0332	2.6376	1.5477	4.1854	1.3258	1.4239	2.7497	0.0000	3,341.368 1	3,341.368 1	1.0402		3,367.373 4

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

3.7 Import-Phase 2 - 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	1.7656	60.2800	13.2255	0.1483	3.2766	0.2401	3.5168	0.8980	0.2298	1.1277		16,130.39 20	16,130.39 20	1.5001		16,167.89 36
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	1.8522	60.3420	13.8101	0.1498	3.4245	0.2412	3.6657	0.9372	0.2307	1.1679		16,282.01 09	16,282.01 09	1.5053		16,319.64 39

3.8 Trenching DU-Phase 1 - 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	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201		2,369.566 2	2,369.566 2	0.7377		2,388.008 2
Total	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201		2,369.566 2	2,369.566 2	0.7377		2,388.008 2

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

3.8 Trenching DU-Phase 1 - 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	0.0673	0.0482	0.4546	1.1800e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		117.9258	117.9258	4.0900e-003		118.0280
Total	0.0673	0.0482	0.4546	1.1800e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		117.9258	117.9258	4.0900e-003		118.0280

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	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201	0.0000	2,369.5662	2,369.5662	0.7377		2,388.0082
Total	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201	0.0000	2,369.5662	2,369.5662	0.7377		2,388.0082

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3.8 Trenching DU-Phase 1 - 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	0.0673	0.0482	0.4546	1.1800e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		117.9258	117.9258	4.0900e-003		118.0280
Total	0.0673	0.0482	0.4546	1.1800e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		117.9258	117.9258	4.0900e-003		118.0280

3.9 Trenching WU-Phase 2 - 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	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631		5,751.6590	5,751.6590	1.7906		5,796.4233
Total	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631		5,751.6590	5,751.6590	1.7906		5,796.4233

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

3.9 Trenching WU-Phase 2 - 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	0.1250	0.0895	0.8443	2.2000e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		219.0051	219.0051	7.5900e-003		219.1948
Total	0.1250	0.0895	0.8443	2.2000e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		219.0051	219.0051	7.5900e-003		219.1948

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	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631	0.0000	5,751.6590	5,751.6590	1.7906		5,796.4233
Total	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631	0.0000	5,751.6590	5,751.6590	1.7906		5,796.4233

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

3.9 Trenching WU-Phase 2 - 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	0.1250	0.0895	0.8443	2.2000e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		219.0051	219.0051	7.5900e-003		219.1948
Total	0.1250	0.0895	0.8443	2.2000e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		219.0051	219.0051	7.5900e-003		219.1948

3.10 Grading-Phase 3 - 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					21.5887	0.0000	21.5887	7.6510	0.0000	7.6510			0.0000			0.0000
Off-Road	22.8440	307.3859	139.4016	0.3494		10.3429	10.3429		9.5155	9.5155		35,155.5627	35,155.5627	10.9444		35,429.1728
Total	22.8440	307.3859	139.4016	0.3494	21.5887	10.3429	31.9316	7.6510	9.5155	17.1665		35,155.5627	35,155.5627	10.9444		35,429.1728

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3.10 Grading-Phase 3 - 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	0.2693	0.1928	1.8185	4.7400e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		471.7033	471.7033	0.0164		472.1119
Total	0.2693	0.1928	1.8185	4.7400e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		471.7033	471.7033	0.0164		472.1119

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					8.4196	0.0000	8.4196	2.9839	0.0000	2.9839			0.0000			0.0000
Off-Road	22.8440	307.3859	139.4016	0.3494		10.3429	10.3429		9.5155	9.5155	0.0000	35,155.5627	35,155.5627	10.9444		35,429.1728
Total	22.8440	307.3859	139.4016	0.3494	8.4196	10.3429	18.7625	2.9839	9.5155	12.4994	0.0000	35,155.5627	35,155.5627	10.9444		35,429.1728

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3.10 Grading-Phase 3 - 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	0.2693	0.1928	1.8185	4.7400e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		471.7033	471.7033	0.0164		472.1119
Total	0.2693	0.1928	1.8185	4.7400e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		471.7033	471.7033	0.0164		472.1119

3.11 Surface Improvements-Phase 1 - 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	4.8467	58.1728	33.9087	0.0621		2.4886	2.4886		2.2895	2.2895		6,245.7002	6,245.7002	1.9444		6,294.3095
Paving	4.0142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	8.8609	58.1728	33.9087	0.0621		2.4886	2.4886		2.2895	2.2895		6,245.7002	6,245.7002	1.9444		6,294.3095

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3.11 Surface Improvements-Phase 1 - 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	0.0215	0.5279	0.1544	1.0900e-003	0.0271	4.1900e-003	0.0313	7.8000e-003	4.0100e-003	0.0118		116.2792	116.2792	0.0101		116.5307
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	0.1177	0.5968	0.8039	2.7800e-003	0.1914	5.3700e-003	0.1968	0.0514	5.1000e-003	0.0565		284.7446	284.7446	0.0159		285.1421

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	4.8467	58.1728	33.9087	0.0621		2.4886	2.4886		2.2895	2.2895	0.0000	6,245.7002	6,245.7002	1.9444		6,294.3095
Paving	4.0142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	8.8609	58.1728	33.9087	0.0621		2.4886	2.4886		2.2895	2.2895	0.0000	6,245.7002	6,245.7002	1.9444		6,294.3095

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3.11 Surface Improvements-Phase 1 - 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	0.0215	0.5279	0.1544	1.0900e-003	0.0271	4.1900e-003	0.0313	7.8000e-003	4.0100e-003	0.0118		116.2792	116.2792	0.0101		116.5307
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	0.1177	0.5968	0.8039	2.7800e-003	0.1914	5.3700e-003	0.1968	0.0514	5.1000e-003	0.0565		284.7446	284.7446	0.0159		285.1421

3.12 Paving-Country Club & Nutmeg - 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	3.5674	38.4490	22.8433	0.0469		1.8166	1.8166		1.6713	1.6713		4,722.8544	4,722.8544	1.4703		4,759.6116
Paving	4.4368					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	8.0042	38.4490	22.8433	0.0469		1.8166	1.8166		1.6713	1.6713		4,722.8544	4,722.8544	1.4703		4,759.6116

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3.12 Paving-Country Club & Nutmeg - 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	0.1250	0.0895	0.8443	2.2000e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		219.0051	219.0051	7.5900e-003		219.1948
Total	0.1250	0.0895	0.8443	2.2000e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		219.0051	219.0051	7.5900e-003		219.1948

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	3.5674	38.4490	22.8433	0.0469		1.8166	1.8166		1.6713	1.6713	0.0000	4,722.8544	4,722.8544	1.4703		4,759.6116
Paving	4.4368					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	8.0042	38.4490	22.8433	0.0469		1.8166	1.8166		1.6713	1.6713	0.0000	4,722.8544	4,722.8544	1.4703		4,759.6116

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

3.12 Paving-Country Club & Nutmeg - 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	0.1250	0.0895	0.8443	2.2000e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		219.0051	219.0051	7.5900e-003		219.1948
Total	0.1250	0.0895	0.8443	2.2000e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		219.0051	219.0051	7.5900e-003		219.1948

3.13 Grading-Phase 4 - 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					21.5887	0.0000	21.5887	7.6510	0.0000	7.6510			0.0000			0.0000
Off-Road	22.8440	307.3859	139.4016	0.3494		10.3429	10.3429		9.5155	9.5155		35,155.5627	35,155.5627	10.9444		35,429.1728
Total	22.8440	307.3859	139.4016	0.3494	21.5887	10.3429	31.9316	7.6510	9.5155	17.1665		35,155.5627	35,155.5627	10.9444		35,429.1728

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

3.13 Grading-Phase 4 - 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	0.2693	0.1928	1.8185	4.7400e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		471.7033	471.7033	0.0164		472.1119
Total	0.2693	0.1928	1.8185	4.7400e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		471.7033	471.7033	0.0164		472.1119

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					8.4196	0.0000	8.4196	2.9839	0.0000	2.9839			0.0000			0.0000
Off-Road	22.8440	307.3859	139.4016	0.3494		10.3429	10.3429		9.5155	9.5155	0.0000	35,155.5627	35,155.5627	10.9444		35,429.1728
Total	22.8440	307.3859	139.4016	0.3494	8.4196	10.3429	18.7625	2.9839	9.5155	12.4994	0.0000	35,155.5627	35,155.5627	10.9444		35,429.1728

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

3.13 Grading-Phase 4 - 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	0.2693	0.1928	1.8185	4.7400e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		471.7033	471.7033	0.0164		472.1119
Total	0.2693	0.1928	1.8185	4.7400e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		471.7033	471.7033	0.0164		472.1119

3.14 Import-Phase 3 - 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					6.7631	0.0000	6.7631	3.3994	0.0000	3.3994			0.0000			0.0000
Off-Road	3.2494	36.9313	22.9546	0.0332		1.5477	1.5477		1.4239	1.4239		3,341.3681	3,341.3681	1.0402		3,367.3734
Total	3.2494	36.9313	22.9546	0.0332	6.7631	1.5477	8.3109	3.3994	1.4239	4.8233		3,341.3681	3,341.3681	1.0402		3,367.3734

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

3.14 Import-Phase 3 - 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	1.7658	60.2851	13.2267	0.1483	3.2769	0.2402	3.5170	0.8981	0.2298	1.1278		16,131.7407	16,131.7407	1.5002		16,169.2454
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	1.8523	60.3470	13.8112	0.1499	3.4248	0.2412	3.6660	0.9373	0.2308	1.1680		16,283.3596	16,283.3596	1.5054		16,320.9956

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					2.6376	0.0000	2.6376	1.3258	0.0000	1.3258			0.0000			0.0000
Off-Road	3.2494	36.9313	22.9546	0.0332		1.5477	1.5477		1.4239	1.4239	0.0000	3,341.3681	3,341.3681	1.0402		3,367.3734
Total	3.2494	36.9313	22.9546	0.0332	2.6376	1.5477	4.1854	1.3258	1.4239	2.7497	0.0000	3,341.3681	3,341.3681	1.0402		3,367.3734

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

3.14 Import-Phase 3 - 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	1.7658	60.2851	13.2267	0.1483	3.2769	0.2402	3.5170	0.8981	0.2298	1.1278		16,131.7407	16,131.7407	1.5002		16,169.2454
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	1.8523	60.3470	13.8112	0.1499	3.4248	0.2412	3.6660	0.9373	0.2308	1.1680		16,283.3596	16,283.3596	1.5054		16,320.9956

3.15 Trenching DU-Phase 2 - 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	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201		2,369.5662	2,369.5662	0.7377		2,388.0082
Total	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201		2,369.5662	2,369.5662	0.7377		2,388.0082

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

3.15 Trenching DU-Phase 2 - 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	0.0673	0.0482	0.4546	1.1800e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		117.9258	117.9258	4.0900e-003		118.0280
Total	0.0673	0.0482	0.4546	1.1800e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		117.9258	117.9258	4.0900e-003		118.0280

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	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201	0.0000	2,369.5662	2,369.5662	0.7377		2,388.0082
Total	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201	0.0000	2,369.5662	2,369.5662	0.7377		2,388.0082

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

3.15 Trenching DU-Phase 2 - 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	0.0673	0.0482	0.4546	1.1800e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		117.9258	117.9258	4.0900e-003		118.0280
Total	0.0673	0.0482	0.4546	1.1800e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		117.9258	117.9258	4.0900e-003		118.0280

3.16 Import-Phase 4 - 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					6.7631	0.0000	6.7631	3.3994	0.0000	3.3994			0.0000			0.0000
Off-Road	3.7061	41.5567	25.0233	0.0397		1.7371	1.7371		1.5981	1.5981		3,994.9995	3,994.9995	1.2437		4,026.0920
Total	3.7061	41.5567	25.0233	0.0397	6.7631	1.7371	8.5002	3.3994	1.5981	4.9975		3,994.9995	3,994.9995	1.2437		4,026.0920

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3.16 Import-Phase 4 - 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	1.7655	60.2766	13.2248	0.1483	3.2764	0.2401	3.5166	0.8979	0.2297	1.1277		16,129.4769	16,129.4769	1.5000		16,166.9763
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	0.0962	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	1.8617	60.3455	13.8742	0.1500	3.4407	0.2413	3.6820	0.9415	0.2308	1.1723		16,297.9423	16,297.9423	1.5058		16,335.5877

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					2.6376	0.0000	2.6376	1.3258	0.0000	1.3258			0.0000			0.0000
Off-Road	3.7061	41.5567	25.0233	0.0397		1.7371	1.7371		1.5981	1.5981	0.0000	3,994.9995	3,994.9995	1.2437		4,026.0920
Total	3.7061	41.5567	25.0233	0.0397	2.6376	1.7371	4.3747	1.3258	1.5981	2.9239	0.0000	3,994.9995	3,994.9995	1.2437		4,026.0920

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3.16 Import-Phase 4 - 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	1.7655	60.2766	13.2248	0.1483	3.2764	0.2401	3.5166	0.8979	0.2297	1.1277		16,129.4769	16,129.4769	1.5000		16,166.9763
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	0.0962	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	1.8617	60.3455	13.8742	0.1500	3.4407	0.2413	3.6820	0.9415	0.2308	1.1723		16,297.9423	16,297.9423	1.5058		16,335.5877

3.17 Trenching WU-Phase 3 - 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	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631		5,751.6590	5,751.6590	1.7906		5,796.4233
Total	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631		5,751.6590	5,751.6590	1.7906		5,796.4233

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3.17 Trenching WU-Phase 3 - 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	0.1250	0.0895	0.8443	2.2000e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		219.0051	219.0051	7.5900e-003		219.1948
Total	0.1250	0.0895	0.8443	2.2000e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		219.0051	219.0051	7.5900e-003		219.1948

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	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631	0.0000	5,751.6590	5,751.6590	1.7906		5,796.4233
Total	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631	0.0000	5,751.6590	5,751.6590	1.7906		5,796.4233

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

3.17 Trenching WU-Phase 3 - 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	0.1250	0.0895	0.8443	2.2000e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		219.0051	219.0051	7.5900e-003		219.1948
Total	0.1250	0.0895	0.8443	2.2000e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		219.0051	219.0051	7.5900e-003		219.1948

3.18 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	2.8506	25.2288	18.7719	0.0288		1.6066	1.6066		1.5082	1.5082		2,810.8008	2,810.8008	0.7012		2,828.3317
Total	2.8506	25.2288	18.7719	0.0288		1.6066	1.6066		1.5082	1.5082		2,810.8008	2,810.8008	0.7012		2,828.3317

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

3.18 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
Vendor	0.2903	7.1268	2.0845	0.0147	0.3656	0.0566	0.4221	0.1052	0.0541	0.1594		1,569.768 9	1,569.768 9	0.1358		1,573.164 8
Worker	0.8751	0.6266	5.9100	0.0154	1.4951	0.0108	1.5059	0.3966	9.9300e-003	0.4065		1,533.035 7	1,533.035 7	0.0531		1,534.363 8
Total	1.1654	7.7534	7.9945	0.0301	1.8607	0.0673	1.9280	0.5018	0.0641	0.5658		3,102.804 5	3,102.804 5	0.1890		3,107.528 6

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	2.8506	25.2288	18.7719	0.0288		1.6066	1.6066		1.5082	1.5082	0.0000	2,810.800 8	2,810.800 8	0.7012		2,828.331 7
Total	2.8506	25.2288	18.7719	0.0288		1.6066	1.6066		1.5082	1.5082	0.0000	2,810.800 8	2,810.800 8	0.7012		2,828.331 7

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

3.18 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
Vendor	0.2903	7.1268	2.0845	0.0147	0.3656	0.0566	0.4221	0.1052	0.0541	0.1594		1,569.768 9	1,569.768 9	0.1358		1,573.164 8
Worker	0.8751	0.6266	5.9100	0.0154	1.4951	0.0108	1.5059	0.3966	9.9300e-003	0.4065		1,533.035 7	1,533.035 7	0.0531		1,534.363 8
Total	1.1654	7.7534	7.9945	0.0301	1.8607	0.0673	1.9280	0.5018	0.0641	0.5658		3,102.804 5	3,102.804 5	0.1890		3,107.528 6

3.18 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	2.5115	22.7062	18.3139	0.0288		1.3802	1.3802		1.2958	1.2958		2,778.309 7	2,778.309 7	0.6904		2,795.570 0
Total	2.5115	22.7062	18.3139	0.0288		1.3802	1.3802		1.2958	1.2958		2,778.309 7	2,778.309 7	0.6904		2,795.570 0

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2592	6.7007	1.9165	0.0145	0.3656	0.0474	0.4130	0.1052	0.0454	0.1506		1,557.9014	1,557.9014	0.1313		1,561.1835
Worker	0.8082	0.5601	5.3216	0.0149	1.4951	0.0107	1.5057	0.3966	9.8200e-003	0.4064		1,486.7830	1,486.7830	0.0480		1,487.9824
Total	1.0675	7.2608	7.2380	0.0295	1.8607	0.0581	1.9187	0.5018	0.0552	0.5570		3,044.6844	3,044.6844	0.1793		3,049.1659

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	2.5115	22.7062	18.3139	0.0288		1.3802	1.3802		1.2958	1.2958	0.0000	2,778.3097	2,778.3097	0.6904		2,795.5700
Total	2.5115	22.7062	18.3139	0.0288		1.3802	1.3802		1.2958	1.2958	0.0000	2,778.3097	2,778.3097	0.6904		2,795.5700

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2592	6.7007	1.9165	0.0145	0.3656	0.0474	0.4130	0.1052	0.0454	0.1506		1,557.9014	1,557.9014	0.1313		1,561.1835
Worker	0.8082	0.5601	5.3216	0.0149	1.4951	0.0107	1.5057	0.3966	9.8200e-003	0.4064		1,486.7830	1,486.7830	0.0480		1,487.9824
Total	1.0675	7.2608	7.2380	0.0295	1.8607	0.0581	1.9187	0.5018	0.0552	0.5570		3,044.6844	3,044.6844	0.1793		3,049.1659

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2551	20.6494	17.9678	0.0288		1.1948	1.1948		1.1218	1.1218		2,735.6999	2,735.6999	0.6819		2,752.7481
Total	2.2551	20.6494	17.9678	0.0288		1.1948	1.1948		1.1218	1.1218		2,735.6999	2,735.6999	0.6819		2,752.7481

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2113	6.0840	1.7215	0.0144	0.3656	0.0304	0.3959	0.1052	0.0290	0.1343		1,546.8960	1,546.8960	0.1245		1,550.0078
Worker	0.7564	0.5052	4.8639	0.0145	1.4951	0.0105	1.5056	0.3966	9.6700e-003	0.4062		1,439.8602	1,439.8602	0.0434		1,440.9439
Total	0.9677	6.5893	6.5854	0.0289	1.8607	0.0409	1.9015	0.5018	0.0387	0.5405		2,986.7561	2,986.7561	0.1678		2,990.9517

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2551	20.6494	17.9678	0.0288		1.1948	1.1948		1.1218	1.1218	0.0000	2,735.6999	2,735.6999	0.6819		2,752.7481
Total	2.2551	20.6494	17.9678	0.0288		1.1948	1.1948		1.1218	1.1218	0.0000	2,735.6999	2,735.6999	0.6819		2,752.7481

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3.18 Building Construction - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2113	6.0840	1.7215	0.0144	0.3656	0.0304	0.3959	0.1052	0.0290	0.1343		1,546.8960	1,546.8960	0.1245		1,550.0078
Worker	0.7564	0.5052	4.8639	0.0145	1.4951	0.0105	1.5056	0.3966	9.6700e-003	0.4062		1,439.8602	1,439.8602	0.0434		1,440.9439
Total	0.9677	6.5893	6.5854	0.0289	1.8607	0.0409	1.9015	0.5018	0.0387	0.5405		2,986.7561	2,986.7561	0.1678		2,990.9517

3.18 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	2.0228	18.7492	17.6706	0.0288		1.0251	1.0251		0.9625	0.9625		2,736.0438	2,736.0438	0.6751		2,752.9212
Total	2.0228	18.7492	17.6706	0.0288		1.0251	1.0251		0.9625	0.9625		2,736.0438	2,736.0438	0.6751		2,752.9212

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1721	5.4842	1.5603	0.0143	0.3656	0.0120	0.3776	0.1052	0.0115	0.1167		1,532.624 2	1,532.624 2	0.1194		1,535.609 1
Worker	0.7139	0.4591	4.5377	0.0140	1.4951	0.0103	1.5054	0.3966	9.5100e-003	0.4061		1,391.476 6	1,391.476 6	0.0400		1,392.476 0
Total	0.8860	5.9433	6.0980	0.0282	1.8607	0.0224	1.8830	0.5018	0.0210	0.5228		2,924.100 8	2,924.100 8	0.1594		2,928.085 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					
Off-Road	2.0228	18.7492	17.6706	0.0288		1.0251	1.0251		0.9625	0.9625	0.0000	2,736.043 8	2,736.043 8	0.6751		2,752.921 2
Total	2.0228	18.7492	17.6706	0.0288		1.0251	1.0251		0.9625	0.9625	0.0000	2,736.043 8	2,736.043 8	0.6751		2,752.921 2

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1721	5.4842	1.5603	0.0143	0.3656	0.0120	0.3776	0.1052	0.0115	0.1167		1,532.624 2	1,532.624 2	0.1194		1,535.609 1
Worker	0.7139	0.4591	4.5377	0.0140	1.4951	0.0103	1.5054	0.3966	9.5100e-003	0.4061		1,391.476 6	1,391.476 6	0.0400		1,392.476 0
Total	0.8860	5.9433	6.0980	0.0282	1.8607	0.0224	1.8830	0.5018	0.0210	0.5228		2,924.100 8	2,924.100 8	0.1594		2,928.085 1

3.18 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8146	16.7670	17.4392	0.0288		0.8645	0.8645		0.8122	0.8122		2,737.152 0	2,737.152 0	0.6711		2,753.928 8
Total	1.8146	16.7670	17.4392	0.0288		0.8645	0.8645		0.8122	0.8122		2,737.152 0	2,737.152 0	0.6711		2,753.928 8

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3.18 Building Construction - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1601	5.1790	1.4773	0.0141	0.3656	0.0104	0.3759	0.1052	9.9000e-003	0.1151		1,517.9541	1,517.9541	0.1156		1,520.8437
Worker	0.6765	0.4185	4.2106	0.0135	1.4951	0.0101	1.5052	0.3966	9.3000e-003	0.4059		1,340.4766	1,340.4766	0.0366		1,341.3916
Total	0.8366	5.5975	5.6879	0.0275	1.8607	0.0205	1.8811	0.5018	0.0192	0.5210		2,858.4307	2,858.4307	0.1522		2,862.2353

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	1.8146	16.7670	17.4392	0.0288		0.8645	0.8645		0.8122	0.8122	0.0000	2,737.1520	2,737.1520	0.6711		2,753.9288
Total	1.8146	16.7670	17.4392	0.0288		0.8645	0.8645		0.8122	0.8122	0.0000	2,737.1520	2,737.1520	0.6711		2,753.9288

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3.18 Building Construction - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1601	5.1790	1.4773	0.0141	0.3656	0.0104	0.3759	0.1052	9.9000e-003	0.1151		1,517.9541	1,517.9541	0.1156		1,520.8437
Worker	0.6765	0.4185	4.2106	0.0135	1.4951	0.0101	1.5052	0.3966	9.3000e-003	0.4059		1,340.4766	1,340.4766	0.0366		1,341.3916
Total	0.8366	5.5975	5.6879	0.0275	1.8607	0.0205	1.8811	0.5018	0.0192	0.5210		2,858.4307	2,858.4307	0.1522		2,862.2353

3.19 Paving-El Norte & Nutmeg - 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	3.5261	37.0742	24.9804	0.0458		1.8600	1.8600		1.7112	1.7112		4,607.8416	4,607.8416	1.4345		4,643.7037
Paving	4.3230					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	7.8491	37.0742	24.9804	0.0458		1.8600	1.8600		1.7112	1.7112		4,607.8416	4,607.8416	1.4345		4,643.7037

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

3.19 Paving-El Norte & Nutmeg - 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	0.1443	0.1033	0.9742	2.5400e-003	0.2464	1.7700e-003	0.2482	0.0654	1.6400e-003	0.0670		252.6982	252.6982	8.7600e-003		252.9171
Total	0.1443	0.1033	0.9742	2.5400e-003	0.2464	1.7700e-003	0.2482	0.0654	1.6400e-003	0.0670		252.6982	252.6982	8.7600e-003		252.9171

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	3.5261	37.0742	24.9804	0.0458		1.8600	1.8600		1.7112	1.7112	0.0000	4,607.8416	4,607.8416	1.4345		4,643.7037
Paving	4.3230					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	7.8491	37.0742	24.9804	0.0458		1.8600	1.8600		1.7112	1.7112	0.0000	4,607.8416	4,607.8416	1.4345		4,643.7037

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

3.19 Paving-El Norte & Nutmeg - 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	0.1443	0.1033	0.9742	2.5400e-003	0.2464	1.7700e-003	0.2482	0.0654	1.6400e-003	0.0670		252.6982	252.6982	8.7600e-003		252.9171
Total	0.1443	0.1033	0.9742	2.5400e-003	0.2464	1.7700e-003	0.2482	0.0654	1.6400e-003	0.0670		252.6982	252.6982	8.7600e-003		252.9171

3.20 Surface Improvements-Phase 2 - 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	5.3033	62.7982	35.9774	0.0686		2.6779	2.6779		2.4637	2.4637		6,899.3317	6,899.3317	2.1479		6,953.0281
Paving	6.0213					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	11.3247	62.7982	35.9774	0.0686		2.6779	2.6779		2.4637	2.4637		6,899.3317	6,899.3317	2.1479		6,953.0281

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

3.20 Surface Improvements-Phase 2 - 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	0.0215	0.5279	0.1544	1.0900e-003	0.0271	4.1900e-003	0.0313	7.8000e-003	4.0100e-003	0.0118		116.2792	116.2792	0.0101		116.5307
Worker	0.1154	0.0826	0.7793	2.0300e-003	0.1972	1.4200e-003	0.1986	0.0523	1.3100e-003	0.0536		202.1586	202.1586	7.0100e-003		202.3337
Total	0.1369	0.6105	0.9337	3.1200e-003	0.2242	5.6100e-003	0.2298	0.0601	5.3200e-003	0.0654		318.4377	318.4377	0.0171		318.8644

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	5.3033	62.7982	35.9774	0.0686		2.6779	2.6779		2.4637	2.4637	0.0000	6,899.3317	6,899.3317	2.1479		6,953.0281
Paving	6.0213					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	11.3247	62.7982	35.9774	0.0686		2.6779	2.6779		2.4637	2.4637	0.0000	6,899.3317	6,899.3317	2.1479		6,953.0281

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

3.20 Surface Improvements-Phase 2 - 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	0.0215	0.5279	0.1544	1.0900e-003	0.0271	4.1900e-003	0.0313	7.8000e-003	4.0100e-003	0.0118		116.2792	116.2792	0.0101		116.5307
Worker	0.1154	0.0826	0.7793	2.0300e-003	0.1972	1.4200e-003	0.1986	0.0523	1.3100e-003	0.0536		202.1586	202.1586	7.0100e-003		202.3337
Total	0.1369	0.6105	0.9337	3.1200e-003	0.2242	5.6100e-003	0.2298	0.0601	5.3200e-003	0.0654		318.4377	318.4377	0.0171		318.8644

3.21 Trenching DU-Phase 3 - 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	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201		2,369.5662	2,369.5662	0.7377		2,388.0082
Total	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201		2,369.5662	2,369.5662	0.7377		2,388.0082

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

3.21 Trenching DU-Phase 3 - 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	0.0673	0.0482	0.4546	1.1800e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		117.9258	117.9258	4.0900e-003		118.0280
Total	0.0673	0.0482	0.4546	1.1800e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		117.9258	117.9258	4.0900e-003		118.0280

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	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201	0.0000	2,369.5662	2,369.5662	0.7377		2,388.0082
Total	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201	0.0000	2,369.5662	2,369.5662	0.7377		2,388.0082

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

3.21 Trenching DU-Phase 3 - 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	0.0673	0.0482	0.4546	1.1800e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		117.9258	117.9258	4.0900e-003		118.0280
Total	0.0673	0.0482	0.4546	1.1800e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		117.9258	117.9258	4.0900e-003		118.0280

3.22 Trenching WU-Phase 4 - 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	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631		5,751.6590	5,751.6590	1.7906		5,796.4233
Total	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631		5,751.6590	5,751.6590	1.7906		5,796.4233

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

3.22 Trenching WU-Phase 4 - 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	0.1250	0.0895	0.8443	2.2000e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		219.0051	219.0051	7.5900e-003		219.1948
Total	0.1250	0.0895	0.8443	2.2000e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		219.0051	219.0051	7.5900e-003		219.1948

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	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631	0.0000	5,751.6590	5,751.6590	1.7906		5,796.4233
Total	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631	0.0000	5,751.6590	5,751.6590	1.7906		5,796.4233

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

3.22 Trenching WU-Phase 4 - 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	0.1250	0.0895	0.8443	2.2000e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		219.0051	219.0051	7.5900e-003		219.1948
Total	0.1250	0.0895	0.8443	2.2000e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		219.0051	219.0051	7.5900e-003		219.1948

3.23 Surface Improvements-Phase 3 - 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	5.3033	62.7982	35.9774	0.0686		2.6779	2.6779		2.4637	2.4637		6,899.3317	6,899.3317	2.1479		6,953.0281
Paving	9.3665					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	14.6698	62.7982	35.9774	0.0686		2.6779	2.6779		2.4637	2.4637		6,899.3317	6,899.3317	2.1479		6,953.0281

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

3.23 Surface Improvements-Phase 3 - 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	0.0215	0.5279	0.1544	1.0900e-003	0.0271	4.1900e-003	0.0313	7.8000e-003	4.0100e-003	0.0118		116.2792	116.2792	0.0101		116.5307
Worker	0.1154	0.0826	0.7793	2.0300e-003	0.1972	1.4200e-003	0.1986	0.0523	1.3100e-003	0.0536		202.1586	202.1586	7.0100e-003		202.3337
Total	0.1369	0.6105	0.9337	3.1200e-003	0.2242	5.6100e-003	0.2298	0.0601	5.3200e-003	0.0654		318.4377	318.4377	0.0171		318.8644

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	5.3033	62.7982	35.9774	0.0686		2.6779	2.6779		2.4637	2.4637	0.0000	6,899.3317	6,899.3317	2.1479		6,953.0281
Paving	9.3665					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	14.6698	62.7982	35.9774	0.0686		2.6779	2.6779		2.4637	2.4637	0.0000	6,899.3317	6,899.3317	2.1479		6,953.0281

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

3.23 Surface Improvements-Phase 3 - 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	0.0215	0.5279	0.1544	1.0900e-003	0.0271	4.1900e-003	0.0313	7.8000e-003	4.0100e-003	0.0118		116.2792	116.2792	0.0101		116.5307
Worker	0.1154	0.0826	0.7793	2.0300e-003	0.1972	1.4200e-003	0.1986	0.0523	1.3100e-003	0.0536		202.1586	202.1586	7.0100e-003		202.3337
Total	0.1369	0.6105	0.9337	3.1200e-003	0.2242	5.6100e-003	0.2298	0.0601	5.3200e-003	0.0654		318.4377	318.4377	0.0171		318.8644

3.24 Trenching DU-Phase 4 - 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	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201		2,369.5662	2,369.5662	0.7377		2,388.0082
Total	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201		2,369.5662	2,369.5662	0.7377		2,388.0082

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

3.24 Trenching DU-Phase 4 - 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	0.0673	0.0482	0.4546	1.1800e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		117.9258	117.9258	4.0900e-003		118.0280
Total	0.0673	0.0482	0.4546	1.1800e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		117.9258	117.9258	4.0900e-003		118.0280

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	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201	0.0000	2,369.5662	2,369.5662	0.7377		2,388.0082
Total	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201	0.0000	2,369.5662	2,369.5662	0.7377		2,388.0082

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

3.24 Trenching DU-Phase 4 - 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	0.0673	0.0482	0.4546	1.1800e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		117.9258	117.9258	4.0900e-003		118.0280
Total	0.0673	0.0482	0.4546	1.1800e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		117.9258	117.9258	4.0900e-003		118.0280

3.24 Trenching DU-Phase 4 - 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	1.7737	17.2428	14.1265	0.0236		0.9512	0.9512		0.8751	0.8751		2,331.7128	2,331.7128	0.7377		2,350.1560
Total	1.7737	17.2428	14.1265	0.0236		0.9512	0.9512		0.8751	0.8751		2,331.7128	2,331.7128	0.7377		2,350.1560

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

3.24 Trenching DU-Phase 4 - 2019**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0622	0.0431	0.4094	1.1500e-003	0.1150	8.2000e-004	0.1158	0.0305	7.6000e-004	0.0313		114.3679	114.3679	3.6900e-003		114.4602
Total	0.0622	0.0431	0.4094	1.1500e-003	0.1150	8.2000e-004	0.1158	0.0305	7.6000e-004	0.0313		114.3679	114.3679	3.6900e-003		114.4602

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	1.7737	17.2428	14.1265	0.0236		0.9512	0.9512		0.8751	0.8751	0.0000	2,331.7128	2,331.7128	0.7377		2,350.1560
Total	1.7737	17.2428	14.1265	0.0236		0.9512	0.9512		0.8751	0.8751	0.0000	2,331.7128	2,331.7128	0.7377		2,350.1560

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3.24 Trenching DU-Phase 4 - 2019**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0622	0.0431	0.4094	1.1500e-003	0.1150	8.2000e-004	0.1158	0.0305	7.6000e-004	0.0313		114.3679	114.3679	3.6900e-003		114.4602
Total	0.0622	0.0431	0.4094	1.1500e-003	0.1150	8.2000e-004	0.1158	0.0305	7.6000e-004	0.0313		114.3679	114.3679	3.6900e-003		114.4602

3.25 Surface Improvements-Phase 4 - 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	4.8722	56.7355	33.9976	0.0685		2.3865	2.3865		2.1956	2.1956		6,784.5501	6,784.5501	2.1466		6,838.2141
Paving	7.6635					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	12.5357	56.7355	33.9976	0.0685		2.3865	2.3865		2.1956	2.1956		6,784.5501	6,784.5501	2.1466		6,838.2141

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3.25 Surface Improvements-Phase 4 - 2019**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0192	0.4964	0.1420	1.0800e-003	0.0271	3.5100e-003	0.0306	7.8000e-003	3.3600e-003	0.0112		115.4001	115.4001	9.7200e-003		115.6432
Worker	0.1066	0.0739	0.7017	1.9700e-003	0.1972	1.4100e-003	0.1986	0.0523	1.2900e-003	0.0536		196.0593	196.0593	6.3300e-003		196.2175
Total	0.1258	0.5702	0.8437	3.0500e-003	0.2242	4.9200e-003	0.2292	0.0601	4.6500e-003	0.0647		311.4594	311.4594	0.0161		311.8607

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	4.8722	56.7355	33.9976	0.0685		2.3865	2.3865		2.1956	2.1956	0.0000	6,784.5501	6,784.5501	2.1466		6,838.2141
Paving	7.6635					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	12.5357	56.7355	33.9976	0.0685		2.3865	2.3865		2.1956	2.1956	0.0000	6,784.5501	6,784.5501	2.1466		6,838.2141

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

3.25 Surface Improvements-Phase 4 - 2019**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0192	0.4964	0.1420	1.0800e-003	0.0271	3.5100e-003	0.0306	7.8000e-003	3.3600e-003	0.0112		115.4001	115.4001	9.7200e-003		115.6432
Worker	0.1066	0.0739	0.7017	1.9700e-003	0.1972	1.4100e-003	0.1986	0.0523	1.2900e-003	0.0536		196.0593	196.0593	6.3300e-003		196.2175
Total	0.1258	0.5702	0.8437	3.0500e-003	0.2242	4.9200e-003	0.2292	0.0601	4.6500e-003	0.0647		311.4594	311.4594	0.0161		311.8607

3.26 Architectural Coating - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	99.4776					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090		375.2641	375.2641	0.0244		375.8749
Total	99.7503	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090		375.2641	375.2641	0.0244		375.8749

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

3.26 Architectural Coating - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1338	0.0828	0.8329	2.6600e-003	0.2957	2.0000e-003	0.2977	0.0784	1.8400e-003	0.0803		265.1492	265.1492	7.2400e-003		265.3302
Total	0.1338	0.0828	0.8329	2.6600e-003	0.2957	2.0000e-003	0.2977	0.0784	1.8400e-003	0.0803		265.1492	265.1492	7.2400e-003		265.3302

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	99.4776					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090	0.0000	375.2641	375.2641	0.0244		375.8749
Total	99.7503	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090	0.0000	375.2641	375.2641	0.0244		375.8749

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

3.26 Architectural Coating - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1338	0.0828	0.8329	2.6600e-003	0.2957	2.0000e-003	0.2977	0.0784	1.8400e-003	0.0803		265.1492	265.1492	7.2400e-003		265.3302
Total	0.1338	0.0828	0.8329	2.6600e-003	0.2957	2.0000e-003	0.2977	0.0784	1.8400e-003	0.0803		265.1492	265.1492	7.2400e-003		265.3302

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

Improve Pedestrian Network

Provide Traffic Calming Measures

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.3396	24.4571	73.5842	0.2574	24.3084	0.2030	24.5114	6.4963	0.1890	6.6853		26,210.0254	26,210.0254	1.3584		26,243.9857
Unmitigated	6.4709	25.1337	76.4640	0.2702	25.5878	0.2123	25.8001	6.8382	0.1977	7.0359		27,503.3369	27,503.3369	1.4150		27,538.7123

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Condo/Townhouse	600.00	585.60	499.80	1,666,437	1,583,115
General Office Building	0.00	0.00	0.00		
Health Club	20.00	12.68	16.24	31,819	30,228
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Quality Restaurant	300.00	314.70	240.66	348,286	330,871
Recreational Swimming Pool	0.00	0.00	0.00		
Single Family Housing	3,320.00	3,456.12	3004.60	9,406,479	8,936,155
Supermarket	40.00	69.48	65.12	54,370	51,651
Total	4,280.00	4,438.58	3,826.42	11,507,390	10,932,020

4.3 Trip Type Information

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Condo/Townhouse	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Quality Restaurant	9.50	7.30	7.30	12.00	69.00	19.00	38	18	44
Recreational Swimming Pool	9.50	7.30	7.30	33.00	48.00	19.00	52	39	9
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
Supermarket	9.50	7.30	7.30	6.50	74.50	19.00	34	30	36

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Condo/Townhouse	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
General Office Building	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Health Club	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Other Asphalt Surfaces	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Parking Lot	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Quality Restaurant	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Recreational Swimming Pool	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Single Family Housing	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Supermarket	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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Exceed Title 24

Percent of Electricity Use Generated with Renewable 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	0.2354	2.0231	0.9409	0.0128		0.1626	0.1626		0.1626	0.1626		2,567.8379	2,567.8379	0.0492	0.0471	2,583.0973
NaturalGas Unmitigated	0.3347	2.8740	1.3169	0.0183		0.2313	0.2313		0.2313	0.2313		3,651.5311	3,651.5311	0.0700	0.0669	3,673.2303

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

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	2810.14	0.0303	0.2590	0.1102	1.6500e-003		0.0209	0.0209		0.0209	0.0209		330.6045	330.6045	6.3400e-003	6.0600e-003	332.5692
General Office Building	744.159	8.0300e-003	0.0730	0.0613	4.4000e-004		5.5400e-003	5.5400e-003		5.5400e-003	5.5400e-003		87.5481	87.5481	1.6800e-003	1.6100e-003	88.0684
Health Club	63.5068	6.8000e-004	6.2300e-003	5.2300e-003	4.0000e-005		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004		7.4714	7.4714	1.4000e-004	1.4000e-004	7.5158
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	1434.74	0.0155	0.1407	0.1182	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.7929	168.7929	3.2400e-003	3.0900e-003	169.7960
Recreational Swimming Pool	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
Single Family Housing	25916.5	0.2795	2.3884	1.0163	0.0153		0.1931	0.1931		0.1931	0.1931		3,049.0013	3,049.0013	0.0584	0.0559	3,067.1200
Supermarket	68.9589	7.4000e-004	6.7600e-003	5.6800e-003	4.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004		8.1128	8.1128	1.6000e-004	1.5000e-004	8.1610
Total		0.3347	2.8740	1.3169	0.0183		0.2313	0.2313		0.2313	0.2313		3,651.5311	3,651.5311	0.0700	0.0670	3,673.2303

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

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	2.03333	0.0219	0.1874	0.0797	1.2000e-003		0.0152	0.0152		0.0152	0.0152		239.2150	239.2150	4.5800e-003	4.3900e-003	240.6365
General Office Building	0.52829	5.7000e-003	0.0518	0.0435	3.1000e-004		3.9400e-003	3.9400e-003		3.9400e-003	3.9400e-003		62.1518	62.1518	1.1900e-003	1.1400e-003	62.5211
Health Club	0.0548054	5.9000e-004	5.3700e-003	4.5100e-003	3.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004		6.4477	6.4477	1.2000e-004	1.2000e-004	6.4860
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	1.32617	0.0143	0.1300	0.1092	7.8000e-004		9.8800e-003	9.8800e-003		9.8800e-003	9.8800e-003		156.0203	156.0203	2.9900e-003	2.8600e-003	156.9475
Recreational Swimming Pool	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
Single Family Housing	17.8248	0.1922	1.6427	0.6990	0.0105		0.1328	0.1328		0.1328	0.1328		2,097.0402	2,097.0402	0.0402	0.0385	2,109.5019
Supermarket	0.0591849	6.4000e-004	5.8000e-003	4.8700e-003	3.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		6.9629	6.9629	1.3000e-004	1.3000e-004	7.0043
Total		0.2354	2.0231	0.9409	0.0128		0.1626	0.1626		0.1626	0.1626		2,567.8379	2,567.8379	0.0492	0.0471	2,583.0973

6.0 Area Detail**6.1 Mitigation Measures Area**

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Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	23.2906	6.8757	35.1446	0.0432		0.7049	0.7049		0.7049	0.7049	0.0000	8,359.472 9	8,359.472 9	0.2153	0.1522	8,410.206 8
Unmitigated	29.1023	6.8757	35.1446	0.0432		0.7049	0.7049		0.7049	0.7049	0.0000	8,359.472 9	8,359.472 9	0.2153	0.1522	8,410.206 8

Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, 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	7.8557					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	19.5083					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.7609	6.5026	2.7671	0.0415		0.5257	0.5257		0.5257	0.5257	0.0000	8,301.1765	8,301.1765	0.1591	0.1522	8,350.5062
Landscaping	0.9773	0.3732	32.3775	1.7100e-003		0.1792	0.1792		0.1792	0.1792		58.2964	58.2964	0.0562		59.7005
Total	29.1023	6.8757	35.1446	0.0432		0.7049	0.7049		0.7049	0.7049	0.0000	8,359.4729	8,359.4729	0.2153	0.1522	8,410.2068

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6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.0441					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	19.5083					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.7609	6.5026	2.7671	0.0415		0.5257	0.5257		0.5257	0.5257	0.0000	8,301.176 5	8,301.176 5	0.1591	0.1522	8,350.506 2
Landscaping	0.9773	0.3732	32.3775	1.7100e-003		0.1792	0.1792		0.1792	0.1792		58.2964	58.2964	0.0562		59.7005
Total	23.2906	6.8757	35.1446	0.0432		0.7049	0.7049		0.7049	0.7049	0.0000	8,359.472 9	8,359.472 9	0.2153	0.1522	8,410.206 8

7.0 Water Detail**7.1 Mitigation Measures Water**

Use Reclaimed Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

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9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

CalEEMod Emissions Including Regulatory Measures, Project Design Features, and Mitigation Measures

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Escondido Villages Specific Plan Project

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	13.40	1000sqft	0.31	13,400.00	0
Other Asphalt Surfaces	63.00	Acre	63.00	2,744,280.00	0
Parking Lot	150.00	Space	1.35	60,000.00	0
City Park	57.11	Acre	57.11	2,487,711.60	0
Health Club	2.00	1000sqft	0.05	2,000.00	0
Quality Restaurant	3.00	1000sqft	0.07	3,000.00	0
Recreational Swimming Pool	2.50	1000sqft	0.06	2,500.00	0
Condo/Townhouse	60.00	Dwelling Unit	4.40	96,000.00	172
Single Family Housing	332.00	Dwelling Unit	27.61	743,800.00	950
Supermarket	1.00	1000sqft	0.02	1,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2023
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	500.76	CH4 Intensity (lb/MWhr)	0.02	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Based on applicant provided project schedule. SDG&E GHG emission factors adjusted for RPS in 2023.

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Land Use - Based on Escondido Villages Specific Plan Project.

Construction Phase - Based on ECC Phased schedule.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - PH 1 ECC AQ EquipmentList

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - PH 1 ECC AQ EquipmentList

Off-road Equipment - PH 1 ECC AQ EquipmentList

Off-road Equipment - PH 2 ECC AQ EquipmentList

Off-road Equipment - PH 3 ECC AQ EquipmentList

Off-road Equipment - PH 4 ECC AQ EquipmentList

Off-road Equipment - PH 2 ECC AQ EquipmentList

Off-road Equipment - PH 3 ECC AQ EquipmentList

Off-road Equipment - PH 4 ECC AQ EquipmentList

Off-road Equipment - Off-Site-ECC-AQ-EquipmentList

Off-road Equipment - Off-Site-ECC-AQ-EquipmentList

Off-road Equipment - Off-Site-ECC-AQ-EquipmentList

Off-road Equipment - PH 1 ECC AQ EquipmentList

Off-road Equipment - PH 2 ECC AQ EquipmentList

Off-road Equipment - PH 3 ECC AQ EquipmentList

Off-road Equipment - PH 4 ECC AQ EquipmentList

Off-road Equipment - PH 1 ECC AQ EquipmentList

Off-road Equipment - PH 2 ECC AQ EquipmentList

Off-road Equipment - PH 3 ECC AQ EquipmentList

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Off-road Equipment - PH 4 ECC AQ EquipmentList
Off-road Equipment - PH 1 ECC AQ EquipmentList

Off-road Equipment - PH 2 ECC AQ EquipmentList

Off-road Equipment - PH 3 ECC AQ EquipmentList

Off-road Equipment - PH 4 ECC AQ EquipmentList

Trips and VMT - CalEEMod defaults.

On-road Fugitive Dust - CalEEMod defaults.

Demolition - Based on square footage of existing golf course clubhouse and amenities.

Grading - PH 2 ECC AQ Equipmentlist, PH 3 ECC AQ EquipmentList, PH 4 ECC AQ EquipmentList

Architectural Coating - In accordance with SDAPCD Rule 67.0.1 and use of low-VOC coatings.

Vehicle Trips - Based on traffic impact assessment.

Vehicle Emission Factors - CalEEMod defaults.

Vehicle Emission Factors - CalEEMod defaults.

Vehicle Emission Factors - CalEEMod defaults.

Road Dust - CalEEMod defaults.

Woodstoves - Based on Escondido Village Specific Plan. No wood burning stoves or fireplaces will be installed.

Consumer Products - CalEEMod defaults.

Area Coating - CalEEMod defaults.

Landscape Equipment - CalEEMod defaults.

Energy Use - CalEEMod defaults.

Water And Wastewater - CalEEMod defaults.

Solid Waste - CalEEMod defaults.

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Land Use Change - Based on conversion of the existing golf course and open space/parks planned.

Construction Off-road Equipment Mitigation - At least Tier 3 included for all construction equipment.

Mobile Land Use Mitigation - 75% of the project streets and intersections have traffic calming measures per the SAP. The trail system connects project site with off-site amenities.

Mobile Commute Mitigation -

Area Mitigation - Only natural gas hearths will be installed. Architectural coatings in accordance with SDAPCD Rule 67.0.1.

Energy Mitigation - All residential electricity use will be offset by solar PV. The project will exceed the 2016 Title 24 standards by 15%.

Water Mitigation - Project will utilize recycled water for landscaping and park irrigation and low-flow fixtures.

Waste Mitigation - 50% solid waste diversion assumed in accordance with AB 939.

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[illegible]

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tblTripsAndVMT	WorkerTripNumber	13.00	14.00

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tblTripsAndVMT	WorkerTripNumber	25.00	26.00
tblTripsAndVMT	WorkerTripNumber	45.00	56.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	5.67	9.76
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	20.87	6.34
tblVehicleTrips	ST_TR	94.36	104.90
tblVehicleTrips	ST_TR	9.10	0.00
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	ST_TR	177.59	69.48
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	4.84	8.33
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	26.73	8.12
tblVehicleTrips	SU_TR	72.16	80.22
tblVehicleTrips	SU_TR	13.60	0.00
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	SU_TR	166.44	65.12
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	5.81	10.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	32.93	10.00
tblVehicleTrips	WD_TR	89.95	100.00
tblVehicleTrips	WD_TR	33.82	0.00
tblVehicleTrips	WD_TR	9.52	10.00
tblVehicleTrips	WD_TR	102.24	40.00
tblWoodstoves	NumberCatalytic	3.00	0.00

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tblWoodstoves	NumberCatalytic	16.60	0.00
tblWoodstoves	NumberNoncatalytic	3.00	0.00
tblWoodstoves	NumberNoncatalytic	16.60	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	3.7909	41.8118	20.7364	0.0550	2.4693	1.4825	3.9518	0.8985	1.3657	2.2642	0.0000	5,082.3667	5,082.3667	1.3221	0.0000	5,115.4179
2019	0.6009	4.6191	3.7639	8.5400e-003	0.2401	0.2177	0.4578	0.0649	0.2040	0.2688	0.0000	773.6447	773.6447	0.1268	0.0000	776.8134
2020	0.4103	3.5765	3.2060	7.6000e-003	0.2382	0.1618	0.4000	0.0644	0.1520	0.2164	0.0000	684.5943	684.5943	0.1005	0.0000	687.1077
2021	0.3683	3.2299	3.0925	7.4900e-003	0.2372	0.1367	0.3739	0.0641	0.1283	0.1924	0.0000	674.5316	674.5316	0.0984	0.0000	676.9907
2022	4.0623	2.8422	2.9701	7.2500e-003	0.2353	0.1134	0.3488	0.0636	0.1068	0.1704	0.0000	652.9275	652.9275	0.0929	0.0000	655.2508
Maximum	4.0623	41.8118	20.7364	0.0550	2.4693	1.4825	3.9518	0.8985	1.3657	2.2642	0.0000	5,082.3667	5,082.3667	1.3221	0.0000	5,115.4179

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2.1 Overall Construction**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	1.3404	10.6838	23.2682	0.0550	1.1909	0.1654	1.3563	0.4122	0.1601	0.5723	0.0000	5,082.3620	5,082.3620	1.3221	0.0000	5,115.4132
2019	0.4288	2.9674	3.5547	8.5400e-003	0.2401	0.1200	0.3601	0.0649	0.1132	0.1781	0.0000	773.6442	773.6442	0.1268	0.0000	776.8129
2020	0.2980	2.6080	2.9990	7.6000e-003	0.2382	0.1001	0.3383	0.0644	0.0945	0.1588	0.0000	684.5939	684.5939	0.1005	0.0000	687.1073
2021	0.2704	2.3552	2.9002	7.4900e-003	0.2372	0.0852	0.3225	0.0641	0.0804	0.1445	0.0000	674.5312	674.5312	0.0984	0.0000	676.9904
2022	3.9812	2.1017	2.7992	7.2500e-003	0.2353	0.0740	0.3094	0.0636	0.0701	0.1336	0.0000	652.9271	652.9271	0.0929	0.0000	655.2505
Maximum	3.9812	10.6838	23.2682	0.0550	1.1909	0.1654	1.3563	0.4122	0.1601	0.5723	0.0000	5,082.3620	5,082.3620	1.3221	0.0000	5,115.4132

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	31.56	63.06	-5.19	0.00	37.38	74.21	51.44	42.09	73.52	61.85	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-2-2018	4-1-2018	3.5967	0.6967
2	4-2-2018	7-1-2018	14.4158	2.6724
3	7-2-2018	10-1-2018	13.8414	2.6677
4	10-2-2018	1-1-2019	3.5256	1.1820
5	1-2-2019	4-1-2019	1.1397	0.7906
6	4-2-2019	7-1-2019	1.0847	0.7885

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7	7-2-2019	10-1-2019	1.0967	0.7973
8	10-2-2019	1-1-2020	1.1011	0.8020
9	1-2-2020	4-1-2020	0.9899	0.7218
10	4-2-2020	7-1-2020	0.9852	0.7171
11	7-2-2020	10-1-2020	0.9961	0.7250
12	10-2-2020	1-1-2021	0.9999	0.7291
13	1-2-2021	4-1-2021	0.8871	0.6476
14	4-2-2021	7-1-2021	0.8929	0.6506
15	7-2-2021	10-1-2021	0.9027	0.6578
16	10-2-2021	1-1-2022	0.9060	0.6614
17	1-2-2022	4-1-2022	0.8040	0.5902
18	4-2-2022	7-1-2022	0.8092	0.5930
19	7-2-2022	9-30-2022	1.9365	1.7203
		Highest	14.4158	2.6724

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2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.1131	0.3002	3.0274	1.8600e-003		0.0377	0.0377		0.0377	0.0377	0.0000	313.5184	313.5184	0.0105	5.6600e-003	315.4679
Energy	0.0611	0.5245	0.2403	3.3300e-003		0.0422	0.0422		0.0422	0.0422	0.0000	1,423.7613	1,423.7613	0.0443	0.0176	1,430.1218
Mobile	1.0940	4.3634	13.1261	0.0473	4.3363	0.0367	4.3730	1.1611	0.0342	1.1953	0.0000	4,370.1439	4,370.1439	0.2204	0.0000	4,375.6547
Waste						0.0000	0.0000		0.0000	0.0000	95.1013	0.0000	95.1013	5.6203	0.0000	235.6094
Water						0.0000	0.0000		0.0000	0.0000	9.2708	303.0267	312.2975	0.9643	0.0249	343.8265
Total	6.2681	5.1880	16.3939	0.0525	4.3363	0.1166	4.4529	1.1611	0.1140	1.2752	104.3721	6,410.4503	6,514.8224	6.8599	0.0482	6,700.6802

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2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.0525	0.3002	3.0274	1.8600e-003		0.0377	0.0377		0.0377	0.0377	0.0000	313.5184	313.5184	0.0105	5.6600e-003	315.4679
Energy	0.0430	0.3692	0.1717	2.3400e-003		0.0297	0.0297		0.0297	0.0297	0.0000	680.8144	680.8144	0.0184	9.8400e-003	684.2047
Mobile	1.0712	4.2465	12.6214	0.0451	4.1195	0.0351	4.1546	1.1031	0.0327	1.1357	0.0000	4,165.1764	4,165.1764	0.2115	0.0000	4,170.4638
Waste						0.0000	0.0000		0.0000	0.0000	47.5506	0.0000	47.5506	2.8102	0.0000	117.8047
Water						0.0000	0.0000		0.0000	0.0000	7.4166	238.8054	246.2221	0.7713	0.0199	271.4330
Total	5.1666	4.9159	15.8206	0.0493	4.1195	0.1024	4.2219	1.1031	0.1000	1.2031	54.9673	5,398.3147	5,453.2819	3.8218	0.0354	5,559.3741

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	17.57	5.25	3.50	6.13	5.00	12.14	5.19	5.00	12.30	5.65	47.34	15.79	16.29	44.29	26.56	17.03

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2.3 Vegetation**Vegetation**

	CO2e
Category	MT
Vegetation Land Change	-262.9100
Total	-262.9100

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition-Phase 1	Demolition	1/2/2018	3/5/2018	5	45	
2	Grading-Phase 1	Grading	3/6/2018	5/24/2018	5	58	
3	Trenching WU-Phase 1	Trenching	4/2/2018	7/25/2018	5	83	
4	Grading-Phase 2	Grading	5/14/2018	7/6/2018	5	40	
5	Paving-Country Club & El Norte	Paving	5/21/2018	7/18/2018	5	43	
6	Import-Phase 2	Site Preparation	6/11/2018	8/14/2018	5	47	
7	Trenching DU-Phase 1	Trenching	6/25/2018	8/13/2018	5	36	
8	Trenching WU-Phase 2	Trenching	6/25/2018	9/11/2018	5	57	
9	Grading-Phase 3	Grading	7/9/2018	8/10/2018	5	25	
10	Surface Improvements-Phase 1	Paving	7/16/2018	9/11/2018	5	42	
11	Paving-Country Club & Nutmeg	Paving	7/19/2018	9/10/2018	5	38	
12	Grading-Phase 4	Grading	8/13/2018	9/24/2018	5	31	
13	Import-Phase 3	Site Preparation	8/15/2018	9/10/2018	5	19	
14	Trenching DU-Phase 2	Trenching	8/27/2018	9/28/2018	5	25	
15	Import-Phase 4	Site Preparation	9/11/2018	11/23/2018	5	54	
16	Trenching WU-Phase 3	Trenching	9/12/2018	10/30/2018	5	35	
17	Building Construction	Building Construction	9/12/2018	12/13/2022	5	1110	
18	Paving-El Norte & Nutmeg	Paving	9/12/2018	11/5/2018	5	39	
19	Surface Improvements-Phase 2	Paving	9/17/2018	10/24/2018	5	28	
20	Trenching DU-Phase 3	Trenching	10/22/2018	11/9/2018	5	15	
21	Trenching WU-Phase 4	Trenching	10/29/2018	12/27/2018	5	44	
22	Surface Improvements-Phase 3	Paving	11/1/2018	11/26/2018	5	18	
23	Trenching DU-Phase 4	Trenching	12/17/2018	1/10/2019	5	19	
24	Surface Improvements-Phase 4	Paving	1/2/2019	1/31/2019	5	22	
25	Architectural Coating	Architectural Coating	8/31/2022	12/13/2022	5	75	

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Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 0****Acres of Paving: 64.35****Residential Indoor: 1,700,595; Residential Outdoor: 566,865; Non-Residential Indoor: 29,100; Non-Residential Outdoor: 9,700; Striped Parking Area: 168,257 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition-Phase 1	Crawler Tractors	1	8.00	328	0.40
Demolition-Phase 1	Off-Highway Trucks	1	8.00	200	0.38
Demolition-Phase 1	Other Construction Equipment	5	8.00	222	0.42
Grading-Phase 1	Graders	2	8.00	179	0.41
Grading-Phase 1	Off-Highway Trucks	1	8.00	200	0.38
Grading-Phase 1	Off-Highway Trucks	4	8.00	775	0.38
Grading-Phase 1	Rubber Tired Dozers	2	8.00	312	0.40
Grading-Phase 1	Rubber Tired Loaders	1	8.00	311	0.36
Grading-Phase 1	Scrapers	8	8.00	600	0.48
Trenching WU-Phase 1	Excavators	2	8.00	239	0.38
Trenching WU-Phase 1	Off-Highway Trucks	4	8.00	200	0.38
Trenching WU-Phase 1	Rubber Tired Loaders	2	8.00	164	0.36
Trenching WU-Phase 1	Rubber Tired Loaders	2	8.00	89	0.36
Grading-Phase 2	Graders	2	8.00	179	0.41
Grading-Phase 2	Off-Highway Trucks	1	8.00	200	0.38
Grading-Phase 2	Off-Highway Trucks	4	8.00	775	0.38
Grading-Phase 2	Rubber Tired Dozers	2	8.00	312	0.40
Grading-Phase 2	Rubber Tired Loaders	1	8.00	311	0.36
Grading-Phase 2	Scrapers	8	8.00	600	0.48

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Paving-Country Club & El Norte	Excavators	1	8.00	138	0.38
Paving-Country Club & El Norte	Graders	1	8.00	240	0.41
Paving-Country Club & El Norte	Off-Highway Trucks	1	8.00	200	0.38
Paving-Country Club & El Norte	Off-Highway Trucks	1	8.00	300	0.38
Paving-Country Club & El Norte	Pavers	1	8.00	173	0.42
Paving-Country Club & El Norte	Rollers	1	8.00	110	0.38
Paving-Country Club & El Norte	Rubber Tired Loaders	1	8.00	160	0.36
Paving-Country Club & El Norte	Rubber Tired Loaders	1	8.00	89	0.36
Import-Phase 2	Graders	1	8.00	179	0.41
Import-Phase 2	Rubber Tired Dozers	1	8.00	496	0.40
Import-Phase 2	Rubber Tired Loaders	1	8.00	311	0.36
Trenching DU-Phase 1	Off-Highway Trucks	1	8.00	200	0.38
Trenching DU-Phase 1	Rubber Tired Loaders	2	8.00	164	0.36
Trenching DU-Phase 1	Tractors/Loaders/Backhoes	2	8.00	108	0.37
Trenching WU-Phase 2	Excavators	2	8.00	239	0.38
Trenching WU-Phase 2	Off-Highway Trucks	4	8.00	200	0.38
Trenching WU-Phase 2	Rubber Tired Loaders	2	8.00	164	0.36
Trenching WU-Phase 2	Rubber Tired Loaders	2	8.00	89	0.36
Grading-Phase 3	Graders	2	8.00	179	0.41
Grading-Phase 3	Off-Highway Trucks	1	8.00	200	0.38
Grading-Phase 3	Off-Highway Trucks	4	8.00	775	0.38
Grading-Phase 3	Rubber Tired Dozers	2	8.00	312	0.40
Grading-Phase 3	Rubber Tired Loaders	1	8.00	311	0.36
Grading-Phase 3	Scrapers	8	8.00	600	0.48
Surface Improvements-Phase 1	Graders	2	8.00	179	0.41
Surface Improvements-Phase 1	Pavers	1	8.00	121	0.42
Surface Improvements-Phase 1	Paving Equipment	1	8.00	173	0.36

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Surface Improvements-Phase 1	Rollers	1	8.00	100	0.38
Surface Improvements-Phase 1	Rubber Tired Loaders	1	8.00	89	0.36
Surface Improvements-Phase 1	Scrapers	2	8.00	407	0.48
Paving-Country Club & Nutmeg	Excavators	1	8.00	138	0.38
Paving-Country Club & Nutmeg	Graders	1	8.00	240	0.41
Paving-Country Club & Nutmeg	Off-Highway Trucks	1	8.00	200	0.38
Paving-Country Club & Nutmeg	Off-Highway Trucks	1	8.00	300	0.38
Paving-Country Club & Nutmeg	Pavers	1	8.00	173	0.42
Paving-Country Club & Nutmeg	Rollers	1	8.00	110	0.38
Paving-Country Club & Nutmeg	Rubber Tired Loaders	1	8.00	160	0.36
Paving-Country Club & Nutmeg	Rubber Tired Loaders	1	8.00	89	0.36
Grading-Phase 4	Graders	2	8.00	179	0.41
Grading-Phase 4	Off-Highway Trucks	1	8.00	200	0.38
Grading-Phase 4	Off-Highway Trucks	4	8.00	775	0.38
Grading-Phase 4	Rubber Tired Dozers	2	8.00	312	0.40
Grading-Phase 4	Rubber Tired Loaders	1	8.00	311	0.36
Grading-Phase 4	Scrapers	8	8.00	600	0.48
Import-Phase 3	Graders	1	8.00	179	0.41
Import-Phase 3	Rubber Tired Dozers	1	8.00	496	0.40
Import-Phase 3	Rubber Tired Loaders	1	8.00	311	0.36
Trenching DU-Phase 2	Off-Highway Trucks	1	8.00	200	0.38
Trenching DU-Phase 2	Rubber Tired Loaders	2	8.00	164	0.36
Trenching DU-Phase 2	Tractors/Loaders/Backhoes	2	8.00	108	0.37
Import-Phase 4	Graders	1	8.00	179	0.41
Import-Phase 4	Off-Highway Trucks	1	8.00	200	0.38
Import-Phase 4	Rubber Tired Dozers	1	8.00	496	0.40
Import-Phase 4	Rubber Tired Loaders	1	8.00	311	0.36

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Trenching WU-Phase 3	Excavators	2	8.00	239	0.38
Trenching WU-Phase 3	Off-Highway Trucks	4	8.00	200	0.38
Trenching WU-Phase 3	Rubber Tired Loaders	2	8.00	164	0.36
Trenching WU-Phase 3	Rubber Tired Loaders	2	8.00	89	0.36
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving-El Norte & Nutmeg	Excavators	1	8.00	138	0.38
Paving-El Norte & Nutmeg	Off-Highway Trucks	1	8.00	200	0.38
Paving-El Norte & Nutmeg	Off-Highway Trucks	1	8.00	300	0.38
Paving-El Norte & Nutmeg	Other Construction Equipment	3	8.00	148	0.42
Paving-El Norte & Nutmeg	Pavers	1	8.00	173	0.42
Paving-El Norte & Nutmeg	Rubber Tired Loaders	1	8.00	89	0.36
Surface Improvements-Phase 2	Graders	2	8.00	179	0.41
Surface Improvements-Phase 2	Off-Highway Trucks	1	8.00	200	0.38
Surface Improvements-Phase 2	Pavers	1	8.00	121	0.42
Surface Improvements-Phase 2	Paving Equipment	1	8.00	173	0.36
Surface Improvements-Phase 2	Rollers	1	8.00	100	0.38
Surface Improvements-Phase 2	Rubber Tired Loaders	1	8.00	89	0.36
Surface Improvements-Phase 2	Scrapers	2	8.00	407	0.48
Trenching DU-Phase 3	Off-Highway Trucks	1	8.00	200	0.38
Trenching DU-Phase 3	Rubber Tired Loaders	2	8.00	164	0.36
Trenching DU-Phase 3	Tractors/Loaders/Backhoes	2	8.00	108	0.37
Trenching WU-Phase 4	Excavators	2	8.00	239	0.38
Trenching WU-Phase 4	Off-Highway Trucks	4	8.00	200	0.38

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Trenching WU-Phase 4	Rubber Tired Loaders	2	8.00	164	0.36
Trenching WU-Phase 4	Rubber Tired Loaders	2	8.00	89	0.36
Surface Improvements-Phase 3	Graders	2	8.00	179	0.41
Surface Improvements-Phase 3	Off-Highway Trucks	1	8.00	200	0.38
Surface Improvements-Phase 3	Pavers	1	8.00	121	0.42
Surface Improvements-Phase 3	Paving Equipment	1	8.00	173	0.36
Surface Improvements-Phase 3	Rollers	1	8.00	100	0.38
Surface Improvements-Phase 3	Rubber Tired Loaders	1	8.00	89	0.36
Surface Improvements-Phase 3	Scrapers	2	8.00	407	0.48
Trenching DU-Phase 4	Off-Highway Trucks	1	8.00	200	0.38
Trenching DU-Phase 4	Rubber Tired Loaders	2	8.00	164	0.36
Trenching DU-Phase 4	Tractors/Loaders/Backhoes	2	8.00	108	0.37
Surface Improvements-Phase 4	Graders	2	8.00	179	0.41
Surface Improvements-Phase 4	Off-Highway Trucks	1	8.00	200	0.38
Surface Improvements-Phase 4	Pavers	1	8.00	121	0.42
Surface Improvements-Phase 4	Paving Equipment	1	8.00	173	0.36
Surface Improvements-Phase 4	Rollers	1	8.00	100	0.38
Surface Improvements-Phase 4	Rubber Tired Loaders	1	8.00	89	0.36
Surface Improvements-Phase 4	Scrapers	2	8.00	407	0.48
Architectural Coating	Air Compressors	1	8.00	78	0.48

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition-Phase 1	7	34.00	0.00	252.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading-Phase 1	18	56.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching WU-Phase 1	10	26.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading-Phase 2	18	56.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving-Country Club & El Norte	8	26.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Import-Phase 2	3	18.00	0.00	8,813.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching DU-Phase 1	5	14.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching WU-Phase 2	10	26.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading-Phase 3	18	56.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Surface Improvements-Phase 1	8	20.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving-Country Club & Nutmeg	8	26.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading-Phase 4	18	56.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Import-Phase 3	3	18.00	0.00	3,563.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching DU-Phase 2	5	14.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Import-Phase 4	4	20.00	0.00	10,125.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching WU-Phase 3	10	26.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	182.00	54.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving-El Norte & Nutmeg	8	30.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Surface Improvements-Phase 2	9	24.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching DU-Phase 3	5	14.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching WU-Phase 4	10	26.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Surface Improvements-Phase 3	9	24.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching DU-Phase 4	5	14.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Surface Improvements-Phase 4	9	24.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	36.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

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3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition-Phase 1 - 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	tons/yr										MT/yr					
Fugitive Dust					0.0276	0.0000	0.0276	4.1700e-003	0.0000	4.1700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0282	0.3318	0.1706	4.0000e-004		0.0131	0.0131		0.0120	0.0120	0.0000	36.6512	36.6512	0.0114	0.0000	36.9364
Total	0.0282	0.3318	0.1706	4.0000e-004	0.0276	0.0131	0.0406	4.1700e-003	0.0120	0.0162	0.0000	36.6512	36.6512	0.0114	0.0000	36.9364

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3.2 Demolition-Phase 1 - 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	tons/yr										MT/yr					
Hauling	1.1700e-003	0.0409	8.5300e-003	1.0000e-004	2.1600e-003	1.6000e-004	2.3200e-003	5.9000e-004	1.5000e-004	7.4000e-004	0.0000	9.9292	9.9292	9.0000e-004	0.0000	9.9516
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2700e-003	2.5900e-003	0.0248	7.0000e-005	6.1300e-003	5.0000e-005	6.1800e-003	1.6300e-003	4.0000e-005	1.6700e-003	0.0000	5.9041	5.9041	2.0000e-004	0.0000	5.9092
Total	4.4400e-003	0.0435	0.0334	1.7000e-004	8.2900e-003	2.1000e-004	8.5000e-003	2.2200e-003	1.9000e-004	2.4100e-003	0.0000	15.8333	15.8333	1.1000e-003	0.0000	15.8608

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0108	0.0000	0.0108	1.6300e-003	0.0000	1.6300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.9300e-003	0.0214	0.1809	4.0000e-004		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004	0.0000	36.6511	36.6511	0.0114	0.0000	36.9364
Total	4.9300e-003	0.0214	0.1809	4.0000e-004	0.0108	6.6000e-004	0.0114	1.6300e-003	6.6000e-004	2.2900e-003	0.0000	36.6511	36.6511	0.0114	0.0000	36.9364

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3.2 Demolition-Phase 1 - 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	tons/yr										MT/yr					
Hauling	1.1700e-003	0.0409	8.5300e-003	1.0000e-004	2.1600e-003	1.6000e-004	2.3200e-003	5.9000e-004	1.5000e-004	7.4000e-004	0.0000	9.9292	9.9292	9.0000e-004	0.0000	9.9516
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2700e-003	2.5900e-003	0.0248	7.0000e-005	6.1300e-003	5.0000e-005	6.1800e-003	1.6300e-003	4.0000e-005	1.6700e-003	0.0000	5.9041	5.9041	2.0000e-004	0.0000	5.9092
Total	4.4400e-003	0.0435	0.0334	1.7000e-004	8.2900e-003	2.1000e-004	8.5000e-003	2.2200e-003	1.9000e-004	2.4100e-003	0.0000	15.8333	15.8333	1.1000e-003	0.0000	15.8608

3.3 Grading-Phase 1 - 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	tons/yr										MT/yr					
Fugitive Dust					0.6261	0.0000	0.6261	0.2219	0.0000	0.2219	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.6625	8.9142	4.0427	0.0101		0.2999	0.2999		0.2760	0.2760	0.0000	924.8851	924.8851	0.2879	0.0000	932.0833
Total	0.6625	8.9142	4.0427	0.0101	0.6261	0.2999	0.9260	0.2219	0.2760	0.4978	0.0000	924.8851	924.8851	0.2879	0.0000	932.0833

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3.3 Grading-Phase 1 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.9400e-003	5.5000e-003	0.0527	1.4000e-004	0.0130	1.0000e-004	0.0131	3.4600e-003	9.0000e-005	3.5500e-003	0.0000	12.5336	12.5336	4.3000e-004	0.0000	12.5444
Total	6.9400e-003	5.5000e-003	0.0527	1.4000e-004	0.0130	1.0000e-004	0.0131	3.4600e-003	9.0000e-005	3.5500e-003	0.0000	12.5336	12.5336	4.3000e-004	0.0000	12.5444

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2442	0.0000	0.2442	0.0865	0.0000	0.0865	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1248	1.7337	4.8166	0.0101		0.0215	0.0215		0.0215	0.0215	0.0000	924.8840	924.8840	0.2879	0.0000	932.0822
Total	0.1248	1.7337	4.8166	0.0101	0.2442	0.0215	0.2656	0.0865	0.0215	0.1080	0.0000	924.8840	924.8840	0.2879	0.0000	932.0822

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3.3 Grading-Phase 1 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.9400e-003	5.5000e-003	0.0527	1.4000e-004	0.0130	1.0000e-004	0.0131	3.4600e-003	9.0000e-005	3.5500e-003	0.0000	12.5336	12.5336	4.3000e-004	0.0000	12.5444
Total	6.9400e-003	5.5000e-003	0.0527	1.4000e-004	0.0130	1.0000e-004	0.0131	3.4600e-003	9.0000e-005	3.5500e-003	0.0000	12.5336	12.5336	4.3000e-004	0.0000	12.5444

3.4 Trenching WU-Phase 1 - 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	tons/yr										MT/yr					
Off-Road	0.1721	1.7467	0.9823	2.3700e-003		0.0840	0.0840		0.0773	0.0773	0.0000	216.5394	216.5394	0.0674	0.0000	218.2247
Total	0.1721	1.7467	0.9823	2.3700e-003		0.0840	0.0840		0.0773	0.0773	0.0000	216.5394	216.5394	0.0674	0.0000	218.2247

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3.4 Trenching WU-Phase 1 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6100e-003	3.6500e-003	0.0350	9.0000e-005	0.0162	6.0000e-005	0.0162	4.1400e-003	6.0000e-005	4.2000e-003	0.0000	8.3275	8.3275	2.9000e-004	0.0000	8.3346
Total	4.6100e-003	3.6500e-003	0.0350	9.0000e-005	0.0162	6.0000e-005	0.0162	4.1400e-003	6.0000e-005	4.2000e-003	0.0000	8.3275	8.3275	2.9000e-004	0.0000	8.3346

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0293	0.1271	1.2753	2.3700e-003		3.9100e-003	3.9100e-003		3.9100e-003	3.9100e-003	0.0000	216.5392	216.5392	0.0674	0.0000	218.2245
Total	0.0293	0.1271	1.2753	2.3700e-003		3.9100e-003	3.9100e-003		3.9100e-003	3.9100e-003	0.0000	216.5392	216.5392	0.0674	0.0000	218.2245

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3.4 Trenching WU-Phase 1 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6100e-003	3.6500e-003	0.0350	9.0000e-005	0.0162	6.0000e-005	0.0162	4.1400e-003	6.0000e-005	4.2000e-003	0.0000	8.3275	8.3275	2.9000e-004	0.0000	8.3346
Total	4.6100e-003	3.6500e-003	0.0350	9.0000e-005	0.0162	6.0000e-005	0.0162	4.1400e-003	6.0000e-005	4.2000e-003	0.0000	8.3275	8.3275	2.9000e-004	0.0000	8.3346

3.5 Grading-Phase 2 - 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	tons/yr										MT/yr					
Fugitive Dust					0.4318	0.0000	0.4318	0.1530	0.0000	0.1530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4569	6.1477	2.7880	6.9900e-003		0.2069	0.2069		0.1903	0.1903	0.0000	637.8518	637.8518	0.1986	0.0000	642.8161
Total	0.4569	6.1477	2.7880	6.9900e-003	0.4318	0.2069	0.6386	0.1530	0.1903	0.3433	0.0000	637.8518	637.8518	0.1986	0.0000	642.8161

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3.5 Grading-Phase 2 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7900e-003	3.7900e-003	0.0364	1.0000e-004	8.9800e-003	7.0000e-005	9.0500e-003	2.3900e-003	6.0000e-005	2.4500e-003	0.0000	8.6439	8.6439	3.0000e-004	0.0000	8.6513
Total	4.7900e-003	3.7900e-003	0.0364	1.0000e-004	8.9800e-003	7.0000e-005	9.0500e-003	2.3900e-003	6.0000e-005	2.4500e-003	0.0000	8.6439	8.6439	3.0000e-004	0.0000	8.6513

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1684	0.0000	0.1684	0.0597	0.0000	0.0597	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0861	1.1957	3.3218	6.9900e-003		0.0148	0.0148		0.0148	0.0148	0.0000	637.8510	637.8510	0.1986	0.0000	642.8153
Total	0.0861	1.1957	3.3218	6.9900e-003	0.1684	0.0148	0.1832	0.0597	0.0148	0.0745	0.0000	637.8510	637.8510	0.1986	0.0000	642.8153

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3.5 Grading-Phase 2 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7900e-003	3.7900e-003	0.0364	1.0000e-004	8.9800e-003	7.0000e-005	9.0500e-003	2.3900e-003	6.0000e-005	2.4500e-003	0.0000	8.6439	8.6439	3.0000e-004	0.0000	8.6513
Total	4.7900e-003	3.7900e-003	0.0364	1.0000e-004	8.9800e-003	7.0000e-005	9.0500e-003	2.3900e-003	6.0000e-005	2.4500e-003	0.0000	8.6439	8.6439	3.0000e-004	0.0000	8.6513

3.6 Paving-Country Club & El Norte - 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	tons/yr										MT/yr					
Off-Road	0.0767	0.8267	0.4911	1.0100e-003		0.0391	0.0391		0.0359	0.0359	0.0000	92.1168	92.1168	0.0287	0.0000	92.8337
Paving	0.0843					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1610	0.8267	0.4911	1.0100e-003		0.0391	0.0391		0.0359	0.0359	0.0000	92.1168	92.1168	0.0287	0.0000	92.8337

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3.6 Paving-Country Club & El Norte - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3900e-003	1.8900e-003	0.0181	5.0000e-005	4.4800e-003	3.0000e-005	4.5200e-003	1.1900e-003	3.0000e-005	1.2200e-003	0.0000	4.3142	4.3142	1.5000e-004	0.0000	4.3180
Total	2.3900e-003	1.8900e-003	0.0181	5.0000e-005	4.4800e-003	3.0000e-005	4.5200e-003	1.1900e-003	3.0000e-005	1.2200e-003	0.0000	4.3142	4.3142	1.5000e-004	0.0000	4.3180

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0201	0.1498	0.5823	1.0100e-003		6.4800e-003	6.4800e-003		6.0700e-003	6.0700e-003	0.0000	92.1167	92.1167	0.0287	0.0000	92.8336
Paving	0.0843					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1044	0.1498	0.5823	1.0100e-003		6.4800e-003	6.4800e-003		6.0700e-003	6.0700e-003	0.0000	92.1167	92.1167	0.0287	0.0000	92.8336

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3.6 Paving-Country Club & El Norte - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3900e-003	1.8900e-003	0.0181	5.0000e-005	4.4800e-003	3.0000e-005	4.5200e-003	1.1900e-003	3.0000e-005	1.2200e-003	0.0000	4.3142	4.3142	1.5000e-004	0.0000	4.3180
Total	2.3900e-003	1.8900e-003	0.0181	5.0000e-005	4.4800e-003	3.0000e-005	4.5200e-003	1.1900e-003	3.0000e-005	1.2200e-003	0.0000	4.3142	4.3142	1.5000e-004	0.0000	4.3180

3.7 Import-Phase 2 - 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	tons/yr										MT/yr					
Fugitive Dust					0.1589	0.0000	0.1589	0.0799	0.0000	0.0799	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0764	0.8679	0.5394	7.8000e-004		0.0364	0.0364		0.0335	0.0335	0.0000	71.2341	71.2341	0.0222	0.0000	71.7885
Total	0.0764	0.8679	0.5394	7.8000e-004	0.1589	0.0364	0.1953	0.0799	0.0335	0.1134	0.0000	71.2341	71.2341	0.0222	0.0000	71.7885

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3.7 Import-Phase 2 - 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	tons/yr										MT/yr					
Hauling	0.0408	1.4305	0.2985	3.5200e-003	0.0754	5.5700e-003	0.0810	0.0207	5.3300e-003	0.0260	0.0000	347.2468	347.2468	0.0313	0.0000	348.0302
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8100e-003	1.4300e-003	0.0137	4.0000e-005	3.3900e-003	3.0000e-005	3.4200e-003	9.0000e-004	2.0000e-005	9.2000e-004	0.0000	3.2646	3.2646	1.1000e-004	0.0000	3.2674
Total	0.0426	1.4319	0.3122	3.5600e-003	0.0788	5.6000e-003	0.0844	0.0216	5.3500e-003	0.0270	0.0000	350.5114	350.5114	0.0314	0.0000	351.2976

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0620	0.0000	0.0620	0.0312	0.0000	0.0312	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.5400e-003	0.0414	0.3499	7.8000e-004		1.2700e-003	1.2700e-003		1.2700e-003	1.2700e-003	0.0000	71.2340	71.2340	0.0222	0.0000	71.7884
Total	9.5400e-003	0.0414	0.3499	7.8000e-004	0.0620	1.2700e-003	0.0633	0.0312	1.2700e-003	0.0324	0.0000	71.2340	71.2340	0.0222	0.0000	71.7884

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3.7 Import-Phase 2 - 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	tons/yr										MT/yr					
Hauling	0.0408	1.4305	0.2985	3.5200e-003	0.0754	5.5700e-003	0.0810	0.0207	5.3300e-003	0.0260	0.0000	347.2468	347.2468	0.0313	0.0000	348.0302
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8100e-003	1.4300e-003	0.0137	4.0000e-005	3.3900e-003	3.0000e-005	3.4200e-003	9.0000e-004	2.0000e-005	9.2000e-004	0.0000	3.2646	3.2646	1.1000e-004	0.0000	3.2674
Total	0.0426	1.4319	0.3122	3.5600e-003	0.0788	5.6000e-003	0.0844	0.0216	5.3500e-003	0.0270	0.0000	350.5114	350.5114	0.0314	0.0000	351.2976

3.8 Trenching DU-Phase 1 - 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	tons/yr										MT/yr					
Off-Road	0.0357	0.3524	0.2592	4.2000e-004		0.0200	0.0200		0.0184	0.0184	0.0000	38.6934	38.6934	0.0121	0.0000	38.9946
Total	0.0357	0.3524	0.2592	4.2000e-004		0.0200	0.0200		0.0184	0.0184	0.0000	38.6934	38.6934	0.0121	0.0000	38.9946

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3.8 Trenching DU-Phase 1 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0800e-003	8.5000e-004	8.1800e-003	2.0000e-005	2.0200e-003	1.0000e-005	2.0400e-003	5.4000e-004	1.0000e-005	5.5000e-004	0.0000	1.9449	1.9449	7.0000e-005	0.0000	1.9466
Total	1.0800e-003	8.5000e-004	8.1800e-003	2.0000e-005	2.0200e-003	1.0000e-005	2.0400e-003	5.4000e-004	1.0000e-005	5.5000e-004	0.0000	1.9449	1.9449	7.0000e-005	0.0000	1.9466

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.2200e-003	0.0226	0.2857	4.2000e-004		7.0000e-004	7.0000e-004		7.0000e-004	7.0000e-004	0.0000	38.6934	38.6934	0.0121	0.0000	38.9945
Total	5.2200e-003	0.0226	0.2857	4.2000e-004		7.0000e-004	7.0000e-004		7.0000e-004	7.0000e-004	0.0000	38.6934	38.6934	0.0121	0.0000	38.9945

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3.8 Trenching DU-Phase 1 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0800e-003	8.5000e-004	8.1800e-003	2.0000e-005	2.0200e-003	1.0000e-005	2.0400e-003	5.4000e-004	1.0000e-005	5.5000e-004	0.0000	1.9449	1.9449	7.0000e-005	0.0000	1.9466
Total	1.0800e-003	8.5000e-004	8.1800e-003	2.0000e-005	2.0200e-003	1.0000e-005	2.0400e-003	5.4000e-004	1.0000e-005	5.5000e-004	0.0000	1.9449	1.9449	7.0000e-005	0.0000	1.9466

3.9 Trenching WU-Phase 2 - 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	tons/yr										MT/yr					
Off-Road	0.1182	1.1996	0.6746	1.6300e-003		0.0577	0.0577		0.0531	0.0531	0.0000	148.7078	148.7078	0.0463	0.0000	149.8652
Total	0.1182	1.1996	0.6746	1.6300e-003		0.0577	0.0577		0.0531	0.0531	0.0000	148.7078	148.7078	0.0463	0.0000	149.8652

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3.9 Trenching WU-Phase 2 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1700e-003	2.5100e-003	0.0241	6.0000e-005	5.9400e-003	4.0000e-005	5.9900e-003	1.5800e-003	4.0000e-005	1.6200e-003	0.0000	5.7189	5.7189	2.0000e-004	0.0000	5.7238
Total	3.1700e-003	2.5100e-003	0.0241	6.0000e-005	5.9400e-003	4.0000e-005	5.9900e-003	1.5800e-003	4.0000e-005	1.6200e-003	0.0000	5.7189	5.7189	2.0000e-004	0.0000	5.7238

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0201	0.0873	0.8758	1.6300e-003		2.6900e-003	2.6900e-003		2.6900e-003	2.6900e-003	0.0000	148.7076	148.7076	0.0463	0.0000	149.8650
Total	0.0201	0.0873	0.8758	1.6300e-003		2.6900e-003	2.6900e-003		2.6900e-003	2.6900e-003	0.0000	148.7076	148.7076	0.0463	0.0000	149.8650

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3.9 Trenching WU-Phase 2 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1700e-003	2.5100e-003	0.0241	6.0000e-005	5.9400e-003	4.0000e-005	5.9900e-003	1.5800e-003	4.0000e-005	1.6200e-003	0.0000	5.7189	5.7189	2.0000e-004	0.0000	5.7238
Total	3.1700e-003	2.5100e-003	0.0241	6.0000e-005	5.9400e-003	4.0000e-005	5.9900e-003	1.5800e-003	4.0000e-005	1.6200e-003	0.0000	5.7189	5.7189	2.0000e-004	0.0000	5.7238

3.10 Grading-Phase 3 - 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	tons/yr										MT/yr					
Fugitive Dust					0.2699	0.0000	0.2699	0.0956	0.0000	0.0956	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2856	3.8423	1.7425	4.3700e-003		0.1293	0.1293		0.1189	0.1189	0.0000	398.6574	398.6574	0.1241	0.0000	401.7601
Total	0.2856	3.8423	1.7425	4.3700e-003	0.2699	0.1293	0.3992	0.0956	0.1189	0.2146	0.0000	398.6574	398.6574	0.1241	0.0000	401.7601

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3.10 Grading-Phase 3 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9900e-003	2.3700e-003	0.0227	6.0000e-005	5.6100e-003	4.0000e-005	5.6500e-003	1.4900e-003	4.0000e-005	1.5300e-003	0.0000	5.4024	5.4024	1.9000e-004	0.0000	5.4071
Total	2.9900e-003	2.3700e-003	0.0227	6.0000e-005	5.6100e-003	4.0000e-005	5.6500e-003	1.4900e-003	4.0000e-005	1.5300e-003	0.0000	5.4024	5.4024	1.9000e-004	0.0000	5.4071

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1052	0.0000	0.1052	0.0373	0.0000	0.0373	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0538	0.7473	2.0761	4.3700e-003		9.2500e-003	9.2500e-003		9.2500e-003	9.2500e-003	0.0000	398.6569	398.6569	0.1241	0.0000	401.7596
Total	0.0538	0.7473	2.0761	4.3700e-003	0.1052	9.2500e-003	0.1145	0.0373	9.2500e-003	0.0466	0.0000	398.6569	398.6569	0.1241	0.0000	401.7596

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3.10 Grading-Phase 3 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9900e-003	2.3700e-003	0.0227	6.0000e-005	5.6100e-003	4.0000e-005	5.6500e-003	1.4900e-003	4.0000e-005	1.5300e-003	0.0000	5.4024	5.4024	1.9000e-004	0.0000	5.4071
Total	2.9900e-003	2.3700e-003	0.0227	6.0000e-005	5.6100e-003	4.0000e-005	5.6500e-003	1.4900e-003	4.0000e-005	1.5300e-003	0.0000	5.4024	5.4024	1.9000e-004	0.0000	5.4071

3.11 Surface Improvements-Phase 1 - 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	tons/yr										MT/yr					
Off-Road	0.1018	1.2216	0.7121	1.3000e-003		0.0523	0.0523		0.0481	0.0481	0.0000	118.9861	118.9861	0.0370	0.0000	119.9121
Paving	0.0843					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1861	1.2216	0.7121	1.3000e-003		0.0523	0.0523		0.0481	0.0481	0.0000	118.9861	118.9861	0.0370	0.0000	119.9121

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3.11 Surface Improvements-Phase 1 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.4000e-004	0.0112	3.0800e-003	2.0000e-005	5.6000e-004	9.0000e-005	6.4000e-004	1.6000e-004	8.0000e-005	2.4000e-004	0.0000	2.2483	2.2483	1.9000e-004	0.0000	2.2530
Worker	1.8000e-003	1.4200e-003	0.0136	4.0000e-005	3.3700e-003	2.0000e-005	3.3900e-003	8.9000e-004	2.0000e-005	9.2000e-004	0.0000	3.2415	3.2415	1.1000e-004	0.0000	3.2443
Total	2.2400e-003	0.0126	0.0167	6.0000e-005	3.9300e-003	1.1000e-004	4.0300e-003	1.0500e-003	1.0000e-004	1.1600e-003	0.0000	5.4898	5.4898	3.0000e-004	0.0000	5.4972

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0264	0.2022	0.6610	1.3000e-003		8.8300e-003	8.8300e-003		8.2700e-003	8.2700e-003	0.0000	118.9859	118.9859	0.0370	0.0000	119.9120
Paving	0.0843					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1107	0.2022	0.6610	1.3000e-003		8.8300e-003	8.8300e-003		8.2700e-003	8.2700e-003	0.0000	118.9859	118.9859	0.0370	0.0000	119.9120

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3.11 Surface Improvements-Phase 1 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.4000e-004	0.0112	3.0800e-003	2.0000e-005	5.6000e-004	9.0000e-005	6.4000e-004	1.6000e-004	8.0000e-005	2.4000e-004	0.0000	2.2483	2.2483	1.9000e-004	0.0000	2.2530
Worker	1.8000e-003	1.4200e-003	0.0136	4.0000e-005	3.3700e-003	2.0000e-005	3.3900e-003	8.9000e-004	2.0000e-005	9.2000e-004	0.0000	3.2415	3.2415	1.1000e-004	0.0000	3.2443
Total	2.2400e-003	0.0126	0.0167	6.0000e-005	3.9300e-003	1.1000e-004	4.0300e-003	1.0500e-003	1.0000e-004	1.1600e-003	0.0000	5.4898	5.4898	3.0000e-004	0.0000	5.4972

3.12 Paving-Country Club & Nutmeg - 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	tons/yr										MT/yr					
Off-Road	0.0678	0.7305	0.4340	8.9000e-004		0.0345	0.0345		0.0318	0.0318	0.0000	81.4055	81.4055	0.0253	0.0000	82.0391
Paving	0.0843					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1521	0.7305	0.4340	8.9000e-004		0.0345	0.0345		0.0318	0.0318	0.0000	81.4055	81.4055	0.0253	0.0000	82.0391

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3.12 Paving-Country Club & Nutmeg - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1100e-003	1.6700e-003	0.0160	4.0000e-005	3.9600e-003	3.0000e-005	3.9900e-003	1.0500e-003	3.0000e-005	1.0800e-003	0.0000	3.8126	3.8126	1.3000e-004	0.0000	3.8159
Total	2.1100e-003	1.6700e-003	0.0160	4.0000e-005	3.9600e-003	3.0000e-005	3.9900e-003	1.0500e-003	3.0000e-005	1.0800e-003	0.0000	3.8126	3.8126	1.3000e-004	0.0000	3.8159

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0177	0.1324	0.5146	8.9000e-004		5.7200e-003	5.7200e-003		5.3700e-003	5.3700e-003	0.0000	81.4054	81.4054	0.0253	0.0000	82.0390
Paving	0.0843					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1020	0.1324	0.5146	8.9000e-004		5.7200e-003	5.7200e-003		5.3700e-003	5.3700e-003	0.0000	81.4054	81.4054	0.0253	0.0000	82.0390

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3.12 Paving-Country Club & Nutmeg - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1100e-003	1.6700e-003	0.0160	4.0000e-005	3.9600e-003	3.0000e-005	3.9900e-003	1.0500e-003	3.0000e-005	1.0800e-003	0.0000	3.8126	3.8126	1.3000e-004	0.0000	3.8159
Total	2.1100e-003	1.6700e-003	0.0160	4.0000e-005	3.9600e-003	3.0000e-005	3.9900e-003	1.0500e-003	3.0000e-005	1.0800e-003	0.0000	3.8126	3.8126	1.3000e-004	0.0000	3.8159

3.13 Grading-Phase 4 - 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	tons/yr										MT/yr					
Fugitive Dust					0.3346	0.0000	0.3346	0.1186	0.0000	0.1186	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3541	4.7645	2.1607	5.4200e-003		0.1603	0.1603		0.1475	0.1475	0.0000	494.3351	494.3351	0.1539	0.0000	498.1825
Total	0.3541	4.7645	2.1607	5.4200e-003	0.3346	0.1603	0.4949	0.1186	0.1475	0.2661	0.0000	494.3351	494.3351	0.1539	0.0000	498.1825

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3.13 Grading-Phase 4 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7100e-003	2.9400e-003	0.0282	7.0000e-005	6.9600e-003	5.0000e-005	7.0100e-003	1.8500e-003	5.0000e-005	1.9000e-003	0.0000	6.6990	6.6990	2.3000e-004	0.0000	6.7048
Total	3.7100e-003	2.9400e-003	0.0282	7.0000e-005	6.9600e-003	5.0000e-005	7.0100e-003	1.8500e-003	5.0000e-005	1.9000e-003	0.0000	6.6990	6.6990	2.3000e-004	0.0000	6.7048

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1305	0.0000	0.1305	0.0463	0.0000	0.0463	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0667	0.9267	2.5744	5.4200e-003		0.0115	0.0115		0.0115	0.0115	0.0000	494.3346	494.3346	0.1539	0.0000	498.1819
Total	0.0667	0.9267	2.5744	5.4200e-003	0.1305	0.0115	0.1420	0.0463	0.0115	0.0577	0.0000	494.3346	494.3346	0.1539	0.0000	498.1819

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3.13 Grading-Phase 4 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7100e-003	2.9400e-003	0.0282	7.0000e-005	6.9600e-003	5.0000e-005	7.0100e-003	1.8500e-003	5.0000e-005	1.9000e-003	0.0000	6.6990	6.6990	2.3000e-004	0.0000	6.7048
Total	3.7100e-003	2.9400e-003	0.0282	7.0000e-005	6.9600e-003	5.0000e-005	7.0100e-003	1.8500e-003	5.0000e-005	1.9000e-003	0.0000	6.6990	6.6990	2.3000e-004	0.0000	6.7048

3.14 Import-Phase 3 - 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	tons/yr										MT/yr					
Fugitive Dust					0.0643	0.0000	0.0643	0.0323	0.0000	0.0323	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0309	0.3509	0.2181	3.2000e-004		0.0147	0.0147		0.0135	0.0135	0.0000	28.7968	28.7968	8.9600e-003	0.0000	29.0209
Total	0.0309	0.3509	0.2181	3.2000e-004	0.0643	0.0147	0.0790	0.0323	0.0135	0.0458	0.0000	28.7968	28.7968	8.9600e-003	0.0000	29.0209

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3.14 Import-Phase 3 - 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	tons/yr										MT/yr					
Hauling	0.0165	0.5783	0.1207	1.4200e-003	0.0305	2.2500e-003	0.0327	8.3700e-003	2.1500e-003	0.0105	0.0000	140.3881	140.3881	0.0127	0.0000	140.7048
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.3000e-004	5.8000e-004	5.5500e-003	1.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.3197	1.3197	5.0000e-005	0.0000	1.3209
Total	0.0172	0.5789	0.1262	1.4300e-003	0.0319	2.2600e-003	0.0341	8.7300e-003	2.1600e-003	0.0109	0.0000	141.7079	141.7079	0.0127	0.0000	142.0257

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0251	0.0000	0.0251	0.0126	0.0000	0.0126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8600e-003	0.0167	0.1415	3.2000e-004		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004	0.0000	28.7967	28.7967	8.9600e-003	0.0000	29.0209
Total	3.8600e-003	0.0167	0.1415	3.2000e-004	0.0251	5.1000e-004	0.0256	0.0126	5.1000e-004	0.0131	0.0000	28.7967	28.7967	8.9600e-003	0.0000	29.0209

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3.14 Import-Phase 3 - 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	tons/yr										MT/yr					
Hauling	0.0165	0.5783	0.1207	1.4200e-003	0.0305	2.2500e-003	0.0327	8.3700e-003	2.1500e-003	0.0105	0.0000	140.3881	140.3881	0.0127	0.0000	140.7048
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.3000e-004	5.8000e-004	5.5500e-003	1.0000e-005	1.3700e-003	1.0000e-005	1.3800e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.3197	1.3197	5.0000e-005	0.0000	1.3209
Total	0.0172	0.5789	0.1262	1.4300e-003	0.0319	2.2600e-003	0.0341	8.7300e-003	2.1600e-003	0.0109	0.0000	141.7079	141.7079	0.0127	0.0000	142.0257

3.15 Trenching DU-Phase 2 - 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	tons/yr										MT/yr					
Off-Road	0.0248	0.2447	0.1800	2.9000e-004		0.0139	0.0139		0.0128	0.0128	0.0000	26.8704	26.8704	8.3700e-003	0.0000	27.0796
Total	0.0248	0.2447	0.1800	2.9000e-004		0.0139	0.0139		0.0128	0.0128	0.0000	26.8704	26.8704	8.3700e-003	0.0000	27.0796

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3.15 Trenching DU-Phase 2 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.5000e-004	5.9000e-004	5.6800e-003	1.0000e-005	1.4000e-003	1.0000e-005	1.4100e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.3506	1.3506	5.0000e-005	0.0000	1.3518
Total	7.5000e-004	5.9000e-004	5.6800e-003	1.0000e-005	1.4000e-003	1.0000e-005	1.4100e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.3506	1.3506	5.0000e-005	0.0000	1.3518

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.6200e-003	0.0157	0.1984	2.9000e-004		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	26.8704	26.8704	8.3700e-003	0.0000	27.0795
Total	3.6200e-003	0.0157	0.1984	2.9000e-004		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	26.8704	26.8704	8.3700e-003	0.0000	27.0795

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3.15 Trenching DU-Phase 2 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.5000e-004	5.9000e-004	5.6800e-003	1.0000e-005	1.4000e-003	1.0000e-005	1.4100e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.3506	1.3506	5.0000e-005	0.0000	1.3518
Total	7.5000e-004	5.9000e-004	5.6800e-003	1.0000e-005	1.4000e-003	1.0000e-005	1.4100e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.3506	1.3506	5.0000e-005	0.0000	1.3518

3.16 Import-Phase 4 - 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	tons/yr										MT/yr					
Fugitive Dust					0.1826	0.0000	0.1826	0.0918	0.0000	0.0918	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1001	1.1220	0.6756	1.0700e-003		0.0469	0.0469		0.0432	0.0432	0.0000	97.8535	97.8535	0.0305	0.0000	98.6151
Total	0.1001	1.1220	0.6756	1.0700e-003	0.1826	0.0469	0.2295	0.0918	0.0432	0.1349	0.0000	97.8535	97.8535	0.0305	0.0000	98.6151

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3.16 Import-Phase 4 - 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	tons/yr										MT/yr					
Hauling	0.0469	1.6435	0.3429	4.0400e-003	0.0866	6.4000e-003	0.0930	0.0238	6.1200e-003	0.0299	0.0000	398.9418	398.9418	0.0360	0.0000	399.8418
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3100e-003	1.8300e-003	0.0175	5.0000e-005	4.3300e-003	3.0000e-005	4.3600e-003	1.1500e-003	3.0000e-005	1.1800e-003	0.0000	4.1676	4.1676	1.4000e-004	0.0000	4.1712
Total	0.0492	1.6453	0.3605	4.0900e-003	0.0910	6.4300e-003	0.0974	0.0249	6.1500e-003	0.0311	0.0000	403.1094	403.1094	0.0361	0.0000	404.0129

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0712	0.0000	0.0712	0.0358	0.0000	0.0358	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0131	0.0569	0.4817	1.0700e-003		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003	0.0000	97.8534	97.8534	0.0305	0.0000	98.6149
Total	0.0131	0.0569	0.4817	1.0700e-003	0.0712	1.7500e-003	0.0730	0.0358	1.7500e-003	0.0376	0.0000	97.8534	97.8534	0.0305	0.0000	98.6149

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3.16 Import-Phase 4 - 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	tons/yr										MT/yr					
Hauling	0.0469	1.6435	0.3429	4.0400e-003	0.0866	6.4000e-003	0.0930	0.0238	6.1200e-003	0.0299	0.0000	398.9418	398.9418	0.0360	0.0000	399.8418
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3100e-003	1.8300e-003	0.0175	5.0000e-005	4.3300e-003	3.0000e-005	4.3600e-003	1.1500e-003	3.0000e-005	1.1800e-003	0.0000	4.1676	4.1676	1.4000e-004	0.0000	4.1712
Total	0.0492	1.6453	0.3605	4.0900e-003	0.0910	6.4300e-003	0.0974	0.0249	6.1500e-003	0.0311	0.0000	403.1094	403.1094	0.0361	0.0000	404.0129

3.17 Trenching WU-Phase 3 - 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	tons/yr										MT/yr					
Off-Road	0.0726	0.7366	0.4142	1.0000e-003		0.0354	0.0354		0.0326	0.0326	0.0000	91.3118	91.3118	0.0284	0.0000	92.0225
Total	0.0726	0.7366	0.4142	1.0000e-003		0.0354	0.0354		0.0326	0.0326	0.0000	91.3118	91.3118	0.0284	0.0000	92.0225

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3.17 Trenching WU-Phase 3 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9400e-003	1.5400e-003	0.0148	4.0000e-005	3.6500e-003	3.0000e-005	3.6800e-003	9.7000e-004	2.0000e-005	9.9000e-004	0.0000	3.5116	3.5116	1.2000e-004	0.0000	3.5146
Total	1.9400e-003	1.5400e-003	0.0148	4.0000e-005	3.6500e-003	3.0000e-005	3.6800e-003	9.7000e-004	2.0000e-005	9.9000e-004	0.0000	3.5116	3.5116	1.2000e-004	0.0000	3.5146

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0124	0.0536	0.5378	1.0000e-003		1.6500e-003	1.6500e-003		1.6500e-003	1.6500e-003	0.0000	91.3117	91.3117	0.0284	0.0000	92.0224
Total	0.0124	0.0536	0.5378	1.0000e-003		1.6500e-003	1.6500e-003		1.6500e-003	1.6500e-003	0.0000	91.3117	91.3117	0.0284	0.0000	92.0224

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3.17 Trenching WU-Phase 3 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9400e-003	1.5400e-003	0.0148	4.0000e-005	3.6500e-003	3.0000e-005	3.6800e-003	9.7000e-004	2.0000e-005	9.9000e-004	0.0000	3.5116	3.5116	1.2000e-004	0.0000	3.5146
Total	1.9400e-003	1.5400e-003	0.0148	4.0000e-005	3.6500e-003	3.0000e-005	3.6800e-003	9.7000e-004	2.0000e-005	9.9000e-004	0.0000	3.5116	3.5116	1.2000e-004	0.0000	3.5146

3.18 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	tons/yr										MT/yr					
Off-Road	0.1126	0.9965	0.7415	1.1400e-003		0.0635	0.0635		0.0596	0.0596	0.0000	100.7217	100.7217	0.0251	0.0000	101.3499
Total	0.1126	0.9965	0.7415	1.1400e-003		0.0635	0.0635		0.0596	0.0596	0.0000	100.7217	100.7217	0.0251	0.0000	101.3499

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3.18 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0112	0.2847	0.0783	5.9000e-004	0.0142	2.2100e-003	0.0164	4.0900e-003	2.1200e-003	6.2000e-003	0.0000	57.0916	57.0916	4.7000e-003	0.0000	57.2092
Worker	0.0307	0.0243	0.2334	6.1000e-004	0.0577	4.3000e-004	0.0581	0.0153	3.9000e-004	0.0157	0.0000	55.4829	55.4829	1.9100e-003	0.0000	55.5308
Total	0.0419	0.3091	0.3117	1.2000e-003	0.0718	2.6400e-003	0.0744	0.0194	2.5100e-003	0.0219	0.0000	112.5745	112.5745	6.6100e-003	0.0000	112.7400

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0681	0.6380	0.6687	1.1400e-003		0.0375	0.0375		0.0354	0.0354	0.0000	100.7216	100.7216	0.0251	0.0000	101.3497
Total	0.0681	0.6380	0.6687	1.1400e-003		0.0375	0.0375		0.0354	0.0354	0.0000	100.7216	100.7216	0.0251	0.0000	101.3497

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3.18 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0112	0.2847	0.0783	5.9000e-004	0.0142	2.2100e-003	0.0164	4.0900e-003	2.1200e-003	6.2000e-003	0.0000	57.0916	57.0916	4.7000e-003	0.0000	57.2092
Worker	0.0307	0.0243	0.2334	6.1000e-004	0.0577	4.3000e-004	0.0581	0.0153	3.9000e-004	0.0157	0.0000	55.4829	55.4829	1.9100e-003	0.0000	55.5308
Total	0.0419	0.3091	0.3117	1.2000e-003	0.0718	2.6400e-003	0.0744	0.0194	2.5100e-003	0.0219	0.0000	112.5745	112.5745	6.6100e-003	0.0000	112.7400

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3278	2.9632	2.3900	3.7600e-003		0.1801	0.1801		0.1691	0.1691	0.0000	328.9174	328.9174	0.0817	0.0000	330.9609
Total	0.3278	2.9632	2.3900	3.7600e-003		0.1801	0.1801		0.1691	0.1691	0.0000	328.9174	328.9174	0.0817	0.0000	330.9609

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3.18 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0330	0.8845	0.2376	1.9300e-003	0.0468	6.1200e-003	0.0529	0.0135	5.8600e-003	0.0194	0.0000	187.2233	187.2233	0.0150	0.0000	187.5989
Worker	0.0936	0.0719	0.6949	1.9700e-003	0.1905	1.3900e-003	0.1919	0.0506	1.2800e-003	0.0519	0.0000	177.7754	177.7754	5.7200e-003	0.0000	177.9183
Total	0.1267	0.9564	0.9326	3.9000e-003	0.2372	7.5100e-003	0.2448	0.0641	7.1400e-003	0.0713	0.0000	364.9987	364.9987	0.0208	0.0000	365.5172

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2012	1.9005	2.1696	3.7600e-003		0.1080	0.1080		0.1019	0.1019	0.0000	328.9171	328.9171	0.0817	0.0000	330.9605
Total	0.2012	1.9005	2.1696	3.7600e-003		0.1080	0.1080		0.1019	0.1019	0.0000	328.9171	328.9171	0.0817	0.0000	330.9605

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3.18 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0330	0.8845	0.2376	1.9300e-003	0.0468	6.1200e-003	0.0529	0.0135	5.8600e-003	0.0194	0.0000	187.2233	187.2233	0.0150	0.0000	187.5989
Worker	0.0936	0.0719	0.6949	1.9700e-003	0.1905	1.3900e-003	0.1919	0.0506	1.2800e-003	0.0519	0.0000	177.7754	177.7754	5.7200e-003	0.0000	177.9183
Total	0.1267	0.9564	0.9326	3.9000e-003	0.2372	7.5100e-003	0.2448	0.0641	7.1400e-003	0.0713	0.0000	364.9987	364.9987	0.0208	0.0000	365.5172

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2954	2.7051	2.3538	3.7700e-003		0.1565	0.1565		0.1470	0.1470	0.0000	325.1139	325.1139	0.0810	0.0000	327.1399
Total	0.2954	2.7051	2.3538	3.7700e-003		0.1565	0.1565		0.1470	0.1470	0.0000	325.1139	325.1139	0.0810	0.0000	327.1399

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0270	0.8063	0.2142	1.9200e-003	0.0470	3.9300e-003	0.0509	0.0136	3.7600e-003	0.0173	0.0000	186.6556	186.6556	0.0143	0.0000	187.0133
Worker	0.0879	0.0651	0.6380	1.9100e-003	0.1912	1.3700e-003	0.1926	0.0508	1.2700e-003	0.0521	0.0000	172.8248	172.8248	5.1900e-003	0.0000	172.9545
Total	0.1148	0.8714	0.8522	3.8300e-003	0.2381	5.3000e-003	0.2435	0.0644	5.0300e-003	0.0694	0.0000	359.4804	359.4804	0.0195	0.0000	359.9678

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1832	1.7366	2.1468	3.7700e-003		0.0948	0.0948		0.0894	0.0894	0.0000	325.1135	325.1135	0.0810	0.0000	327.1395
Total	0.1832	1.7366	2.1468	3.7700e-003		0.0948	0.0948		0.0894	0.0894	0.0000	325.1135	325.1135	0.0810	0.0000	327.1395

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3.18 Building Construction - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0270	0.8063	0.2142	1.9200e-003	0.0470	3.9300e-003	0.0509	0.0136	3.7600e-003	0.0173	0.0000	186.6556	186.6556	0.0143	0.0000	187.0133
Worker	0.0879	0.0651	0.6380	1.9100e-003	0.1912	1.3700e-003	0.1926	0.0508	1.2700e-003	0.0521	0.0000	172.8248	172.8248	5.1900e-003	0.0000	172.9545
Total	0.1148	0.8714	0.8522	3.8300e-003	0.2381	5.3000e-003	0.2435	0.0644	5.0300e-003	0.0694	0.0000	359.4804	359.4804	0.0195	0.0000	359.9678

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2640	2.4468	2.3060	3.7600e-003		0.1338	0.1338		0.1256	0.1256	0.0000	323.9137	323.9137	0.0799	0.0000	325.9118
Total	0.2640	2.4468	2.3060	3.7600e-003		0.1338	0.1338		0.1256	0.1256	0.0000	323.9137	323.9137	0.0799	0.0000	325.9118

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0218	0.7242	0.1931	1.8900e-003	0.0468	1.5300e-003	0.0483	0.0135	1.4700e-003	0.0150	0.0000	184.2368	184.2368	0.0137	0.0000	184.5786
Worker	0.0826	0.0589	0.5934	1.8400e-003	0.1905	1.3500e-003	0.1918	0.0506	1.2400e-003	0.0519	0.0000	166.3811	166.3811	4.7700e-003	0.0000	166.5004
Total	0.1044	0.7831	0.7865	3.7300e-003	0.2372	2.8800e-003	0.2401	0.0641	2.7100e-003	0.0668	0.0000	350.6179	350.6179	0.0184	0.0000	351.0790

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1660	1.5721	2.1138	3.7600e-003		0.0823	0.0823		0.0777	0.0777	0.0000	323.9133	323.9133	0.0799	0.0000	325.9114
Total	0.1660	1.5721	2.1138	3.7600e-003		0.0823	0.0823		0.0777	0.0777	0.0000	323.9133	323.9133	0.0799	0.0000	325.9114

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0218	0.7242	0.1931	1.8900e-003	0.0468	1.5300e-003	0.0483	0.0135	1.4700e-003	0.0150	0.0000	184.2368	184.2368	0.0137	0.0000	184.5786
Worker	0.0826	0.0589	0.5934	1.8400e-003	0.1905	1.3500e-003	0.1918	0.0506	1.2400e-003	0.0519	0.0000	166.3811	166.3811	4.7700e-003	0.0000	166.5004
Total	0.1044	0.7831	0.7865	3.7300e-003	0.2372	2.8800e-003	0.2401	0.0641	2.7100e-003	0.0668	0.0000	350.6179	350.6179	0.0184	0.0000	351.0790

3.18 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2241	2.0707	2.1537	3.5600e-003		0.1068	0.1068		0.1003	0.1003	0.0000	306.6632	306.6632	0.0752	0.0000	308.5428
Total	0.2241	2.0707	2.1537	3.5600e-003		0.1068	0.1068		0.1003	0.1003	0.0000	306.6632	306.6632	0.0752	0.0000	308.5428

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3.18 Building Construction - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	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	0.0192	0.6472	0.1730	1.7700e-003	0.0443	1.2500e-003	0.0455	0.0128	1.1900e-003	0.0140	0.0000	172.7032	172.7032	0.0125	0.0000	173.0166
Worker	0.0739	0.0508	0.5213	1.6800e-003	0.1803	1.2500e-003	0.1815	0.0479	1.1500e-003	0.0491	0.0000	151.6845	151.6845	4.1300e-003	0.0000	151.7878
Total	0.0931	0.6980	0.6944	3.4500e-003	0.2245	2.5000e-003	0.2270	0.0607	2.3400e-003	0.0630	0.0000	324.3877	324.3877	0.0167	0.0000	324.8044

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1430	1.3302	1.9829	3.5600e-003		0.0674	0.0674		0.0636	0.0636	0.0000	306.6628	306.6628	0.0752	0.0000	308.5424
Total	0.1430	1.3302	1.9829	3.5600e-003		0.0674	0.0674		0.0636	0.0636	0.0000	306.6628	306.6628	0.0752	0.0000	308.5424

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3.18 Building Construction - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	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	0.0192	0.6472	0.1730	1.7700e-003	0.0443	1.2500e-003	0.0455	0.0128	1.1900e-003	0.0140	0.0000	172.7032	172.7032	0.0125	0.0000	173.0166
Worker	0.0739	0.0508	0.5213	1.6800e-003	0.1803	1.2500e-003	0.1815	0.0479	1.1500e-003	0.0491	0.0000	151.6845	151.6845	4.1300e-003	0.0000	151.7878
Total	0.0931	0.6980	0.6944	3.4500e-003	0.2245	2.5000e-003	0.2270	0.0607	2.3400e-003	0.0630	0.0000	324.3877	324.3877	0.0167	0.0000	324.8044

3.19 Paving-El Norte & Nutmeg - 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	tons/yr										MT/yr					
Off-Road	0.0688	0.7230	0.4871	8.9000e-004		0.0363	0.0363		0.0334	0.0334	0.0000	81.5132	81.5132	0.0254	0.0000	82.1476
Paving	0.0843					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1531	0.7230	0.4871	8.9000e-004		0.0363	0.0363		0.0334	0.0334	0.0000	81.5132	81.5132	0.0254	0.0000	82.1476

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3.19 Paving-El Norte & Nutmeg - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-003	1.9800e-003	0.0190	5.0000e-005	4.6900e-003	3.0000e-005	4.7300e-003	1.2500e-003	3.0000e-005	1.2800e-003	0.0000	4.5149	4.5149	1.6000e-004	0.0000	4.5188
Total	2.5000e-003	1.9800e-003	0.0190	5.0000e-005	4.6900e-003	3.0000e-005	4.7300e-003	1.2500e-003	3.0000e-005	1.2800e-003	0.0000	4.5149	4.5149	1.6000e-004	0.0000	4.5188

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0180	0.1349	0.5645	8.9000e-004		5.8400e-003	5.8400e-003		5.4800e-003	5.4800e-003	0.0000	81.5131	81.5131	0.0254	0.0000	82.1475
Paving	0.0843					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1023	0.1349	0.5645	8.9000e-004		5.8400e-003	5.8400e-003		5.4800e-003	5.4800e-003	0.0000	81.5131	81.5131	0.0254	0.0000	82.1475

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3.19 Paving-El Norte & Nutmeg - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-003	1.9800e-003	0.0190	5.0000e-005	4.6900e-003	3.0000e-005	4.7300e-003	1.2500e-003	3.0000e-005	1.2800e-003	0.0000	4.5149	4.5149	1.6000e-004	0.0000	4.5188
Total	2.5000e-003	1.9800e-003	0.0190	5.0000e-005	4.6900e-003	3.0000e-005	4.7300e-003	1.2500e-003	3.0000e-005	1.2800e-003	0.0000	4.5149	4.5149	1.6000e-004	0.0000	4.5188

3.20 Surface Improvements-Phase 2 - 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	tons/yr										MT/yr					
Off-Road	0.0743	0.8792	0.5037	9.6000e-004		0.0375	0.0375		0.0345	0.0345	0.0000	87.6256	87.6256	0.0273	0.0000	88.3075
Paving	0.0843					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1586	0.8792	0.5037	9.6000e-004		0.0375	0.0375		0.0345	0.0345	0.0000	87.6256	87.6256	0.0273	0.0000	88.3075

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3.20 Surface Improvements-Phase 2 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.9000e-004	7.4800e-003	2.0600e-003	2.0000e-005	3.7000e-004	6.0000e-005	4.3000e-004	1.1000e-004	6.0000e-005	1.6000e-004	0.0000	1.4989	1.4989	1.2000e-004	0.0000	1.5020
Worker	1.4400e-003	1.1400e-003	0.0109	3.0000e-005	2.6900e-003	2.0000e-005	2.7100e-003	7.2000e-004	2.0000e-005	7.3000e-004	0.0000	2.5932	2.5932	9.0000e-005	0.0000	2.5954
Total	1.7300e-003	8.6200e-003	0.0130	5.0000e-005	3.0600e-003	8.0000e-005	3.1400e-003	8.3000e-004	8.0000e-005	8.9000e-004	0.0000	4.0921	4.0921	2.1000e-004	0.0000	4.0974

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0187	0.1397	0.4819	9.6000e-004		6.0400e-003	6.0400e-003		5.6600e-003	5.6600e-003	0.0000	87.6255	87.6255	0.0273	0.0000	88.3074
Paving	0.0843					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1030	0.1397	0.4819	9.6000e-004		6.0400e-003	6.0400e-003		5.6600e-003	5.6600e-003	0.0000	87.6255	87.6255	0.0273	0.0000	88.3074

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3.20 Surface Improvements-Phase 2 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.9000e-004	7.4800e-003	2.0600e-003	2.0000e-005	3.7000e-004	6.0000e-005	4.3000e-004	1.1000e-004	6.0000e-005	1.6000e-004	0.0000	1.4989	1.4989	1.2000e-004	0.0000	1.5020
Worker	1.4400e-003	1.1400e-003	0.0109	3.0000e-005	2.6900e-003	2.0000e-005	2.7100e-003	7.2000e-004	2.0000e-005	7.3000e-004	0.0000	2.5932	2.5932	9.0000e-005	0.0000	2.5954
Total	1.7300e-003	8.6200e-003	0.0130	5.0000e-005	3.0600e-003	8.0000e-005	3.1400e-003	8.3000e-004	8.0000e-005	8.9000e-004	0.0000	4.0921	4.0921	2.1000e-004	0.0000	4.0974

3.21 Trenching DU-Phase 3 - 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	tons/yr										MT/yr					
Off-Road	0.0149	0.1468	0.1080	1.8000e-004		8.3200e-003	8.3200e-003		7.6500e-003	7.6500e-003	0.0000	16.1223	16.1223	5.0200e-003	0.0000	16.2477
Total	0.0149	0.1468	0.1080	1.8000e-004		8.3200e-003	8.3200e-003		7.6500e-003	7.6500e-003	0.0000	16.1223	16.1223	5.0200e-003	0.0000	16.2477

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3.21 Trenching DU-Phase 3 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	3.6000e-004	3.4100e-003	1.0000e-005	8.4000e-004	1.0000e-005	8.5000e-004	2.2000e-004	1.0000e-005	2.3000e-004	0.0000	0.8104	0.8104	3.0000e-005	0.0000	0.8111
Total	4.5000e-004	3.6000e-004	3.4100e-003	1.0000e-005	8.4000e-004	1.0000e-005	8.5000e-004	2.2000e-004	1.0000e-005	2.3000e-004	0.0000	0.8104	0.8104	3.0000e-005	0.0000	0.8111

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.1700e-003	9.4200e-003	0.1190	1.8000e-004		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004	0.0000	16.1222	16.1222	5.0200e-003	0.0000	16.2477
Total	2.1700e-003	9.4200e-003	0.1190	1.8000e-004		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004	0.0000	16.1222	16.1222	5.0200e-003	0.0000	16.2477

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3.21 Trenching DU-Phase 3 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	3.6000e-004	3.4100e-003	1.0000e-005	8.4000e-004	1.0000e-005	8.5000e-004	2.2000e-004	1.0000e-005	2.3000e-004	0.0000	0.8104	0.8104	3.0000e-005	0.0000	0.8111
Total	4.5000e-004	3.6000e-004	3.4100e-003	1.0000e-005	8.4000e-004	1.0000e-005	8.5000e-004	2.2000e-004	1.0000e-005	2.3000e-004	0.0000	0.8104	0.8104	3.0000e-005	0.0000	0.8111

3.22 Trenching WU-Phase 4 - 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	tons/yr										MT/yr					
Off-Road	0.0912	0.9260	0.5207	1.2600e-003		0.0446	0.0446		0.0410	0.0410	0.0000	114.7920	114.7920	0.0357	0.0000	115.6854
Total	0.0912	0.9260	0.5207	1.2600e-003		0.0446	0.0446		0.0410	0.0410	0.0000	114.7920	114.7920	0.0357	0.0000	115.6854

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3.22 Trenching WU-Phase 4 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4400e-003	1.9400e-003	0.0186	5.0000e-005	4.5900e-003	3.0000e-005	4.6200e-003	1.2200e-003	3.0000e-005	1.2500e-003	0.0000	4.4146	4.4146	1.5000e-004	0.0000	4.4184
Total	2.4400e-003	1.9400e-003	0.0186	5.0000e-005	4.5900e-003	3.0000e-005	4.6200e-003	1.2200e-003	3.0000e-005	1.2500e-003	0.0000	4.4146	4.4146	1.5000e-004	0.0000	4.4184

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0156	0.0674	0.6761	1.2600e-003		2.0700e-003	2.0700e-003		2.0700e-003	2.0700e-003	0.0000	114.7918	114.7918	0.0357	0.0000	115.6853
Total	0.0156	0.0674	0.6761	1.2600e-003		2.0700e-003	2.0700e-003		2.0700e-003	2.0700e-003	0.0000	114.7918	114.7918	0.0357	0.0000	115.6853

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3.22 Trenching WU-Phase 4 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4400e-003	1.9400e-003	0.0186	5.0000e-005	4.5900e-003	3.0000e-005	4.6200e-003	1.2200e-003	3.0000e-005	1.2500e-003	0.0000	4.4146	4.4146	1.5000e-004	0.0000	4.4184
Total	2.4400e-003	1.9400e-003	0.0186	5.0000e-005	4.5900e-003	3.0000e-005	4.6200e-003	1.2200e-003	3.0000e-005	1.2500e-003	0.0000	4.4146	4.4146	1.5000e-004	0.0000	4.4184

3.23 Surface Improvements-Phase 3 - 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	tons/yr										MT/yr					
Off-Road	0.0477	0.5652	0.3238	6.2000e-004		0.0241	0.0241		0.0222	0.0222	0.0000	56.3307	56.3307	0.0175	0.0000	56.7691
Paving	0.0843					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1320	0.5652	0.3238	6.2000e-004		0.0241	0.0241		0.0222	0.0222	0.0000	56.3307	56.3307	0.0175	0.0000	56.7691

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3.23 Surface Improvements-Phase 3 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9000e-004	4.8100e-003	1.3200e-003	1.0000e-005	2.4000e-004	4.0000e-005	2.8000e-004	7.0000e-005	4.0000e-005	1.0000e-004	0.0000	0.9636	0.9636	8.0000e-005	0.0000	0.9656
Worker	9.2000e-004	7.3000e-004	7.0100e-003	2.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.6670	1.6670	6.0000e-005	0.0000	1.6685
Total	1.1100e-003	5.5400e-003	8.3300e-003	3.0000e-005	1.9700e-003	5.0000e-005	2.0200e-003	5.3000e-004	5.0000e-005	5.7000e-004	0.0000	2.6306	2.6306	1.4000e-004	0.0000	2.6340

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0121	0.0898	0.3098	6.2000e-004		3.8800e-003	3.8800e-003		3.6400e-003	3.6400e-003	0.0000	56.3307	56.3307	0.0175	0.0000	56.7691
Paving	0.0843					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0964	0.0898	0.3098	6.2000e-004		3.8800e-003	3.8800e-003		3.6400e-003	3.6400e-003	0.0000	56.3307	56.3307	0.0175	0.0000	56.7691

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3.23 Surface Improvements-Phase 3 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9000e-004	4.8100e-003	1.3200e-003	1.0000e-005	2.4000e-004	4.0000e-005	2.8000e-004	7.0000e-005	4.0000e-005	1.0000e-004	0.0000	0.9636	0.9636	8.0000e-005	0.0000	0.9656
Worker	9.2000e-004	7.3000e-004	7.0100e-003	2.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.6670	1.6670	6.0000e-005	0.0000	1.6685
Total	1.1100e-003	5.5400e-003	8.3300e-003	3.0000e-005	1.9700e-003	5.0000e-005	2.0200e-003	5.3000e-004	5.0000e-005	5.7000e-004	0.0000	2.6306	2.6306	1.4000e-004	0.0000	2.6340

3.24 Trenching DU-Phase 4 - 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	tons/yr										MT/yr					
Off-Road	0.0109	0.1077	0.0792	1.3000e-004		6.1000e-003	6.1000e-003		5.6100e-003	5.6100e-003	0.0000	11.8230	11.8230	3.6800e-003	0.0000	11.9150
Total	0.0109	0.1077	0.0792	1.3000e-004		6.1000e-003	6.1000e-003		5.6100e-003	5.6100e-003	0.0000	11.8230	11.8230	3.6800e-003	0.0000	11.9150

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3.24 Trenching DU-Phase 4 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.6000e-004	2.5000e-003	1.0000e-005	6.2000e-004	0.0000	6.2000e-004	1.6000e-004	0.0000	1.7000e-004	0.0000	0.5943	0.5943	2.0000e-005	0.0000	0.5948
Total	3.3000e-004	2.6000e-004	2.5000e-003	1.0000e-005	6.2000e-004	0.0000	6.2000e-004	1.6000e-004	0.0000	1.7000e-004	0.0000	0.5943	0.5943	2.0000e-005	0.0000	0.5948

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.5900e-003	6.9100e-003	0.0873	1.3000e-004		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	11.8230	11.8230	3.6800e-003	0.0000	11.9150
Total	1.5900e-003	6.9100e-003	0.0873	1.3000e-004		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	11.8230	11.8230	3.6800e-003	0.0000	11.9150

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3.24 Trenching DU-Phase 4 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.6000e-004	2.5000e-003	1.0000e-005	6.2000e-004	0.0000	6.2000e-004	1.6000e-004	0.0000	1.7000e-004	0.0000	0.5943	0.5943	2.0000e-005	0.0000	0.5948
Total	3.3000e-004	2.6000e-004	2.5000e-003	1.0000e-005	6.2000e-004	0.0000	6.2000e-004	1.6000e-004	0.0000	1.7000e-004	0.0000	0.5943	0.5943	2.0000e-005	0.0000	0.5948

3.24 Trenching DU-Phase 4 - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.0900e-003	0.0690	0.0565	9.0000e-005		3.8000e-003	3.8000e-003		3.5000e-003	3.5000e-003	0.0000	8.4612	8.4612	2.6800e-003	0.0000	8.5281
Total	7.0900e-003	0.0690	0.0565	9.0000e-005		3.8000e-003	3.8000e-003		3.5000e-003	3.5000e-003	0.0000	8.4612	8.4612	2.6800e-003	0.0000	8.5281

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3.24 Trenching DU-Phase 4 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.7000e-004	1.6400e-003	0.0000	4.5000e-004	0.0000	4.5000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4192	0.4192	1.0000e-005	0.0000	0.4195
Total	2.2000e-004	1.7000e-004	1.6400e-003	0.0000	4.5000e-004	0.0000	4.5000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4192	0.4192	1.0000e-005	0.0000	0.4195

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.1600e-003	5.0300e-003	0.0635	9.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	8.4612	8.4612	2.6800e-003	0.0000	8.5281
Total	1.1600e-003	5.0300e-003	0.0635	9.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	8.4612	8.4612	2.6800e-003	0.0000	8.5281

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3.24 Trenching DU-Phase 4 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.7000e-004	1.6400e-003	0.0000	4.5000e-004	0.0000	4.5000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4192	0.4192	1.0000e-005	0.0000	0.4195
Total	2.2000e-004	1.7000e-004	1.6400e-003	0.0000	4.5000e-004	0.0000	4.5000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4192	0.4192	1.0000e-005	0.0000	0.4195

3.25 Surface Improvements-Phase 4 - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0536	0.6241	0.3740	7.5000e-004		0.0263	0.0263		0.0242	0.0242	0.0000	67.7032	67.7032	0.0214	0.0000	68.2388
Paving	0.0843					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1379	0.6241	0.3740	7.5000e-004		0.0263	0.0263		0.0242	0.0242	0.0000	67.7032	67.7032	0.0214	0.0000	68.2388

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3.25 Surface Improvements-Phase 4 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1000e-004	5.5200e-003	1.4800e-003	1.0000e-005	2.9000e-004	4.0000e-005	3.3000e-004	8.0000e-005	4.0000e-005	1.2000e-004	0.0000	1.1690	1.1690	9.0000e-005	0.0000	1.1713
Worker	1.0400e-003	8.0000e-004	7.7200e-003	2.0000e-005	2.1200e-003	2.0000e-005	2.1300e-003	5.6000e-004	1.0000e-005	5.8000e-004	0.0000	1.9760	1.9760	6.0000e-005	0.0000	1.9776
Total	1.2500e-003	6.3200e-003	9.2000e-003	3.0000e-005	2.4100e-003	6.0000e-005	2.4600e-003	6.4000e-004	5.0000e-005	7.0000e-004	0.0000	3.1450	3.1450	1.5000e-004	0.0000	3.1490

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0140	0.0990	0.3782	7.5000e-004		4.2400e-003	4.2400e-003		3.9900e-003	3.9900e-003	0.0000	67.7032	67.7032	0.0214	0.0000	68.2387
Paving	0.0843					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0983	0.0990	0.3782	7.5000e-004		4.2400e-003	4.2400e-003		3.9900e-003	3.9900e-003	0.0000	67.7032	67.7032	0.0214	0.0000	68.2387

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3.25 Surface Improvements-Phase 4 - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1000e-004	5.5200e-003	1.4800e-003	1.0000e-005	2.9000e-004	4.0000e-005	3.3000e-004	8.0000e-005	4.0000e-005	1.2000e-004	0.0000	1.1690	1.1690	9.0000e-005	0.0000	1.1713
Worker	1.0400e-003	8.0000e-004	7.7200e-003	2.0000e-005	2.1200e-003	2.0000e-005	2.1300e-003	5.6000e-004	1.0000e-005	5.8000e-004	0.0000	1.9760	1.9760	6.0000e-005	0.0000	1.9776
Total	1.2500e-003	6.3200e-003	9.2000e-003	3.0000e-005	2.4100e-003	6.0000e-005	2.4600e-003	6.4000e-004	5.0000e-005	7.0000e-004	0.0000	3.1450	3.1450	1.5000e-004	0.0000	3.1490

3.26 Architectural Coating - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.7304					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0102	0.0704	0.0907	1.5000e-004		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003	0.0000	12.7663	12.7663	8.3000e-004	0.0000	12.7871
Total	3.7406	0.0704	0.0907	1.5000e-004		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003	0.0000	12.7663	12.7663	8.3000e-004	0.0000	12.7871

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3.26 Architectural Coating - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4400e-003	3.0500e-003	0.0313	1.0000e-004	0.0108	7.0000e-005	0.0109	2.8800e-003	7.0000e-005	2.9500e-003	0.0000	9.1104	9.1104	2.5000e-004	0.0000	9.1166
Total	4.4400e-003	3.0500e-003	0.0313	1.0000e-004	0.0108	7.0000e-005	0.0109	2.8800e-003	7.0000e-005	2.9500e-003	0.0000	9.1104	9.1104	2.5000e-004	0.0000	9.1166

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.7304					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0102	0.0704	0.0907	1.5000e-004		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003	0.0000	12.7663	12.7663	8.3000e-004	0.0000	12.7870
Total	3.7406	0.0704	0.0907	1.5000e-004		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003	0.0000	12.7663	12.7663	8.3000e-004	0.0000	12.7870

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3.26 Architectural Coating - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4400e-003	3.0500e-003	0.0313	1.0000e-004	0.0108	7.0000e-005	0.0109	2.8800e-003	7.0000e-005	2.9500e-003	0.0000	9.1104	9.1104	2.5000e-004	0.0000	9.1166
Total	4.4400e-003	3.0500e-003	0.0313	1.0000e-004	0.0108	7.0000e-005	0.0109	2.8800e-003	7.0000e-005	2.9500e-003	0.0000	9.1104	9.1104	2.5000e-004	0.0000	9.1166

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

Improve Pedestrian Network

Provide Traffic Calming Measures

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.0712	4.2465	12.6214	0.0451	4.1195	0.0351	4.1546	1.1031	0.0327	1.1357	0.0000	4,165.176 4	4,165.176 4	0.2115	0.0000	4,170.463 8
Unmitigated	1.0940	4.3634	13.1261	0.0473	4.3363	0.0367	4.3730	1.1611	0.0342	1.1953	0.0000	4,370.143 9	4,370.143 9	0.2204	0.0000	4,375.654 7

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Condo/Townhouse	600.00	585.60	499.80	1,666,437	1,583,115
General Office Building	0.00	0.00	0.00		
Health Club	20.00	12.68	16.24	31,819	30,228
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Quality Restaurant	300.00	314.70	240.66	348,286	330,871
Recreational Swimming Pool	0.00	0.00	0.00		
Single Family Housing	3,320.00	3,456.12	3004.60	9,406,479	8,936,155
Supermarket	40.00	69.48	65.12	54,370	51,651
Total	4,280.00	4,438.58	3,826.42	11,507,390	10,932,020

4.3 Trip Type Information

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	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Condo/Townhouse	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Quality Restaurant	9.50	7.30	7.30	12.00	69.00	19.00	38	18	44
Recreational Swimming Pool	9.50	7.30	7.30	33.00	48.00	19.00	52	39	9
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
Supermarket	9.50	7.30	7.30	6.50	74.50	19.00	34	30	36

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Other Asphalt Surfaces	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Parking Lot	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
City Park	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Health Club	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Quality Restaurant	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Recreational Swimming Pool	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Condo/Townhouse	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Single Family Housing	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Supermarket	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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Exceed Title 24

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	255.6800	255.6800	0.0102	2.0400e-003	256.5439
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	819.2094	819.2094	0.0327	6.5400e-003	821.9774
NaturalGas Mitigated	0.0430	0.3692	0.1717	2.3400e-003		0.0297	0.0297		0.0297	0.0297	0.0000	425.1344	425.1344	8.1500e-003	7.7900e-003	427.6607
NaturalGas Unmitigated	0.0611	0.5245	0.2403	3.3300e-003		0.0422	0.0422		0.0422	0.0422	0.0000	604.5519	604.5519	0.0116	0.0111	608.1445

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

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	1.0257e+006	5.5300e-003	0.0473	0.0201	3.0000e-004		3.8200e-003	3.8200e-003		3.8200e-003	3.8200e-003	0.0000	54.7353	54.7353	1.0500e-003	1.0000e-003	55.0606
General Office Building	271618	1.4600e-003	0.0133	0.0112	8.0000e-005		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003	0.0000	14.4946	14.4946	2.8000e-004	2.7000e-004	14.5807
Health Club	23180	1.2000e-004	1.1400e-003	9.5000e-004	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	1.2370	1.2370	2.0000e-005	2.0000e-005	1.2443
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	523680	2.8200e-003	0.0257	0.0216	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003	0.0000	27.9456	27.9456	5.4000e-004	5.1000e-004	28.1116
Recreational Swimming Pool	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
Single Family Housing	9.45953e+006	0.0510	0.4359	0.1855	2.7800e-003		0.0352	0.0352		0.0352	0.0352	0.0000	504.7964	504.7964	9.6800e-003	9.2500e-003	507.7961
Supermarket	25170	1.4000e-004	1.2300e-003	1.0400e-003	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	1.3432	1.3432	3.0000e-005	2.0000e-005	1.3512
Total		0.0611	0.5245	0.2403	3.3300e-003		0.0422	0.0422		0.0422	0.0422	0.0000	604.5519	604.5519	0.0116	0.0111	608.1445

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

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	742164	4.0000e-003	0.0342	0.0146	2.2000e-004		2.7600e-003	2.7600e-003		2.7600e-003	2.7600e-003	0.0000	39.6047	39.6047	7.6000e-004	7.3000e-004	39.8401
General Office Building	192826	1.0400e-003	9.4500e-003	7.9400e-003	6.0000e-005		7.2000e-004	7.2000e-004		7.2000e-004	7.2000e-004	0.0000	10.2899	10.2899	2.0000e-004	1.9000e-004	10.3511
Health Club	20004	1.1000e-004	9.8000e-004	8.2000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	1.0675	1.0675	2.0000e-005	2.0000e-005	1.0738
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	484053	2.6100e-003	0.0237	0.0199	1.4000e-004		1.8000e-003	1.8000e-003		1.8000e-003	1.8000e-003	0.0000	25.8309	25.8309	5.0000e-004	4.7000e-004	25.9844
Recreational Swimming Pool	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
Single Family Housing	6.50607e+006	0.0351	0.2998	0.1276	1.9100e-003		0.0242	0.0242		0.0242	0.0242	0.0000	347.1885	347.1885	6.6500e-003	6.3700e-003	349.2517
Supermarket	21602.5	1.2000e-004	1.0600e-003	8.9000e-004	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	1.1528	1.1528	2.0000e-005	2.0000e-005	1.1596
Total		0.0430	0.3692	0.1717	2.3500e-003		0.0297	0.0297		0.0297	0.0297	0.0000	425.1344	425.1344	8.1500e-003	7.8000e-003	427.6607

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5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	322081	73.1578	2.9200e-003	5.8000e-004	73.4050
General Office Building	184384	41.8812	1.6700e-003	3.3000e-004	42.0227
Health Club	16900	3.8387	1.5000e-004	3.0000e-005	3.8517
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	52800	11.9930	4.8000e-004	1.0000e-004	12.0336
Quality Restaurant	117870	26.7731	1.0700e-003	2.1000e-004	26.8636
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	2.87651e+006	653.3726	0.0261	5.2200e-003	655.5803
Supermarket	36070	8.1930	3.3000e-004	7.0000e-005	8.2207
Total		819.2094	0.0327	6.5400e-003	821.9774

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5.3 Energy by Land Use - Electricity**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	101195	22.9855	9.2000e-004	1.8000e-004	23.0632
General Office Building	51314.2	11.6556	4.7000e-004	9.0000e-005	11.6949
Health Club	5107.4	1.1601	5.0000e-005	1.0000e-005	1.1640
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	16885.4	3.8354	1.5000e-004	3.0000e-005	3.8483
Quality Restaurant	34665.3	7.8739	3.1000e-004	6.0000e-005	7.9005
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	905342	205.6401	8.2100e-003	1.6400e-003	206.3349
Supermarket	11136.2	2.5295	1.0000e-004	2.0000e-005	2.5380
Total		255.6800	0.0102	2.0300e-003	256.5439

6.0 Area Detail**6.1 Mitigation Measures Area**

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Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.0525	0.3002	3.0274	1.8600e-003		0.0377	0.0377		0.0377	0.0377	0.0000	313.5184	313.5184	0.0105	5.6600e-003	315.4679
Unmitigated	5.1131	0.3002	3.0274	1.8600e-003		0.0377	0.0377		0.0377	0.0377	0.0000	313.5184	313.5184	0.0105	5.6600e-003	315.4679

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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	tons/yr										MT/yr					
Architectural Coating	1.4337					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.5603					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0312	0.2666	0.1135	1.7000e-003		0.0216	0.0216		0.0216	0.0216	0.0000	308.7587	308.7587	5.9200e-003	5.6600e-003	310.5935
Landscaping	0.0880	0.0336	2.9140	1.5000e-004		0.0161	0.0161		0.0161	0.0161	0.0000	4.7597	4.7597	4.5900e-003	0.0000	4.8744
Total	5.1131	0.3002	3.0274	1.8500e-003		0.0377	0.0377		0.0377	0.0377	0.0000	313.5184	313.5184	0.0105	5.6600e-003	315.4679

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6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3730					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.5603					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0312	0.2666	0.1135	1.7000e-003		0.0216	0.0216		0.0216	0.0216	0.0000	308.7587	308.7587	5.9200e-003	5.6600e-003	310.5935
Landscaping	0.0880	0.0336	2.9140	1.5000e-004		0.0161	0.0161		0.0161	0.0161	0.0000	4.7597	4.7597	4.5900e-003	0.0000	4.8744
Total	4.0525	0.3002	3.0274	1.8500e-003		0.0377	0.0377		0.0377	0.0377	0.0000	313.5184	313.5184	0.0105	5.6600e-003	315.4679

7.0 Water Detail**7.1 Mitigation Measures Water**

Use Reclaimed Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	246.2221	0.7713	0.0199	271.4330
Unmitigated	312.2975	0.9643	0.0249	343.8265

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7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 68.0455	171.7152	6.8600e-003	1.3700e-003	172.2954
Condo/Townhouse	3.90924 / 2.46452	19.0215	0.1281	3.1500e-003	23.1625
General Office Building	2.38163 / 1.45971	11.4831	0.0780	1.9200e-003	14.0056
Health Club	0.118286 / 0.0724981	0.5703	3.8800e-003	1.0000e-004	0.6956
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	0.910601 / 0.0581235	3.1288	0.0298	7.2000e-004	4.0889
Recreational Swimming Pool	0.147858 / 0.0906226	0.7129	4.8400e-003	1.2000e-004	0.8695
Single Family Housing	21.6311 / 13.637	105.2524	0.7088	0.0174	128.1657
Supermarket	0.123268 / 0.00381242	0.4133	4.0300e-003	1.0000e-004	0.5433
Total		312.2975	0.9643	0.0249	343.8265

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7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 53.3004	134.5056	5.3700e-003	1.0700e-003	134.9600
Condo/Townhouse	3.12739 / 1.93047	15.1134	0.1025	2.5200e-003	18.4258
General Office Building	1.90531 / 1.1434	9.1250	0.0624	1.5300e-003	11.1428
Health Club	0.094629 / 0.0567881	0.4532	3.1000e-003	8.0000e-005	0.5534
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	0.728481 / 0.0455285	2.5006	0.0238	5.8000e-004	3.2687
Recreational Swimming Pool	0.118286 / 0.0709852	0.5665	3.8800e-003	1.0000e-004	0.6918
Single Family Housing	17.3049 / 10.682	83.6274	0.5670	0.0139	101.9561
Supermarket	0.0986146 / 0.00298629	0.3305	3.2300e-003	8.0000e-005	0.4344
Total		246.2221	0.7713	0.0199	271.4330

8.0 Waste Detail**8.1 Mitigation Measures Waste**

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Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	47.5506	2.8102	0.0000	117.8047
Unmitigated	95.1013	5.6203	0.0000	235.6094

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8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	4.91	0.9967	0.0589	0.0000	2.4693
Condo/Townhouse	27.6	5.6026	0.3311	0.0000	13.8801
General Office Building	12.46	2.5293	0.1495	0.0000	6.2662
Health Club	11.4	2.3141	0.1368	0.0000	5.7331
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	2.74	0.5562	0.0329	0.0000	1.3780
Recreational Swimming Pool	14.25	2.8926	0.1710	0.0000	7.1664
Single Family Housing	389.5	79.0650	4.6726	0.0000	195.8801
Supermarket	5.64	1.1449	0.0677	0.0000	2.8364
Total		95.1013	5.6203	0.0000	235.6094

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8.2 Waste by Land Use**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	2.455	0.4983	0.0295	0.0000	1.2346
Condo/Townhouse	13.8	2.8013	0.1656	0.0000	6.9400
General Office Building	6.23	1.2646	0.0747	0.0000	3.1331
Health Club	5.7	1.1571	0.0684	0.0000	2.8665
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	1.37	0.2781	0.0164	0.0000	0.6890
Recreational Swimming Pool	7.125	1.4463	0.0855	0.0000	3.5832
Single Family Housing	194.75	39.5325	2.3363	0.0000	97.9401
Supermarket	2.82	0.5724	0.0338	0.0000	1.4182
Total		47.5506	2.8102	0.0000	117.8047

9.0 Operational Offroad

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

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	-262.9100	0.0000	0.0000	-262.9100

11.1 Vegetation Land Change**Vegetation Type**

	Initial/Final	Total CO2	CH4	N2O	CO2e
	Acres	MT			
Grassland	109 / 48	-262.9100	0.0000	0.0000	-262.9100
Total		-262.9100	0.0000	0.0000	-262.9100

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

Escondido Villages Specific Plan Project

San Diego County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	13.40	1000sqft	0.31	13,400.00	0
Other Asphalt Surfaces	63.00	Acre	63.00	2,744,280.00	0
Parking Lot	150.00	Space	1.35	60,000.00	0
City Park	57.11	Acre	57.11	2,487,711.60	0
Health Club	2.00	1000sqft	0.05	2,000.00	0
Quality Restaurant	3.00	1000sqft	0.07	3,000.00	0
Recreational Swimming Pool	2.50	1000sqft	0.06	2,500.00	0
Condo/Townhouse	60.00	Dwelling Unit	4.40	96,000.00	172
Single Family Housing	332.00	Dwelling Unit	27.61	743,800.00	950
Supermarket	1.00	1000sqft	0.02	1,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2023
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	500.76	CH4 Intensity (lb/MWhr)	0.02	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Based on applicant provided project schedule. SDG&E GHG emission factors adjusted for RPS in 2023.

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

Land Use - Based on Escondido Villages Specific Plan Project.

Construction Phase - Based on ECC Phased schedule.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - PH 1 ECC AQ EquipmentList

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - PH 1 ECC AQ EquipmentList

Off-road Equipment - PH 1 ECC AQ EquipmentList

Off-road Equipment - PH 2 ECC AQ EquipmentList

Off-road Equipment - PH 3 ECC AQ EquipmentList

Off-road Equipment - PH 4 ECC AQ EquipmentList

Off-road Equipment - PH 2 ECC AQ EquipmentList

Off-road Equipment - PH 3 ECC AQ EquipmentList

Off-road Equipment - PH 4 ECC AQ EquipmentList

Off-road Equipment - Off-Site-ECC-AQ-EquipmentList

Off-road Equipment - Off-Site-ECC-AQ-EquipmentList

Off-road Equipment - Off-Site-ECC-AQ-EquipmentList

Off-road Equipment - PH 1 ECC AQ EquipmentList

Off-road Equipment - PH 2 ECC AQ EquipmentList

Off-road Equipment - PH 3 ECC AQ EquipmentList

Off-road Equipment - PH 4 ECC AQ EquipmentList

Off-road Equipment - PH 1 ECC AQ EquipmentList

Off-road Equipment - PH 2 ECC AQ EquipmentList

Off-road Equipment - PH 3 ECC AQ EquipmentList

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

Off-road Equipment - PH 4 ECC AQ EquipmentList
Off-road Equipment - PH 1 ECC AQ EquipmentList

Off-road Equipment - PH 2 ECC AQ EquipmentList

Off-road Equipment - PH 3 ECC AQ EquipmentList

Off-road Equipment - PH 4 ECC AQ EquipmentList

Trips and VMT - CalEEMod defaults.

On-road Fugitive Dust - CalEEMod defaults.

Demolition - Based on square footage of existing golf course clubhouse and amenities.

Grading - PH 2 ECC AQ Equipmentlist, PH 3 ECC AQ EquipmentList, PH 4 ECC AQ EquipmentList

Architectural Coating - In accordance with SDAPCD Rule 67.0.1 and use of low-VOC coatings.

Vehicle Trips - Based on traffic impact assessment.

Vehicle Emission Factors - CalEEMod defaults.

Vehicle Emission Factors - CalEEMod defaults.

Vehicle Emission Factors - CalEEMod defaults.

Road Dust - CalEEMod defaults.

Woodstoves - Based on Escondido Village Specific Plan. No wood burning stoves or fireplaces will be installed.

Consumer Products - CalEEMod defaults.

Area Coating - CalEEMod defaults.

Landscape Equipment - CalEEMod defaults.

Energy Use - CalEEMod defaults.

Water And Wastewater - CalEEMod defaults.

Solid Waste - CalEEMod defaults.

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

Land Use Change - Based on conversion of the existing golf course and open space/parks planned.

Construction Off-road Equipment Mitigation - At least Tier 3 included for all construction equipment.

Mobile Land Use Mitigation - 75% of the project streets and intersections have traffic calming measures per the SAP. The trail system connects project site with off-site amenities.

Mobile Commute Mitigation -

Area Mitigation - Only natural gas hearths will be installed. Architectural coatings in accordance with SDAPCD Rule 67.0.1.

Energy Mitigation - All residential electricity use will be offset by solar PV. The project will exceed the 2016 Title 24 standards by 15%.

Water Mitigation - Project will utilize recycled water for landscaping and park irrigation and low-flow fixtures.

Waste Mitigation - 50% solid waste diversion assumed in accordance with AB 939.

Table Name	Column Name	Default Value	New Value
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tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
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tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
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tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	250	100
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	100
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	50
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	51.00

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	40.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	40.00
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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblFireplaces	FireplaceWoodMass	3,078.40	0.00
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tblFireplaces	NumberGas	182.60	332.00
tblFireplaces	NumberNoFireplace	6.00	0.00
tblFireplaces	NumberNoFireplace	33.20	0.00
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tblFireplaces	NumberWood	116.20	0.00

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

tblGrading	MaterialImported	0.00	28,500.00
tblGrading	MaterialImported	0.00	81,000.00
tblGrading	MaterialImported	0.00	70,500.00
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tblLandUse	BuildingSpaceSquareFeet	597,600.00	743,800.00
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Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

tblOffRoadEquipment	HorsePower	80.00	100.00
tblOffRoadEquipment	HorsePower	80.00	100.00
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Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

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Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

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tbloffRoadEquipment	HorsePower	203.00	164.00
tbloffRoadEquipment	HorsePower	203.00	89.00
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Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

[illegible]

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
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tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.02
tblProjectCharacteristics	CO2IntensityFactor	720.49	500.76
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004

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tblProjectCharacteristics	OperationalYear	2018	2023
tblTripsAndVMT	VendorTripNumber	0.00	4.00
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tblTripsAndVMT	WorkerTripNumber	18.00	34.00
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tblTripsAndVMT	WorkerTripNumber	8.00	18.00
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tblTripsAndVMT	WorkerTripNumber	25.00	26.00
tblTripsAndVMT	WorkerTripNumber	2,393.00	182.00
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tblTripsAndVMT	WorkerTripNumber	23.00	24.00
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tblTripsAndVMT	WorkerTripNumber	13.00	14.00
tblTripsAndVMT	WorkerTripNumber	25.00	26.00
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tblVehicleTrips	SU_TR	166.44	65.12
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	5.81	10.00
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tblVehicleTrips	WD_TR	9.52	10.00
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tblWoodstoves	NumberCatalytic	3.00	0.00
tblWoodstoves	NumberCatalytic	16.60	0.00
tblWoodstoves	NumberNoncatalytic	3.00	0.00
tblWoodstoves	NumberNoncatalytic	16.60	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
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tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

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	58.2178	695.8137	330.9296	0.8176	44.7102	24.5373	69.2475	15.7050	22.5744	38.2793	0.0000	82,879.1410	82,879.1410	25.2000	0.0000	83,396.4130
2019	17.9516	104.4786	75.1017	0.1561	2.1999	4.7808	6.9807	0.5924	4.4262	5.0186	0.0000	15,525.9082	15,525.9082	3.7684	0.0000	15,620.1179
2020	3.1247	27.1883	24.6780	0.0590	1.8607	1.2350	3.0957	0.5018	1.1600	1.6618	0.0000	5,857.3160	5,857.3160	0.8449	0.0000	5,878.4375
2021	2.8156	24.6570	23.8993	0.0583	1.8607	1.0470	2.9077	0.5018	0.9830	1.4848	0.0000	5,791.6267	5,791.6267	0.8298	0.0000	5,812.3721
2022	102.4296	24.2883	26.5612	0.0644	2.1564	0.9955	3.1519	0.5802	0.9418	1.5221	0.0000	6,381.2707	6,381.2707	0.8509	0.0000	6,402.5439
Maximum	102.4296	695.8137	330.9296	0.8176	44.7102	24.5373	69.2475	15.7050	22.5744	38.2793	0.0000	82,879.1410	82,879.1410	25.2000	0.0000	83,396.4130

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

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	23.6292	167.6150	395.6094	0.8176	18.3720	2.9331	20.5509	6.3707	2.8194	8.9070	0.0000	82,879.14 09	82,879.14 09	25.2000	0.0000	83,396.41 30
2019	11.8963	32.6143	75.5416	0.1561	2.1999	1.3148	3.5147	0.5924	1.2415	1.8339	0.0000	15,525.90 82	15,525.90 82	3.7684	0.0000	15,620.117 9
2020	2.2681	19.7953	23.0981	0.0590	1.8607	0.7640	2.6246	0.5018	0.7209	1.2227	0.0000	5,857.316 0	5,857.316 0	0.8449	0.0000	5,878.437 5
2021	2.0650	17.9544	22.4260	0.0583	1.8607	0.6528	2.5134	0.5018	0.6156	1.1174	0.0000	5,791.626 7	5,791.626 7	0.8298	0.0000	5,812.372 1
2022	101.7727	18.2922	25.1777	0.0644	2.1564	0.6765	2.8328	0.5802	0.6444	1.2246	0.0000	6,381.270 7	6,381.270 7	0.8509	0.0000	6,402.543 9
Maximum	101.7727	167.6150	395.6094	0.8176	18.3720	2.9331	20.5509	6.3707	2.8194	8.9070	0.0000	82,879.14 09	82,879.14 09	25.2000	0.0000	83,396.41 30

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	23.25	70.76	-12.61	0.00	49.89	80.55	62.48	52.20	79.92	70.18	0.00	0.00	0.00	0.00	0.00	0.00

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	29.1023	6.8757	35.1446	0.0432		0.7049	0.7049		0.7049	0.7049	0.0000	8,359.472 9	8,359.472 9	0.2153	0.1522	8,410.206 8
Energy	0.3347	2.8740	1.3169	0.0183		0.2313	0.2313		0.2313	0.2313		3,651.531 1	3,651.531 1	0.0700	0.0669	3,673.230 3
Mobile	6.6879	24.4305	78.0067	0.2848	25.5878	0.2112	25.7990	6.8382	0.1967	7.0349		28,987.651 1	28,987.651 1	1.4106		29,022.91 55
Total	36.1249	34.1802	114.4681	0.3463	25.5878	1.1474	26.7351	6.8382	1.1328	7.9710	0.0000	40,998.65 51	40,998.65 51	1.6958	0.2191	41,106.35 26

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	23.2906	6.8757	35.1446	0.0432		0.7049	0.7049		0.7049	0.7049	0.0000	8,359.472 9	8,359.472 9	0.2153	0.1522	8,410.206 8
Energy	0.2354	2.0231	0.9409	0.0128		0.1626	0.1626		0.1626	0.1626		2,567.837 9	2,567.837 9	0.0492	0.0471	2,583.097 3
Mobile	6.5540	23.7964	74.8467	0.2715	24.3084	0.2019	24.5102	6.4963	0.1880	6.6843		27,627.98 15	27,627.98 15	1.3523		27,661.79 00
Total	30.0800	32.6952	110.9322	0.3275	24.3084	1.0694	25.3778	6.4963	1.0555	7.5518	0.0000	38,555.29 23	38,555.29 23	1.6168	0.1993	38,655.09 40

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	16.73	4.34	3.09	5.43	5.00	6.80	5.08	5.00	6.83	5.26	0.00	5.96	5.96	4.66	9.06	5.96

3.0 Construction Detail

Construction Phase

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition-Phase 1	Demolition	1/2/2018	3/5/2018	5	45	
2	Grading-Phase 1	Grading	3/6/2018	5/24/2018	5	58	
3	Trenching WU-Phase 1	Trenching	4/2/2018	7/25/2018	5	83	
4	Grading-Phase 2	Grading	5/14/2018	7/6/2018	5	40	
5	Paving-Country Club & El Norte	Paving	5/21/2018	7/18/2018	5	43	
6	Import-Phase 2	Site Preparation	6/11/2018	8/14/2018	5	47	
7	Trenching DU-Phase 1	Trenching	6/25/2018	8/13/2018	5	36	
8	Trenching WU-Phase 2	Trenching	6/25/2018	9/11/2018	5	57	
9	Grading-Phase 3	Grading	7/9/2018	8/10/2018	5	25	
10	Surface Improvements-Phase 1	Paving	7/16/2018	9/11/2018	5	42	
11	Paving-Country Club & Nutmeg	Paving	7/19/2018	9/10/2018	5	38	
12	Grading-Phase 4	Grading	8/13/2018	9/24/2018	5	31	
13	Import-Phase 3	Site Preparation	8/15/2018	9/10/2018	5	19	
14	Trenching DU-Phase 2	Trenching	8/27/2018	9/28/2018	5	25	
15	Import-Phase 4	Site Preparation	9/11/2018	11/23/2018	5	54	
16	Trenching WU-Phase 3	Trenching	9/12/2018	10/30/2018	5	35	
17	Building Construction	Building Construction	9/12/2018	12/13/2022	5	1110	
18	Paving-El Norte & Nutmeg	Paving	9/12/2018	11/5/2018	5	39	
19	Surface Improvements-Phase 2	Paving	9/17/2018	10/24/2018	5	28	
20	Trenching DU-Phase 3	Trenching	10/22/2018	11/9/2018	5	15	
21	Trenching WU-Phase 4	Trenching	10/29/2018	12/27/2018	5	44	
22	Surface Improvements-Phase 3	Paving	11/1/2018	11/26/2018	5	18	
23	Trenching DU-Phase 4	Trenching	12/17/2018	1/10/2019	5	19	
24	Surface Improvements-Phase 4	Paving	1/2/2019	1/31/2019	5	22	
25	Architectural Coating	Architectural Coating	8/31/2022	12/13/2022	5	75	

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 0****Acres of Paving: 64.35****Residential Indoor: 1,700,595; Residential Outdoor: 566,865; Non-Residential Indoor: 29,100; Non-Residential Outdoor: 9,700; Striped Parking Area: 168,257 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition-Phase 1	Crawler Tractors	1	8.00	328	0.40
Demolition-Phase 1	Off-Highway Trucks	1	8.00	200	0.38
Demolition-Phase 1	Other Construction Equipment	5	8.00	222	0.42
Grading-Phase 1	Graders	2	8.00	179	0.41
Grading-Phase 1	Off-Highway Trucks	1	8.00	200	0.38
Grading-Phase 1	Off-Highway Trucks	4	8.00	775	0.38
Grading-Phase 1	Rubber Tired Dozers	2	8.00	312	0.40
Grading-Phase 1	Rubber Tired Loaders	1	8.00	311	0.36
Grading-Phase 1	Scrapers	8	8.00	600	0.48
Trenching WU-Phase 1	Excavators	2	8.00	239	0.38
Trenching WU-Phase 1	Off-Highway Trucks	4	8.00	200	0.38
Trenching WU-Phase 1	Rubber Tired Loaders	2	8.00	164	0.36
Trenching WU-Phase 1	Rubber Tired Loaders	2	8.00	89	0.36
Grading-Phase 2	Graders	2	8.00	179	0.41
Grading-Phase 2	Off-Highway Trucks	1	8.00	200	0.38
Grading-Phase 2	Off-Highway Trucks	4	8.00	775	0.38
Grading-Phase 2	Rubber Tired Dozers	2	8.00	312	0.40
Grading-Phase 2	Rubber Tired Loaders	1	8.00	311	0.36
Grading-Phase 2	Scrapers	8	8.00	600	0.48

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Paving-Country Club & El Norte	Excavators	1	8.00	138	0.38
Paving-Country Club & El Norte	Graders	1	8.00	240	0.41
Paving-Country Club & El Norte	Off-Highway Trucks	1	8.00	200	0.38
Paving-Country Club & El Norte	Off-Highway Trucks	1	8.00	300	0.38
Paving-Country Club & El Norte	Pavers	1	8.00	173	0.42
Paving-Country Club & El Norte	Rollers	1	8.00	110	0.38
Paving-Country Club & El Norte	Rubber Tired Loaders	1	8.00	160	0.36
Paving-Country Club & El Norte	Rubber Tired Loaders	1	8.00	89	0.36
Import-Phase 2	Graders	1	8.00	179	0.41
Import-Phase 2	Rubber Tired Dozers	1	8.00	496	0.40
Import-Phase 2	Rubber Tired Loaders	1	8.00	311	0.36
Trenching DU-Phase 1	Off-Highway Trucks	1	8.00	200	0.38
Trenching DU-Phase 1	Rubber Tired Loaders	2	8.00	164	0.36
Trenching DU-Phase 1	Tractors/Loaders/Backhoes	2	8.00	108	0.37
Trenching WU-Phase 2	Excavators	2	8.00	239	0.38
Trenching WU-Phase 2	Off-Highway Trucks	4	8.00	200	0.38
Trenching WU-Phase 2	Rubber Tired Loaders	2	8.00	164	0.36
Trenching WU-Phase 2	Rubber Tired Loaders	2	8.00	89	0.36
Grading-Phase 3	Graders	2	8.00	179	0.41
Grading-Phase 3	Off-Highway Trucks	1	8.00	200	0.38
Grading-Phase 3	Off-Highway Trucks	4	8.00	775	0.38
Grading-Phase 3	Rubber Tired Dozers	2	8.00	312	0.40
Grading-Phase 3	Rubber Tired Loaders	1	8.00	311	0.36
Grading-Phase 3	Scrapers	8	8.00	600	0.48
Surface Improvements-Phase 1	Graders	2	8.00	179	0.41
Surface Improvements-Phase 1	Pavers	1	8.00	121	0.42
Surface Improvements-Phase 1	Paving Equipment	1	8.00	173	0.36

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

Surface Improvements-Phase 1	Rollers	1	8.00	100	0.38
Surface Improvements-Phase 1	Rubber Tired Loaders	1	8.00	89	0.36
Surface Improvements-Phase 1	Scrapers	2	8.00	407	0.48
Paving-Country Club & Nutmeg	Excavators	1	8.00	138	0.38
Paving-Country Club & Nutmeg	Graders	1	8.00	240	0.41
Paving-Country Club & Nutmeg	Off-Highway Trucks	1	8.00	200	0.38
Paving-Country Club & Nutmeg	Off-Highway Trucks	1	8.00	300	0.38
Paving-Country Club & Nutmeg	Pavers	1	8.00	173	0.42
Paving-Country Club & Nutmeg	Rollers	1	8.00	110	0.38
Paving-Country Club & Nutmeg	Rubber Tired Loaders	1	8.00	160	0.36
Paving-Country Club & Nutmeg	Rubber Tired Loaders	1	8.00	89	0.36
Grading-Phase 4	Graders	2	8.00	179	0.41
Grading-Phase 4	Off-Highway Trucks	1	8.00	200	0.38
Grading-Phase 4	Off-Highway Trucks	4	8.00	775	0.38
Grading-Phase 4	Rubber Tired Dozers	2	8.00	312	0.40
Grading-Phase 4	Rubber Tired Loaders	1	8.00	311	0.36
Grading-Phase 4	Scrapers	8	8.00	600	0.48
Import-Phase 3	Graders	1	8.00	179	0.41
Import-Phase 3	Rubber Tired Dozers	1	8.00	496	0.40
Import-Phase 3	Rubber Tired Loaders	1	8.00	311	0.36
Trenching DU-Phase 2	Off-Highway Trucks	1	8.00	200	0.38
Trenching DU-Phase 2	Rubber Tired Loaders	2	8.00	164	0.36
Trenching DU-Phase 2	Tractors/Loaders/Backhoes	2	8.00	108	0.37
Import-Phase 4	Graders	1	8.00	179	0.41
Import-Phase 4	Off-Highway Trucks	1	8.00	200	0.38
Import-Phase 4	Rubber Tired Dozers	1	8.00	496	0.40
Import-Phase 4	Rubber Tired Loaders	1	8.00	311	0.36

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Trenching WU-Phase 3	Excavators	2	8.00	239	0.38
Trenching WU-Phase 3	Off-Highway Trucks	4	8.00	200	0.38
Trenching WU-Phase 3	Rubber Tired Loaders	2	8.00	164	0.36
Trenching WU-Phase 3	Rubber Tired Loaders	2	8.00	89	0.36
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving-El Norte & Nutmeg	Excavators	1	8.00	138	0.38
Paving-El Norte & Nutmeg	Off-Highway Trucks	1	8.00	200	0.38
Paving-El Norte & Nutmeg	Off-Highway Trucks	1	8.00	300	0.38
Paving-El Norte & Nutmeg	Other Construction Equipment	3	8.00	148	0.42
Paving-El Norte & Nutmeg	Pavers	1	8.00	173	0.42
Paving-El Norte & Nutmeg	Rubber Tired Loaders	1	8.00	89	0.36
Surface Improvements-Phase 2	Graders	2	8.00	179	0.41
Surface Improvements-Phase 2	Off-Highway Trucks	1	8.00	200	0.38
Surface Improvements-Phase 2	Pavers	1	8.00	121	0.42
Surface Improvements-Phase 2	Paving Equipment	1	8.00	173	0.36
Surface Improvements-Phase 2	Rollers	1	8.00	100	0.38
Surface Improvements-Phase 2	Rubber Tired Loaders	1	8.00	89	0.36
Surface Improvements-Phase 2	Scrapers	2	8.00	407	0.48
Trenching DU-Phase 3	Off-Highway Trucks	1	8.00	200	0.38
Trenching DU-Phase 3	Rubber Tired Loaders	2	8.00	164	0.36
Trenching DU-Phase 3	Tractors/Loaders/Backhoes	2	8.00	108	0.37
Trenching WU-Phase 4	Excavators	2	8.00	239	0.38
Trenching WU-Phase 4	Off-Highway Trucks	4	8.00	200	0.38

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Trenching WU-Phase 4	Rubber Tired Loaders	2	8.00	164	0.36
Trenching WU-Phase 4	Rubber Tired Loaders	2	8.00	89	0.36
Surface Improvements-Phase 3	Graders	2	8.00	179	0.41
Surface Improvements-Phase 3	Off-Highway Trucks	1	8.00	200	0.38
Surface Improvements-Phase 3	Pavers	1	8.00	121	0.42
Surface Improvements-Phase 3	Paving Equipment	1	8.00	173	0.36
Surface Improvements-Phase 3	Rollers	1	8.00	100	0.38
Surface Improvements-Phase 3	Rubber Tired Loaders	1	8.00	89	0.36
Surface Improvements-Phase 3	Scrapers	2	8.00	407	0.48
Trenching DU-Phase 4	Off-Highway Trucks	1	8.00	200	0.38
Trenching DU-Phase 4	Rubber Tired Loaders	2	8.00	164	0.36
Trenching DU-Phase 4	Tractors/Loaders/Backhoes	2	8.00	108	0.37
Surface Improvements-Phase 4	Graders	2	8.00	179	0.41
Surface Improvements-Phase 4	Off-Highway Trucks	1	8.00	200	0.38
Surface Improvements-Phase 4	Pavers	1	8.00	121	0.42
Surface Improvements-Phase 4	Paving Equipment	1	8.00	173	0.36
Surface Improvements-Phase 4	Rollers	1	8.00	100	0.38
Surface Improvements-Phase 4	Rubber Tired Loaders	1	8.00	89	0.36
Surface Improvements-Phase 4	Scrapers	2	8.00	407	0.48
Architectural Coating	Air Compressors	1	8.00	78	0.48

Trips and VMT

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition-Phase 1	7	34.00	0.00	252.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading-Phase 1	18	56.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching WU-Phase 1	10	26.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading-Phase 2	18	56.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving-Country Club & El Norte	8	26.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Import-Phase 2	3	18.00	0.00	8,813.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching DU-Phase 1	5	14.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching WU-Phase 2	10	26.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading-Phase 3	18	56.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Surface Improvements-Phase 1	8	20.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving-Country Club & Nutmeg	8	26.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading-Phase 4	18	56.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Import-Phase 3	3	18.00	0.00	3,563.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching DU-Phase 2	5	14.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Import-Phase 4	4	20.00	0.00	10,125.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching WU-Phase 3	10	26.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	182.00	54.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving-El Norte & Nutmeg	8	30.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Surface Improvements-Phase 2	9	24.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching DU-Phase 3	5	14.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching WU-Phase 4	10	26.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Surface Improvements-Phase 3	9	24.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching DU-Phase 4	5	14.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Surface Improvements-Phase 4	9	24.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	36.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

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3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition-Phase 1 - 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					1.2247	0.0000	1.2247	0.1855	0.0000	0.1855			0.0000			0.0000
Off-Road	1.2526	14.7449	7.5809	0.0178		0.5814	0.5814		0.5349	0.5349		1,795.6007	1,795.6007	0.5590		1,809.5755
Total	1.2526	14.7449	7.5809	0.0178	1.2247	0.5814	1.8061	0.1855	0.5349	0.7204		1,795.6007	1,795.6007	0.5590		1,809.5755

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3.2 Demolition-Phase 1 - 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	0.0513	1.7812	0.3674	4.5000e-003	0.0979	7.0100e-003	0.1049	0.0268	6.7000e-003	0.0335		489.8625	489.8625	0.0432		490.9421
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	0.1447	0.1042	1.1639	3.0600e-003	0.2793	2.0100e-003	0.2813	0.0741	1.8500e-003	0.0759		305.0564	305.0564	0.0104		305.3173
Total	0.1960	1.8854	1.5313	7.5600e-003	0.3772	9.0200e-003	0.3862	0.1009	8.5500e-003	0.1095		794.9189	794.9189	0.0536		796.2594

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4776	0.0000	0.4776	0.0723	0.0000	0.0723			0.0000			0.0000
Off-Road	0.2193	0.9501	8.0396	0.0178		0.0292	0.0292		0.0292	0.0292	0.0000	1,795.6007	1,795.6007	0.5590		1,809.5755
Total	0.2193	0.9501	8.0396	0.0178	0.4776	0.0292	0.5069	0.0723	0.0292	0.1016	0.0000	1,795.6007	1,795.6007	0.5590		1,809.5755

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3.2 Demolition-Phase 1 - 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	0.0513	1.7812	0.3674	4.5000e-003	0.0979	7.0100e-003	0.1049	0.0268	6.7000e-003	0.0335		489.8625	489.8625	0.0432		490.9421
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	0.1447	0.1042	1.1639	3.0600e-003	0.2793	2.0100e-003	0.2813	0.0741	1.8500e-003	0.0759		305.0564	305.0564	0.0104		305.3173
Total	0.1960	1.8854	1.5313	7.5600e-003	0.3772	9.0200e-003	0.3862	0.1009	8.5500e-003	0.1095		794.9189	794.9189	0.0536		796.2594

3.3 Grading-Phase 1 - 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					21.5887	0.0000	21.5887	7.6510	0.0000	7.6510			0.0000			0.0000
Off-Road	22.8440	307.3859	139.4016	0.3494		10.3429	10.3429		9.5155	9.5155		35,155.5627	35,155.5627	10.9444		35,429.1728
Total	22.8440	307.3859	139.4016	0.3494	21.5887	10.3429	31.9316	7.6510	9.5155	17.1665		35,155.5627	35,155.5627	10.9444		35,429.1728

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3.3 Grading-Phase 1 - 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	0.2384	0.1717	1.9170	5.0500e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		502.4458	502.4458	0.0172		502.8756
Total	0.2384	0.1717	1.9170	5.0500e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		502.4458	502.4458	0.0172		502.8756

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					8.4196	0.0000	8.4196	2.9839	0.0000	2.9839			0.0000			0.0000
Off-Road	4.3031	59.7839	166.0901	0.3494		0.7400	0.7400		0.7400	0.7400	0.0000	35,155.5627	35,155.5627	10.9444		35,429.1728
Total	4.3031	59.7839	166.0901	0.3494	8.4196	0.7400	9.1595	2.9839	0.7400	3.7239	0.0000	35,155.5627	35,155.5627	10.9444		35,429.1728

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3.3 Grading-Phase 1 - 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	0.2384	0.1717	1.9170	5.0500e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		502.4458	502.4458	0.0172		502.8756
Total	0.2384	0.1717	1.9170	5.0500e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		502.4458	502.4458	0.0172		502.8756

3.4 Trenching WU-Phase 1 - 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	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631		5,751.6590	5,751.6590	1.7906		5,796.4233
Total	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631		5,751.6590	5,751.6590	1.7906		5,796.4233

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3.4 Trenching WU-Phase 1 - 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	0.1107	0.0797	0.8901	2.3400e-003	0.3992	1.5400e-003	0.4008	0.1022	1.4200e-003	0.1036		233.2784	233.2784	7.9800e-003		233.4779
Total	0.1107	0.0797	0.8901	2.3400e-003	0.3992	1.5400e-003	0.4008	0.1022	1.4200e-003	0.1036		233.2784	233.2784	7.9800e-003		233.4779

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	0.7067	3.0623	30.7307	0.0572		0.0942	0.0942		0.0942	0.0942	0.0000	5,751.6590	5,751.6590	1.7906		5,796.4233
Total	0.7067	3.0623	30.7307	0.0572		0.0942	0.0942		0.0942	0.0942	0.0000	5,751.6590	5,751.6590	1.7906		5,796.4233

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

3.4 Trenching WU-Phase 1 - 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	0.1107	0.0797	0.8901	2.3400e-003	0.3992	1.5400e-003	0.4008	0.1022	1.4200e-003	0.1036		233.2784	233.2784	7.9800e-003		233.4779
Total	0.1107	0.0797	0.8901	2.3400e-003	0.3992	1.5400e-003	0.4008	0.1022	1.4200e-003	0.1036		233.2784	233.2784	7.9800e-003		233.4779

3.5 Grading-Phase 2 - 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					21.5887	0.0000	21.5887	7.6510	0.0000	7.6510			0.0000			0.0000
Off-Road	22.8440	307.3859	139.4016	0.3494		10.3429	10.3429		9.5155	9.5155		35,155.5627	35,155.5627	10.9444		35,429.1728
Total	22.8440	307.3859	139.4016	0.3494	21.5887	10.3429	31.9316	7.6510	9.5155	17.1665		35,155.5627	35,155.5627	10.9444		35,429.1728

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3.5 Grading-Phase 2 - 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	0.2384	0.1717	1.9170	5.0500e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		502.4458	502.4458	0.0172		502.8756
Total	0.2384	0.1717	1.9170	5.0500e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		502.4458	502.4458	0.0172		502.8756

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					8.4196	0.0000	8.4196	2.9839	0.0000	2.9839			0.0000			0.0000
Off-Road	4.3031	59.7839	166.0901	0.3494		0.7400	0.7400		0.7400	0.7400	0.0000	35,155.5627	35,155.5627	10.9444		35,429.1728
Total	4.3031	59.7839	166.0901	0.3494	8.4196	0.7400	9.1595	2.9839	0.7400	3.7239	0.0000	35,155.5627	35,155.5627	10.9444		35,429.1728

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

3.5 Grading-Phase 2 - 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	0.2384	0.1717	1.9170	5.0500e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		502.4458	502.4458	0.0172		502.8756
Total	0.2384	0.1717	1.9170	5.0500e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		502.4458	502.4458	0.0172		502.8756

3.6 Paving-Country Club & El Norte - 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	3.5674	38.4490	22.8433	0.0469		1.8166	1.8166		1.6713	1.6713		4,722.8544	4,722.8544	1.4703		4,759.6116
Paving	3.9209					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	7.4883	38.4490	22.8433	0.0469		1.8166	1.8166		1.6713	1.6713		4,722.8544	4,722.8544	1.4703		4,759.6116

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3.6 Paving-Country Club & El Norte - 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	0.1107	0.0797	0.8901	2.3400e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		233.2784	233.2784	7.9800e-003		233.4779
Total	0.1107	0.0797	0.8901	2.3400e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		233.2784	233.2784	7.9800e-003		233.4779

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	0.9338	6.9677	27.0844	0.0469		0.3013	0.3013		0.2825	0.2825	0.0000	4,722.8544	4,722.8544	1.4703		4,759.6116
Paving	3.9209					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	4.8547	6.9677	27.0844	0.0469		0.3013	0.3013		0.2825	0.2825	0.0000	4,722.8544	4,722.8544	1.4703		4,759.6116

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3.6 Paving-Country Club & El Norte - 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	0.1107	0.0797	0.8901	2.3400e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		233.2784	233.2784	7.9800e-003		233.4779
Total	0.1107	0.0797	0.8901	2.3400e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		233.2784	233.2784	7.9800e-003		233.4779

3.7 Import-Phase 2 - 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					6.7631	0.0000	6.7631	3.3994	0.0000	3.3994			0.0000			0.0000
Off-Road	3.2494	36.9313	22.9546	0.0332		1.5477	1.5477		1.4239	1.4239		3,341.3681	3,341.3681	1.0402		3,367.3734
Total	3.2494	36.9313	22.9546	0.0332	6.7631	1.5477	8.3109	3.3994	1.4239	4.8233		3,341.3681	3,341.3681	1.0402		3,367.3734

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3.7 Import-Phase 2 - 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	1.7164	59.6421	12.3008	0.1508	3.2766	0.2346	3.5112	0.8980	0.2245	1.1224		16,402.5783	16,402.5783	1.4459		16,438.7257
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	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386
Total	1.7930	59.6973	12.9170	0.1525	3.4245	0.2357	3.6601	0.9372	0.2254	1.1626		16,564.0787	16,564.0787	1.4514		16,600.3643

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					2.6376	0.0000	2.6376	1.3258	0.0000	1.3258			0.0000			0.0000
Off-Road	0.4061	1.7597	14.8900	0.0332		0.0542	0.0542		0.0542	0.0542	0.0000	3,341.3681	3,341.3681	1.0402		3,367.3734
Total	0.4061	1.7597	14.8900	0.0332	2.6376	0.0542	2.6918	1.3258	0.0542	1.3799	0.0000	3,341.3681	3,341.3681	1.0402		3,367.3734

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

3.7 Import-Phase 2 - 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	1.7164	59.6421	12.3008	0.1508	3.2766	0.2346	3.5112	0.8980	0.2245	1.1224		16,402.5783	16,402.5783	1.4459		16,438.7257
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	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386
Total	1.7930	59.6973	12.9170	0.1525	3.4245	0.2357	3.6601	0.9372	0.2254	1.1626		16,564.0787	16,564.0787	1.4514		16,600.3643

3.8 Trenching DU-Phase 1 - 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	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201		2,369.5662	2,369.5662	0.7377		2,388.0082
Total	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201		2,369.5662	2,369.5662	0.7377		2,388.0082

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

3.8 Trenching DU-Phase 1 - 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	0.0596	0.0429	0.4793	1.2600e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		125.6114	125.6114	4.3000e-003		125.7189
Total	0.0596	0.0429	0.4793	1.2600e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		125.6114	125.6114	4.3000e-003		125.7189

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	0.2900	1.2565	15.8698	0.0235		0.0387	0.0387		0.0387	0.0387	0.0000	2,369.5662	2,369.5662	0.7377		2,388.0082
Total	0.2900	1.2565	15.8698	0.0235		0.0387	0.0387		0.0387	0.0387	0.0000	2,369.5662	2,369.5662	0.7377		2,388.0082

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

3.8 Trenching DU-Phase 1 - 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	0.0596	0.0429	0.4793	1.2600e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		125.6114	125.6114	4.3000e-003		125.7189
Total	0.0596	0.0429	0.4793	1.2600e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		125.6114	125.6114	4.3000e-003		125.7189

3.9 Trenching WU-Phase 2 - 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	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631		5,751.6590	5,751.6590	1.7906		5,796.4233
Total	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631		5,751.6590	5,751.6590	1.7906		5,796.4233

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

3.9 Trenching WU-Phase 2 - 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	0.1107	0.0797	0.8901	2.3400e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		233.2784	233.2784	7.9800e-003		233.4779
Total	0.1107	0.0797	0.8901	2.3400e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		233.2784	233.2784	7.9800e-003		233.4779

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	0.7067	3.0623	30.7307	0.0572		0.0942	0.0942		0.0942	0.0942	0.0000	5,751.6590	5,751.6590	1.7906		5,796.4233
Total	0.7067	3.0623	30.7307	0.0572		0.0942	0.0942		0.0942	0.0942	0.0000	5,751.6590	5,751.6590	1.7906		5,796.4233

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

3.9 Trenching WU-Phase 2 - 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	0.1107	0.0797	0.8901	2.3400e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		233.2784	233.2784	7.9800e-003		233.4779
Total	0.1107	0.0797	0.8901	2.3400e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		233.2784	233.2784	7.9800e-003		233.4779

3.10 Grading-Phase 3 - 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					21.5887	0.0000	21.5887	7.6510	0.0000	7.6510			0.0000			0.0000
Off-Road	22.8440	307.3859	139.4016	0.3494		10.3429	10.3429		9.5155	9.5155		35,155.5627	35,155.5627	10.9444		35,429.1728
Total	22.8440	307.3859	139.4016	0.3494	21.5887	10.3429	31.9316	7.6510	9.5155	17.1665		35,155.5627	35,155.5627	10.9444		35,429.1728

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

3.10 Grading-Phase 3 - 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	0.2384	0.1717	1.9170	5.0500e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		502.4458	502.4458	0.0172		502.8756
Total	0.2384	0.1717	1.9170	5.0500e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		502.4458	502.4458	0.0172		502.8756

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					8.4196	0.0000	8.4196	2.9839	0.0000	2.9839			0.0000			0.0000
Off-Road	4.3031	59.7839	166.0901	0.3494		0.7400	0.7400		0.7400	0.7400	0.0000	35,155.5627	35,155.5627	10.9444		35,429.1728
Total	4.3031	59.7839	166.0901	0.3494	8.4196	0.7400	9.1595	2.9839	0.7400	3.7239	0.0000	35,155.5627	35,155.5627	10.9444		35,429.1728

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

3.10 Grading-Phase 3 - 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	0.2384	0.1717	1.9170	5.0500e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		502.4458	502.4458	0.0172		502.8756
Total	0.2384	0.1717	1.9170	5.0500e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		502.4458	502.4458	0.0172		502.8756

3.11 Surface Improvements-Phase 1 - 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	4.8467	58.1728	33.9087	0.0621		2.4886	2.4886		2.2895	2.2895		6,245.7002	6,245.7002	1.9444		6,294.3095
Paving	4.0142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	8.8609	58.1728	33.9087	0.0621		2.4886	2.4886		2.2895	2.2895		6,245.7002	6,245.7002	1.9444		6,294.3095

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

3.11 Surface Improvements-Phase 1 - 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	0.0206	0.5270	0.1396	1.1100e-003	0.0271	4.1200e-003	0.0312	7.8000e-003	3.9400e-003	0.0117		119.2760	119.2760	9.4500e-003		119.5123
Worker	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984
Total	0.1058	0.5883	0.8242	2.9100e-003	0.1914	5.3000e-003	0.1967	0.0514	5.0300e-003	0.0564		298.7209	298.7209	0.0156		299.1107

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	1.2581	9.6289	31.4742	0.0621		0.4204	0.4204		0.3937	0.3937	0.0000	6,245.7002	6,245.7002	1.9444		6,294.3095
Paving	4.0142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	5.2723	9.6289	31.4742	0.0621		0.4204	0.4204		0.3937	0.3937	0.0000	6,245.7002	6,245.7002	1.9444		6,294.3095

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

3.11 Surface Improvements-Phase 1 - 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	0.0206	0.5270	0.1396	1.1100e-003	0.0271	4.1200e-003	0.0312	7.8000e-003	3.9400e-003	0.0117		119.2760	119.2760	9.4500e-003		119.5123
Worker	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984
Total	0.1058	0.5883	0.8242	2.9100e-003	0.1914	5.3000e-003	0.1967	0.0514	5.0300e-003	0.0564		298.7209	298.7209	0.0156		299.1107

3.12 Paving-Country Club & Nutmeg - 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	3.5674	38.4490	22.8433	0.0469		1.8166	1.8166		1.6713	1.6713		4,722.8544	4,722.8544	1.4703		4,759.6116
Paving	4.4368					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	8.0042	38.4490	22.8433	0.0469		1.8166	1.8166		1.6713	1.6713		4,722.8544	4,722.8544	1.4703		4,759.6116

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

3.12 Paving-Country Club & Nutmeg - 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	0.1107	0.0797	0.8901	2.3400e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		233.2784	233.2784	7.9800e-003		233.4779
Total	0.1107	0.0797	0.8901	2.3400e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		233.2784	233.2784	7.9800e-003		233.4779

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	0.9338	6.9677	27.0844	0.0469		0.3013	0.3013		0.2825	0.2825	0.0000	4,722.8544	4,722.8544	1.4703		4,759.6116
Paving	4.4368					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	5.3706	6.9677	27.0844	0.0469		0.3013	0.3013		0.2825	0.2825	0.0000	4,722.8544	4,722.8544	1.4703		4,759.6116

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

3.12 Paving-Country Club & Nutmeg - 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	0.1107	0.0797	0.8901	2.3400e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		233.2784	233.2784	7.9800e-003		233.4779
Total	0.1107	0.0797	0.8901	2.3400e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		233.2784	233.2784	7.9800e-003		233.4779

3.13 Grading-Phase 4 - 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					21.5887	0.0000	21.5887	7.6510	0.0000	7.6510			0.0000			0.0000
Off-Road	22.8440	307.3859	139.4016	0.3494		10.3429	10.3429		9.5155	9.5155		35,155.5627	35,155.5627	10.9444		35,429.1728
Total	22.8440	307.3859	139.4016	0.3494	21.5887	10.3429	31.9316	7.6510	9.5155	17.1665		35,155.5627	35,155.5627	10.9444		35,429.1728

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

3.13 Grading-Phase 4 - 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	0.2384	0.1717	1.9170	5.0500e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		502.4458	502.4458	0.0172		502.8756
Total	0.2384	0.1717	1.9170	5.0500e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		502.4458	502.4458	0.0172		502.8756

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					8.4196	0.0000	8.4196	2.9839	0.0000	2.9839			0.0000			0.0000
Off-Road	4.3031	59.7839	166.0901	0.3494		0.7400	0.7400		0.7400	0.7400	0.0000	35,155.5627	35,155.5627	10.9444		35,429.1728
Total	4.3031	59.7839	166.0901	0.3494	8.4196	0.7400	9.1595	2.9839	0.7400	3.7239	0.0000	35,155.5627	35,155.5627	10.9444		35,429.1728

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

3.13 Grading-Phase 4 - 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	0.2384	0.1717	1.9170	5.0500e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		502.4458	502.4458	0.0172		502.8756
Total	0.2384	0.1717	1.9170	5.0500e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		502.4458	502.4458	0.0172		502.8756

3.14 Import-Phase 3 - 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					6.7631	0.0000	6.7631	3.3994	0.0000	3.3994			0.0000			0.0000
Off-Road	3.2494	36.9313	22.9546	0.0332		1.5477	1.5477		1.4239	1.4239		3,341.3681	3,341.3681	1.0402		3,367.3734
Total	3.2494	36.9313	22.9546	0.0332	6.7631	1.5477	8.3109	3.3994	1.4239	4.8233		3,341.3681	3,341.3681	1.0402		3,367.3734

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

3.14 Import-Phase 3 - 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	1.7166	59.6471	12.3018	0.1508	3.2769	0.2346	3.5115	0.8981	0.2245	1.1225		16,403.9497	16,403.9497	1.4460		16,440.1001
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	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386
Total	1.7932	59.7023	12.9180	0.1525	3.4248	0.2357	3.6604	0.9373	0.2255	1.1627		16,565.4501	16,565.4501	1.4516		16,601.7387

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					2.6376	0.0000	2.6376	1.3258	0.0000	1.3258			0.0000			0.0000
Off-Road	0.4061	1.7597	14.8900	0.0332		0.0542	0.0542		0.0542	0.0542	0.0000	3,341.3681	3,341.3681	1.0402		3,367.3734
Total	0.4061	1.7597	14.8900	0.0332	2.6376	0.0542	2.6918	1.3258	0.0542	1.3799	0.0000	3,341.3681	3,341.3681	1.0402		3,367.3734

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

3.14 Import-Phase 3 - 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	1.7166	59.6471	12.3018	0.1508	3.2769	0.2346	3.5115	0.8981	0.2245	1.1225		16,403.9497	16,403.9497	1.4460		16,440.1001
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	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386
Total	1.7932	59.7023	12.9180	0.1525	3.4248	0.2357	3.6604	0.9373	0.2255	1.1627		16,565.4501	16,565.4501	1.4516		16,601.7387

3.15 Trenching DU-Phase 2 - 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	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201		2,369.5662	2,369.5662	0.7377		2,388.0082
Total	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201		2,369.5662	2,369.5662	0.7377		2,388.0082

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

3.15 Trenching DU-Phase 2 - 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	0.0596	0.0429	0.4793	1.2600e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		125.6114	125.6114	4.3000e-003		125.7189
Total	0.0596	0.0429	0.4793	1.2600e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		125.6114	125.6114	4.3000e-003		125.7189

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	0.2900	1.2565	15.8698	0.0235		0.0387	0.0387		0.0387	0.0387	0.0000	2,369.5662	2,369.5662	0.7377		2,388.0082
Total	0.2900	1.2565	15.8698	0.0235		0.0387	0.0387		0.0387	0.0387	0.0000	2,369.5662	2,369.5662	0.7377		2,388.0082

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

3.15 Trenching DU-Phase 2 - 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	0.0596	0.0429	0.4793	1.2600e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		125.6114	125.6114	4.3000e-003		125.7189
Total	0.0596	0.0429	0.4793	1.2600e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		125.6114	125.6114	4.3000e-003		125.7189

3.16 Import-Phase 4 - 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					6.7631	0.0000	6.7631	3.3994	0.0000	3.3994			0.0000			0.0000
Off-Road	3.7061	41.5567	25.0233	0.0397		1.7371	1.7371		1.5981	1.5981		3,994.9995	3,994.9995	1.2437		4,026.0920
Total	3.7061	41.5567	25.0233	0.0397	6.7631	1.7371	8.5002	3.3994	1.5981	4.9975		3,994.9995	3,994.9995	1.2437		4,026.0920

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3.16 Import-Phase 4 - 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	1.7163	59.6388	12.3001	0.1508	3.2764	0.2346	3.5110	0.8979	0.2244	1.1224		16,401.6477	16,401.6477	1.4458		16,437.7931
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	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984
Total	1.8014	59.7001	12.9847	0.1526	3.4407	0.2358	3.6765	0.9415	0.2255	1.1670		16,581.0926	16,581.0926	1.4520		16,617.3915

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					2.6376	0.0000	2.6376	1.3258	0.0000	1.3258			0.0000			0.0000
Off-Road	0.4865	2.1082	17.8389	0.0397		0.0649	0.0649		0.0649	0.0649	0.0000	3,994.9995	3,994.9995	1.2437		4,026.0920
Total	0.4865	2.1082	17.8389	0.0397	2.6376	0.0649	2.7025	1.3258	0.0649	1.3906	0.0000	3,994.9995	3,994.9995	1.2437		4,026.0920

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

3.16 Import-Phase 4 - 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	1.7163	59.6388	12.3001	0.1508	3.2764	0.2346	3.5110	0.8979	0.2244	1.1224		16,401.6477	16,401.6477	1.4458		16,437.7931
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	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984
Total	1.8014	59.7001	12.9847	0.1526	3.4407	0.2358	3.6765	0.9415	0.2255	1.1670		16,581.0926	16,581.0926	1.4520		16,617.3915

3.17 Trenching WU-Phase 3 - 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	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631		5,751.6590	5,751.6590	1.7906		5,796.4233
Total	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631		5,751.6590	5,751.6590	1.7906		5,796.4233

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

3.17 Trenching WU-Phase 3 - 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	0.1107	0.0797	0.8901	2.3400e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		233.2784	233.2784	7.9800e-003		233.4779
Total	0.1107	0.0797	0.8901	2.3400e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		233.2784	233.2784	7.9800e-003		233.4779

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	0.7067	3.0623	30.7307	0.0572		0.0942	0.0942		0.0942	0.0942	0.0000	5,751.6590	5,751.6590	1.7906		5,796.4233
Total	0.7067	3.0623	30.7307	0.0572		0.0942	0.0942		0.0942	0.0942	0.0000	5,751.6590	5,751.6590	1.7906		5,796.4233

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3.17 Trenching WU-Phase 3 - 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	0.1107	0.0797	0.8901	2.3400e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		233.2784	233.2784	7.9800e-003		233.4779
Total	0.1107	0.0797	0.8901	2.3400e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		233.2784	233.2784	7.9800e-003		233.4779

3.18 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	2.8506	25.2288	18.7719	0.0288		1.6066	1.6066		1.5082	1.5082		2,810.8008	2,810.8008	0.7012		2,828.3317
Total	2.8506	25.2288	18.7719	0.0288		1.6066	1.6066		1.5082	1.5082		2,810.8008	2,810.8008	0.7012		2,828.3317

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

3.18 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
Vendor	0.2785	7.1147	1.8840	0.0151	0.3656	0.0556	0.4212	0.1052	0.0532	0.1585		1,610.225 3	1,610.225 3	0.1276		1,613.415 8
Worker	0.7747	0.5579	6.2303	0.0164	1.4951	0.0108	1.5059	0.3966	9.9300e-003	0.4065		1,632.948 7	1,632.948 7	0.0559		1,634.345 6
Total	1.0532	7.6726	8.1144	0.0315	1.8607	0.0664	1.9271	0.5018	0.0632	0.5650		3,243.174 0	3,243.174 0	0.1835		3,247.761 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	1.7245	16.1514	16.9290	0.0288		0.9494	0.9494		0.8956	0.8956	0.0000	2,810.800 8	2,810.800 8	0.7012		2,828.331 7
Total	1.7245	16.1514	16.9290	0.0288		0.9494	0.9494		0.8956	0.8956	0.0000	2,810.800 8	2,810.800 8	0.7012		2,828.331 7

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3.18 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
Vendor	0.2785	7.1147	1.8840	0.0151	0.3656	0.0556	0.4212	0.1052	0.0532	0.1585		1,610.225 3	1,610.225 3	0.1276		1,613.415 8
Worker	0.7747	0.5579	6.2303	0.0164	1.4951	0.0108	1.5059	0.3966	9.9300e-003	0.4065		1,632.948 7	1,632.948 7	0.0559		1,634.345 6
Total	1.0532	7.6726	8.1144	0.0315	1.8607	0.0664	1.9271	0.5018	0.0632	0.5650		3,243.174 0	3,243.174 0	0.1835		3,247.761 4

3.18 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	2.5115	22.7062	18.3139	0.0288		1.3802	1.3802		1.2958	1.2958		2,778.309 7	2,778.309 7	0.6904		2,795.570 0
Total	2.5115	22.7062	18.3139	0.0288		1.3802	1.3802		1.2958	1.2958		2,778.309 7	2,778.309 7	0.6904		2,795.570 0

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2485	6.6953	1.7285	0.0149	0.3656	0.0466	0.4121	0.1052	0.0446	0.1498		1,598.489 8	1,598.489 8	0.1234		1,601.575 1
Worker	0.7146	0.4987	5.6313	0.0159	1.4951	0.0107	1.5057	0.3966	9.8200e-003	0.4064		1,583.763 3	1,583.763 3	0.0506		1,585.027 7
Total	0.9632	7.1941	7.3598	0.0308	1.8607	0.0572	1.9179	0.5018	0.0544	0.5562		3,182.253 2	3,182.253 2	0.1740		3,186.602 8

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	1.5418	14.5636	16.6249	0.0288		0.8276	0.8276		0.7807	0.7807	0.0000	2,778.309 7	2,778.309 7	0.6904		2,795.570 0
Total	1.5418	14.5636	16.6249	0.0288		0.8276	0.8276		0.7807	0.7807	0.0000	2,778.309 7	2,778.309 7	0.6904		2,795.570 0

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2485	6.6953	1.7285	0.0149	0.3656	0.0466	0.4121	0.1052	0.0446	0.1498		1,598.489 8	1,598.489 8	0.1234		1,601.575 1
Worker	0.7146	0.4987	5.6313	0.0159	1.4951	0.0107	1.5057	0.3966	9.8200e-003	0.4064		1,583.763 3	1,583.763 3	0.0506		1,585.027 7
Total	0.9632	7.1941	7.3598	0.0308	1.8607	0.0572	1.9179	0.5018	0.0544	0.5562		3,182.253 2	3,182.253 2	0.1740		3,186.602 8

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2551	20.6494	17.9678	0.0288		1.1948	1.1948		1.1218	1.1218		2,735.699 9	2,735.699 9	0.6819		2,752.748 1
Total	2.2551	20.6494	17.9678	0.0288		1.1948	1.1948		1.1218	1.1218		2,735.699 9	2,735.699 9	0.6819		2,752.748 1

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2018	6.0889	1.5512	0.0148	0.3656	0.0298	0.3954	0.1052	0.0285	0.1337		1,587.816 4	1,587.816 4	0.1171		1,590.744 8
Worker	0.6679	0.4500	5.1590	0.0154	1.4951	0.0105	1.5056	0.3966	9.6700e-003	0.4062		1,533.799 6	1,533.799 6	0.0458		1,534.944 6
Total	0.8697	6.5389	6.7102	0.0302	1.8607	0.0403	1.9009	0.5018	0.0382	0.5400		3,121.616 1	3,121.616 1	0.1629		3,125.689 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	1.3984	13.2564	16.3879	0.0288		0.7237	0.7237		0.6827	0.6827	0.0000	2,735.699 9	2,735.699 9	0.6819		2,752.748 1
Total	1.3984	13.2564	16.3879	0.0288		0.7237	0.7237		0.6827	0.6827	0.0000	2,735.699 9	2,735.699 9	0.6819		2,752.748 1

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

3.18 Building Construction - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2018	6.0889	1.5512	0.0148	0.3656	0.0298	0.3954	0.1052	0.0285	0.1337		1,587.816 4	1,587.816 4	0.1171		1,590.744 8
Worker	0.6679	0.4500	5.1590	0.0154	1.4951	0.0105	1.5056	0.3966	9.6700e-003	0.4062		1,533.799 6	1,533.799 6	0.0458		1,534.944 6
Total	0.8697	6.5389	6.7102	0.0302	1.8607	0.0403	1.9009	0.5018	0.0382	0.5400		3,121.616 1	3,121.616 1	0.1629		3,125.689 4

3.18 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	2.0228	18.7492	17.6706	0.0288		1.0251	1.0251		0.9625	0.9625		2,736.043 8	2,736.043 8	0.6751		2,752.921 2
Total	2.0228	18.7492	17.6706	0.0288		1.0251	1.0251		0.9625	0.9625		2,736.043 8	2,736.043 8	0.6751		2,752.921 2

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1633	5.4988	1.4013	0.0146	0.3656	0.0116	0.3771	0.1052	0.0110	0.1163		1,573.3005	1,573.3005	0.1124		1,576.1109
Worker	0.6295	0.4090	4.8273	0.0149	1.4951	0.0103	1.5054	0.3966	9.5100e-003	0.4061		1,482.2824	1,482.2824	0.0423		1,483.3400
Total	0.7928	5.9078	6.2286	0.0295	1.8607	0.0219	1.8825	0.5018	0.0206	0.5224		3,055.5829	3,055.5829	0.1547		3,059.4509

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	1.2722	12.0466	16.1973	0.0288		0.6309	0.6309		0.5951	0.5951	0.0000	2,736.0438	2,736.0438	0.6751		2,752.9212
Total	1.2722	12.0466	16.1973	0.0288		0.6309	0.6309		0.5951	0.5951	0.0000	2,736.0438	2,736.0438	0.6751		2,752.9212

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1633	5.4988	1.4013	0.0146	0.3656	0.0116	0.3771	0.1052	0.0110	0.1163		1,573.3005	1,573.3005	0.1124		1,576.1109
Worker	0.6295	0.4090	4.8273	0.0149	1.4951	0.0103	1.5054	0.3966	9.5100e-003	0.4061		1,482.2824	1,482.2824	0.0423		1,483.3400
Total	0.7928	5.9078	6.2286	0.0295	1.8607	0.0219	1.8825	0.5018	0.0206	0.5224		3,055.5829	3,055.5829	0.1547		3,059.4509

3.18 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8146	16.7670	17.4392	0.0288		0.8645	0.8645		0.8122	0.8122		2,737.1520	2,737.1520	0.6711		2,753.9288
Total	1.8146	16.7670	17.4392	0.0288		0.8645	0.8645		0.8122	0.8122		2,737.1520	2,737.1520	0.6711		2,753.9288

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

3.18 Building Construction - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1519	5.1966	1.3272	0.0145	0.3656	9.9400e-003	0.3755	0.1052	9.5000e-003	0.1147		1,558.514 4	1,558.514 4	0.1090		1,561.238 8
Worker	0.5951	0.3730	4.4888	0.0143	1.4951	0.0101	1.5052	0.3966	9.3000e-003	0.4059		1,427.898 7	1,427.898 7	0.0388		1,428.868 2
Total	0.7470	5.5695	5.8160	0.0288	1.8607	0.0200	1.8807	0.5018	0.0188	0.5206		2,986.413 1	2,986.413 1	0.1478		2,990.107 0

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	1.1577	10.7710	16.0557	0.0288		0.5455	0.5455		0.5148	0.5148	0.0000	2,737.152 0	2,737.152 0	0.6711		2,753.928 8
Total	1.1577	10.7710	16.0557	0.0288		0.5455	0.5455		0.5148	0.5148	0.0000	2,737.152 0	2,737.152 0	0.6711		2,753.928 8

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

3.18 Building Construction - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1519	5.1966	1.3272	0.0145	0.3656	9.9400e-003	0.3755	0.1052	9.5000e-003	0.1147		1,558.514 4	1,558.514 4	0.1090		1,561.238 8
Worker	0.5951	0.3730	4.4888	0.0143	1.4951	0.0101	1.5052	0.3966	9.3000e-003	0.4059		1,427.898 7	1,427.898 7	0.0388		1,428.868 2
Total	0.7470	5.5695	5.8160	0.0288	1.8607	0.0200	1.8807	0.5018	0.0188	0.5206		2,986.413 1	2,986.413 1	0.1478		2,990.107 0

3.19 Paving-El Norte & Nutmeg - 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	3.5261	37.0742	24.9804	0.0458		1.8600	1.8600		1.7112	1.7112		4,607.841 6	4,607.841 6	1.4345		4,643.703 7
Paving	4.3230					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	7.8491	37.0742	24.9804	0.0458		1.8600	1.8600		1.7112	1.7112		4,607.841 6	4,607.841 6	1.4345		4,643.703 7

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

3.19 Paving-El Norte & Nutmeg - 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	0.1277	0.0920	1.0270	2.7000e-003	0.2464	1.7700e-003	0.2482	0.0654	1.6400e-003	0.0670		269.1674	269.1674	9.2100e-003		269.3976
Total	0.1277	0.0920	1.0270	2.7000e-003	0.2464	1.7700e-003	0.2482	0.0654	1.6400e-003	0.0670		269.1674	269.1674	9.2100e-003		269.3976

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	0.9219	6.9158	28.9489	0.0458		0.2997	0.2997		0.2809	0.2809	0.0000	4,607.8416	4,607.8416	1.4345		4,643.7037
Paving	4.3230					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	5.2449	6.9158	28.9489	0.0458		0.2997	0.2997		0.2809	0.2809	0.0000	4,607.8416	4,607.8416	1.4345		4,643.7037

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

3.19 Paving-El Norte & Nutmeg - 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	0.1277	0.0920	1.0270	2.7000e-003	0.2464	1.7700e-003	0.2482	0.0654	1.6400e-003	0.0670		269.1674	269.1674	9.2100e-003		269.3976
Total	0.1277	0.0920	1.0270	2.7000e-003	0.2464	1.7700e-003	0.2482	0.0654	1.6400e-003	0.0670		269.1674	269.1674	9.2100e-003		269.3976

3.20 Surface Improvements-Phase 2 - 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	5.3033	62.7982	35.9774	0.0686		2.6779	2.6779		2.4637	2.4637		6,899.3317	6,899.3317	2.1479		6,953.0281
Paving	6.0213					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	11.3247	62.7982	35.9774	0.0686		2.6779	2.6779		2.4637	2.4637		6,899.3317	6,899.3317	2.1479		6,953.0281

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3.20 Surface Improvements-Phase 2 - 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	0.0206	0.5270	0.1396	1.1100e-003	0.0271	4.1200e-003	0.0312	7.8000e-003	3.9400e-003	0.0117		119.2760	119.2760	9.4500e-003		119.5123
Worker	0.1022	0.0736	0.8216	2.1600e-003	0.1972	1.4200e-003	0.1986	0.0523	1.3100e-003	0.0536		215.3339	215.3339	7.3700e-003		215.5181
Total	0.1228	0.6006	0.9611	3.2700e-003	0.2242	5.5400e-003	0.2298	0.0601	5.2500e-003	0.0653		334.6098	334.6098	0.0168		335.0304

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	1.3385	9.9774	34.4231	0.0686		0.4312	0.4312		0.4044	0.4044	0.0000	6,899.3317	6,899.3317	2.1479		6,953.0281
Paving	6.0213					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	7.3599	9.9774	34.4231	0.0686		0.4312	0.4312		0.4044	0.4044	0.0000	6,899.3317	6,899.3317	2.1479		6,953.0281

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3.20 Surface Improvements-Phase 2 - 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	0.0206	0.5270	0.1396	1.1100e-003	0.0271	4.1200e-003	0.0312	7.8000e-003	3.9400e-003	0.0117		119.2760	119.2760	9.4500e-003		119.5123
Worker	0.1022	0.0736	0.8216	2.1600e-003	0.1972	1.4200e-003	0.1986	0.0523	1.3100e-003	0.0536		215.3339	215.3339	7.3700e-003		215.5181
Total	0.1228	0.6006	0.9611	3.2700e-003	0.2242	5.5400e-003	0.2298	0.0601	5.2500e-003	0.0653		334.6098	334.6098	0.0168		335.0304

3.21 Trenching DU-Phase 3 - 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	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201		2,369.5662	2,369.5662	0.7377		2,388.0082
Total	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201		2,369.5662	2,369.5662	0.7377		2,388.0082

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3.21 Trenching DU-Phase 3 - 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	0.0596	0.0429	0.4793	1.2600e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		125.6114	125.6114	4.3000e-003		125.7189
Total	0.0596	0.0429	0.4793	1.2600e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		125.6114	125.6114	4.3000e-003		125.7189

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	0.2900	1.2565	15.8698	0.0235		0.0387	0.0387		0.0387	0.0387	0.0000	2,369.5662	2,369.5662	0.7377		2,388.0082
Total	0.2900	1.2565	15.8698	0.0235		0.0387	0.0387		0.0387	0.0387	0.0000	2,369.5662	2,369.5662	0.7377		2,388.0082

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

3.21 Trenching DU-Phase 3 - 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	0.0596	0.0429	0.4793	1.2600e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		125.6114	125.6114	4.3000e-003		125.7189
Total	0.0596	0.0429	0.4793	1.2600e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		125.6114	125.6114	4.3000e-003		125.7189

3.22 Trenching WU-Phase 4 - 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	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631		5,751.6590	5,751.6590	1.7906		5,796.4233
Total	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631		5,751.6590	5,751.6590	1.7906		5,796.4233

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

3.22 Trenching WU-Phase 4 - 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	0.1107	0.0797	0.8901	2.3400e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		233.2784	233.2784	7.9800e-003		233.4779
Total	0.1107	0.0797	0.8901	2.3400e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		233.2784	233.2784	7.9800e-003		233.4779

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	0.7067	3.0623	30.7307	0.0572		0.0942	0.0942		0.0942	0.0942	0.0000	5,751.6590	5,751.6590	1.7906		5,796.4233
Total	0.7067	3.0623	30.7307	0.0572		0.0942	0.0942		0.0942	0.0942	0.0000	5,751.6590	5,751.6590	1.7906		5,796.4233

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

3.22 Trenching WU-Phase 4 - 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	0.1107	0.0797	0.8901	2.3400e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		233.2784	233.2784	7.9800e-003		233.4779
Total	0.1107	0.0797	0.8901	2.3400e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		233.2784	233.2784	7.9800e-003		233.4779

3.23 Surface Improvements-Phase 3 - 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	5.3033	62.7982	35.9774	0.0686		2.6779	2.6779		2.4637	2.4637		6,899.3317	6,899.3317	2.1479		6,953.0281
Paving	9.3665					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	14.6698	62.7982	35.9774	0.0686		2.6779	2.6779		2.4637	2.4637		6,899.3317	6,899.3317	2.1479		6,953.0281

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

3.23 Surface Improvements-Phase 3 - 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	0.0206	0.5270	0.1396	1.1100e-003	0.0271	4.1200e-003	0.0312	7.8000e-003	3.9400e-003	0.0117		119.2760	119.2760	9.4500e-003		119.5123
Worker	0.1022	0.0736	0.8216	2.1600e-003	0.1972	1.4200e-003	0.1986	0.0523	1.3100e-003	0.0536		215.3339	215.3339	7.3700e-003		215.5181
Total	0.1228	0.6006	0.9611	3.2700e-003	0.2242	5.5400e-003	0.2298	0.0601	5.2500e-003	0.0653		334.6098	334.6098	0.0168		335.0304

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	1.3385	9.9774	34.4231	0.0686		0.4312	0.4312		0.4044	0.4044	0.0000	6,899.3317	6,899.3317	2.1479		6,953.0281
Paving	9.3665					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	10.7050	9.9774	34.4231	0.0686		0.4312	0.4312		0.4044	0.4044	0.0000	6,899.3317	6,899.3317	2.1479		6,953.0281

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

3.23 Surface Improvements-Phase 3 - 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	0.0206	0.5270	0.1396	1.1100e-003	0.0271	4.1200e-003	0.0312	7.8000e-003	3.9400e-003	0.0117		119.2760	119.2760	9.4500e-003		119.5123
Worker	0.1022	0.0736	0.8216	2.1600e-003	0.1972	1.4200e-003	0.1986	0.0523	1.3100e-003	0.0536		215.3339	215.3339	7.3700e-003		215.5181
Total	0.1228	0.6006	0.9611	3.2700e-003	0.2242	5.5400e-003	0.2298	0.0601	5.2500e-003	0.0653		334.6098	334.6098	0.0168		335.0304

3.24 Trenching DU-Phase 4 - 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	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201		2,369.5662	2,369.5662	0.7377		2,388.0082
Total	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201		2,369.5662	2,369.5662	0.7377		2,388.0082

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

3.24 Trenching DU-Phase 4 - 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	0.0596	0.0429	0.4793	1.2600e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		125.6114	125.6114	4.3000e-003		125.7189
Total	0.0596	0.0429	0.4793	1.2600e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		125.6114	125.6114	4.3000e-003		125.7189

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	0.2900	1.2565	15.8698	0.0235		0.0387	0.0387		0.0387	0.0387	0.0000	2,369.5662	2,369.5662	0.7377		2,388.0082
Total	0.2900	1.2565	15.8698	0.0235		0.0387	0.0387		0.0387	0.0387	0.0000	2,369.5662	2,369.5662	0.7377		2,388.0082

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

3.24 Trenching DU-Phase 4 - 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	0.0596	0.0429	0.4793	1.2600e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		125.6114	125.6114	4.3000e-003		125.7189
Total	0.0596	0.0429	0.4793	1.2600e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		125.6114	125.6114	4.3000e-003		125.7189

3.24 Trenching DU-Phase 4 - 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	1.7737	17.2428	14.1265	0.0236		0.9512	0.9512		0.8751	0.8751		2,331.7128	2,331.7128	0.7377		2,350.1560
Total	1.7737	17.2428	14.1265	0.0236		0.9512	0.9512		0.8751	0.8751		2,331.7128	2,331.7128	0.7377		2,350.1560

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

3.24 Trenching DU-Phase 4 - 2019**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0550	0.0384	0.4332	1.2200e-003	0.1150	8.2000e-004	0.1158	0.0305	7.6000e-004	0.0313		121.8280	121.8280	3.8900e-003		121.9252
Total	0.0550	0.0384	0.4332	1.2200e-003	0.1150	8.2000e-004	0.1158	0.0305	7.6000e-004	0.0313		121.8280	121.8280	3.8900e-003		121.9252

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	0.2900	1.2565	15.8698	0.0236		0.0387	0.0387		0.0387	0.0387	0.0000	2,331.7128	2,331.7128	0.7377		2,350.1560
Total	0.2900	1.2565	15.8698	0.0236		0.0387	0.0387		0.0387	0.0387	0.0000	2,331.7128	2,331.7128	0.7377		2,350.1560

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

3.24 Trenching DU-Phase 4 - 2019**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0550	0.0384	0.4332	1.2200e-003	0.1150	8.2000e-004	0.1158	0.0305	7.6000e-004	0.0313		121.8280	121.8280	3.8900e-003		121.9252
Total	0.0550	0.0384	0.4332	1.2200e-003	0.1150	8.2000e-004	0.1158	0.0305	7.6000e-004	0.0313		121.8280	121.8280	3.8900e-003		121.9252

3.25 Surface Improvements-Phase 4 - 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	4.8722	56.7355	33.9976	0.0685		2.3865	2.3865		2.1956	2.1956		6,784.5501	6,784.5501	2.1466		6,838.2141
Paving	7.6635					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	12.5357	56.7355	33.9976	0.0685		2.3865	2.3865		2.1956	2.1956		6,784.5501	6,784.5501	2.1466		6,838.2141

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

3.25 Surface Improvements-Phase 4 - 2019**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0184	0.4960	0.1280	1.1000e-003	0.0271	3.4500e-003	0.0305	7.8000e-003	3.3000e-003	0.0111		118.4067	118.4067	9.1400e-003		118.6352
Worker	0.0942	0.0658	0.7426	2.1000e-003	0.1972	1.4100e-003	0.1986	0.0523	1.2900e-003	0.0536		208.8479	208.8479	6.6700e-003		209.0146
Total	0.1127	0.5617	0.8706	3.2000e-003	0.2242	4.8600e-003	0.2291	0.0601	4.5900e-003	0.0647		327.2546	327.2546	0.0158		327.6498

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	1.2702	9.0002	34.3833	0.0685		0.3856	0.3856		0.3625	0.3625	0.0000	6,784.5501	6,784.5501	2.1466		6,838.2141
Paving	7.6635					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	8.9337	9.0002	34.3833	0.0685		0.3856	0.3856		0.3625	0.3625	0.0000	6,784.5501	6,784.5501	2.1466		6,838.2141

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

3.25 Surface Improvements-Phase 4 - 2019**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0184	0.4960	0.1280	1.1000e-003	0.0271	3.4500e-003	0.0305	7.8000e-003	3.3000e-003	0.0111		118.4067	118.4067	9.1400e-003		118.6352
Worker	0.0942	0.0658	0.7426	2.1000e-003	0.1972	1.4100e-003	0.1986	0.0523	1.2900e-003	0.0536		208.8479	208.8479	6.6700e-003		209.0146
Total	0.1127	0.5617	0.8706	3.2000e-003	0.2242	4.8600e-003	0.2291	0.0601	4.5900e-003	0.0647		327.2546	327.2546	0.0158		327.6498

3.26 Architectural Coating - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	99.4776					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090		375.2641	375.2641	0.0244		375.8749
Total	99.7503	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090		375.2641	375.2641	0.0244		375.8749

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

3.26 Architectural Coating - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1177	0.0738	0.8879	2.8300e-003	0.2957	2.0000e-003	0.2977	0.0784	1.8400e-003	0.0803		282.4415	282.4415	7.6700e-003		282.6333
Total	0.1177	0.0738	0.8879	2.8300e-003	0.2957	2.0000e-003	0.2977	0.0784	1.8400e-003	0.0803		282.4415	282.4415	7.6700e-003		282.6333

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	99.4776					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090	0.0000	375.2641	375.2641	0.0244		375.8749
Total	99.7503	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090	0.0000	375.2641	375.2641	0.0244		375.8749

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

3.26 Architectural Coating - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1177	0.0738	0.8879	2.8300e-003	0.2957	2.0000e-003	0.2977	0.0784	1.8400e-003	0.0803		282.4415	282.4415	7.6700e-003		282.6333
Total	0.1177	0.0738	0.8879	2.8300e-003	0.2957	2.0000e-003	0.2977	0.0784	1.8400e-003	0.0803		282.4415	282.4415	7.6700e-003		282.6333

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

Improve Pedestrian Network

Provide Traffic Calming Measures

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.5540	23.7964	74.8467	0.2715	24.3084	0.2019	24.5102	6.4963	0.1880	6.6843		27,627.98 15	27,627.98 15	1.3523		27,661.79 00
Unmitigated	6.6879	24.4305	78.0067	0.2848	25.5878	0.2112	25.7990	6.8382	0.1967	7.0349		28,987.65 11	28,987.651 1	1.4106		29,022.91 55

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Condo/Townhouse	600.00	585.60	499.80	1,666,437	1,583,115
General Office Building	0.00	0.00	0.00		
Health Club	20.00	12.68	16.24	31,819	30,228
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Quality Restaurant	300.00	314.70	240.66	348,286	330,871
Recreational Swimming Pool	0.00	0.00	0.00		
Single Family Housing	3,320.00	3,456.12	3004.60	9,406,479	8,936,155
Supermarket	40.00	69.48	65.12	54,370	51,651
Total	4,280.00	4,438.58	3,826.42	11,507,390	10,932,020

4.3 Trip Type Information

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Condo/Townhouse	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Quality Restaurant	9.50	7.30	7.30	12.00	69.00	19.00	38	18	44
Recreational Swimming Pool	9.50	7.30	7.30	33.00	48.00	19.00	52	39	9
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
Supermarket	9.50	7.30	7.30	6.50	74.50	19.00	34	30	36

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Other Asphalt Surfaces	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Parking Lot	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
City Park	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Health Club	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Quality Restaurant	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Recreational Swimming Pool	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Condo/Townhouse	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Single Family Housing	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Supermarket	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

Exceed Title 24

Percent of Electricity Use Generated with Renewable 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	0.2354	2.0231	0.9409	0.0128		0.1626	0.1626		0.1626	0.1626		2,567.8379	2,567.8379	0.0492	0.0471	2,583.0973
NaturalGas Unmitigated	0.3347	2.8740	1.3169	0.0183		0.2313	0.2313		0.2313	0.2313		3,651.5311	3,651.5311	0.0700	0.0669	3,673.2303

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

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

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	2810.14	0.0303	0.2590	0.1102	1.6500e-003		0.0209	0.0209		0.0209	0.0209		330.6045	330.6045	6.3400e-003	6.0600e-003	332.5692
General Office Building	744.159	8.0300e-003	0.0730	0.0613	4.4000e-004		5.5400e-003	5.5400e-003		5.5400e-003	5.5400e-003		87.5481	87.5481	1.6800e-003	1.6100e-003	88.0684
Health Club	63.5068	6.8000e-004	6.2300e-003	5.2300e-003	4.0000e-005		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004		7.4714	7.4714	1.4000e-004	1.4000e-004	7.5158
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	1434.74	0.0155	0.1407	0.1182	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.7929	168.7929	3.2400e-003	3.0900e-003	169.7960
Recreational Swimming Pool	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
Single Family Housing	25916.5	0.2795	2.3884	1.0163	0.0153		0.1931	0.1931		0.1931	0.1931		3,049.0013	3,049.0013	0.0584	0.0559	3,067.1200
Supermarket	68.9589	7.4000e-004	6.7600e-003	5.6800e-003	4.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004		8.1128	8.1128	1.6000e-004	1.5000e-004	8.1610
Total		0.3347	2.8740	1.3169	0.0183		0.2313	0.2313		0.2313	0.2313		3,651.5311	3,651.5311	0.0700	0.0670	3,673.2303

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

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

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	2.03333	0.0219	0.1874	0.0797	1.2000e-003		0.0152	0.0152		0.0152	0.0152		239.2150	239.2150	4.5800e-003	4.3900e-003	240.6365
General Office Building	0.52829	5.7000e-003	0.0518	0.0435	3.1000e-004		3.9400e-003	3.9400e-003		3.9400e-003	3.9400e-003		62.1518	62.1518	1.1900e-003	1.1400e-003	62.5211
Health Club	0.0548054	5.9000e-004	5.3700e-003	4.5100e-003	3.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004		6.4477	6.4477	1.2000e-004	1.2000e-004	6.4860
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	1.32617	0.0143	0.1300	0.1092	7.8000e-004		9.8800e-003	9.8800e-003		9.8800e-003	9.8800e-003		156.0203	156.0203	2.9900e-003	2.8600e-003	156.9475
Recreational Swimming Pool	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
Single Family Housing	17.8248	0.1922	1.6427	0.6990	0.0105		0.1328	0.1328		0.1328	0.1328		2,097.0402	2,097.0402	0.0402	0.0385	2,109.5019
Supermarket	0.0591849	6.4000e-004	5.8000e-003	4.8700e-003	3.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		6.9629	6.9629	1.3000e-004	1.3000e-004	7.0043
Total		0.2354	2.0231	0.9409	0.0128		0.1626	0.1626		0.1626	0.1626		2,567.8379	2,567.8379	0.0492	0.0471	2,583.0973

6.0 Area Detail**6.1 Mitigation Measures Area**

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	23.2906	6.8757	35.1446	0.0432		0.7049	0.7049		0.7049	0.7049	0.0000	8,359.472 9	8,359.472 9	0.2153	0.1522	8,410.206 8
Unmitigated	29.1023	6.8757	35.1446	0.0432		0.7049	0.7049		0.7049	0.7049	0.0000	8,359.472 9	8,359.472 9	0.2153	0.1522	8,410.206 8

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

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	7.8557					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	19.5083					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.7609	6.5026	2.7671	0.0415		0.5257	0.5257		0.5257	0.5257	0.0000	8,301.1765	8,301.1765	0.1591	0.1522	8,350.5062
Landscaping	0.9773	0.3732	32.3775	1.7100e-003		0.1792	0.1792		0.1792	0.1792		58.2964	58.2964	0.0562		59.7005
Total	29.1023	6.8757	35.1446	0.0432		0.7049	0.7049		0.7049	0.7049	0.0000	8,359.4729	8,359.4729	0.2153	0.1522	8,410.2068

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.0441					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	19.5083					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.7609	6.5026	2.7671	0.0415		0.5257	0.5257		0.5257	0.5257	0.0000	8,301.176 5	8,301.176 5	0.1591	0.1522	8,350.506 2
Landscaping	0.9773	0.3732	32.3775	1.7100e-003		0.1792	0.1792		0.1792	0.1792		58.2964	58.2964	0.0562		59.7005
Total	23.2906	6.8757	35.1446	0.0432		0.7049	0.7049		0.7049	0.7049	0.0000	8,359.472 9	8,359.472 9	0.2153	0.1522	8,410.206 8

7.0 Water Detail**7.1 Mitigation Measures Water**

Use Reclaimed Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Summer

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

Escondido Villages Specific Plan Project

San Diego County APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	13.40	1000sqft	0.31	13,400.00	0
Other Asphalt Surfaces	63.00	Acre	63.00	2,744,280.00	0
Parking Lot	150.00	Space	1.35	60,000.00	0
City Park	57.11	Acre	57.11	2,487,711.60	0
Health Club	2.00	1000sqft	0.05	2,000.00	0
Quality Restaurant	3.00	1000sqft	0.07	3,000.00	0
Recreational Swimming Pool	2.50	1000sqft	0.06	2,500.00	0
Condo/Townhouse	60.00	Dwelling Unit	4.40	96,000.00	172
Single Family Housing	332.00	Dwelling Unit	27.61	743,800.00	950
Supermarket	1.00	1000sqft	0.02	1,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2023
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	500.76	CH4 Intensity (lb/MWhr)	0.02	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Based on applicant provided project schedule. SDG&E GHG emission factors adjusted for RPS in 2023.

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

Land Use - Based on Escondido Villages Specific Plan Project.

Construction Phase - Based on ECC Phased schedule.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - PH 1 ECC AQ EquipmentList

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - PH 1 ECC AQ EquipmentList

Off-road Equipment - PH 1 ECC AQ EquipmentList

Off-road Equipment - PH 2 ECC AQ EquipmentList

Off-road Equipment - PH 3 ECC AQ EquipmentList

Off-road Equipment - PH 4 ECC AQ EquipmentList

Off-road Equipment - PH 2 ECC AQ EquipmentList

Off-road Equipment - PH 3 ECC AQ EquipmentList

Off-road Equipment - PH 4 ECC AQ EquipmentList

Off-road Equipment - Off-Site-ECC-AQ-EquipmentList

Off-road Equipment - Off-Site-ECC-AQ-EquipmentList

Off-road Equipment - Off-Site-ECC-AQ-EquipmentList

Off-road Equipment - PH 1 ECC AQ EquipmentList

Off-road Equipment - PH 2 ECC AQ EquipmentList

Off-road Equipment - PH 3 ECC AQ EquipmentList

Off-road Equipment - PH 4 ECC AQ EquipmentList

Off-road Equipment - PH 1 ECC AQ EquipmentList

Off-road Equipment - PH 2 ECC AQ EquipmentList

Off-road Equipment - PH 3 ECC AQ EquipmentList

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

Off-road Equipment - PH 4 ECC AQ EquipmentList
Off-road Equipment - PH 1 ECC AQ EquipmentList

Off-road Equipment - PH 2 ECC AQ EquipmentList

Off-road Equipment - PH 3 ECC AQ EquipmentList

Off-road Equipment - PH 4 ECC AQ EquipmentList

Trips and VMT - CalEEMod defaults.

On-road Fugitive Dust - CalEEMod defaults.

Demolition - Based on square footage of existing golf course clubhouse and amenities.

Grading - PH 2 ECC AQ Equipmentlist, PH 3 ECC AQ EquipmentList, PH 4 ECC AQ EquipmentList

Architectural Coating - In accordance with SDAPCD Rule 67.0.1 and use of low-VOC coatings.

Vehicle Trips - Based on traffic impact assessment.

Vehicle Emission Factors - CalEEMod defaults.

Vehicle Emission Factors - CalEEMod defaults.

Vehicle Emission Factors - CalEEMod defaults.

Road Dust - CalEEMod defaults.

Woodstoves - Based on Escondido Village Specific Plan. No wood burning stoves or fireplaces will be installed.

Consumer Products - CalEEMod defaults.

Area Coating - CalEEMod defaults.

Landscape Equipment - CalEEMod defaults.

Energy Use - CalEEMod defaults.

Water And Wastewater - CalEEMod defaults.

Solid Waste - CalEEMod defaults.

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

Land Use Change - Based on conversion of the existing golf course and open space/parks planned.

Construction Off-road Equipment Mitigation - At least Tier 3 included for all construction equipment.

Mobile Land Use Mitigation - 75% of the project streets and intersections have traffic calming measures per the SAP. The trail system connects project site with off-site amenities.

Mobile Commute Mitigation -

Area Mitigation - Only natural gas hearths will be installed. Architectural coatings in accordance with SDAPCD Rule 67.0.1.

Energy Mitigation - All residential electricity use will be offset by solar PV. The project will exceed the 2016 Title 24 standards by 15%.

Water Mitigation - Project will utilize recycled water for landscaping and park irrigation and low-flow fixtures.

Waste Mitigation - 50% solid waste diversion assumed in accordance with AB 939.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	250	100
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	250	100
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	100
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	50
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	21.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	51.00

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	40.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	40.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	NumberGas	33.00	60.00
tblFireplaces	NumberGas	182.60	332.00
tblFireplaces	NumberNoFireplace	6.00	0.00
tblFireplaces	NumberNoFireplace	33.20	0.00
tblFireplaces	NumberWood	21.00	0.00
tblFireplaces	NumberWood	116.20	0.00

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

tblGrading	MaterialImported	0.00	28,500.00
tblGrading	MaterialImported	0.00	81,000.00
tblGrading	MaterialImported	0.00	70,500.00
tblLandUse	BuildingSpaceSquareFeet	60,000.00	96,000.00
tblLandUse	BuildingSpaceSquareFeet	597,600.00	743,800.00
tblLandUse	LandUseSquareFeet	60,000.00	96,000.00
tblLandUse	LandUseSquareFeet	597,600.00	743,800.00
tblLandUse	LotAcreage	3.75	4.40
tblLandUse	LotAcreage	107.79	27.61
tblOffRoadEquipment	HorsePower	187.00	179.00
tblOffRoadEquipment	HorsePower	187.00	179.00
tblOffRoadEquipment	HorsePower	187.00	179.00
tblOffRoadEquipment	HorsePower	187.00	179.00
tblOffRoadEquipment	HorsePower	130.00	121.00
tblOffRoadEquipment	HorsePower	130.00	173.00
tblOffRoadEquipment	HorsePower	130.00	173.00
tblOffRoadEquipment	HorsePower	130.00	121.00
tblOffRoadEquipment	HorsePower	130.00	121.00
tblOffRoadEquipment	HorsePower	130.00	121.00
tblOffRoadEquipment	HorsePower	130.00	173.00
tblOffRoadEquipment	HorsePower	132.00	173.00
tblOffRoadEquipment	HorsePower	132.00	173.00
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tblOffRoadEquipment	HorsePower	132.00	173.00
tblOffRoadEquipment	HorsePower	80.00	100.00
tblOffRoadEquipment	HorsePower	80.00	110.00
tblOffRoadEquipment	HorsePower	80.00	100.00

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

tbloffRoadEquipment	HorsePower	80.00	100.00
tbloffRoadEquipment	HorsePower	80.00	100.00
tbloffRoadEquipment	HorsePower	80.00	110.00
tbloffRoadEquipment	HorsePower	247.00	312.00
tbloffRoadEquipment	HorsePower	247.00	312.00
tbloffRoadEquipment	HorsePower	247.00	312.00
tbloffRoadEquipment	HorsePower	247.00	312.00
tbloffRoadEquipment	HorsePower	247.00	496.00
tbloffRoadEquipment	HorsePower	247.00	496.00
tbloffRoadEquipment	HorsePower	247.00	496.00
tbloffRoadEquipment	HorsePower	367.00	600.00
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tbloffRoadEquipment	HorsePower	367.00	600.00
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tbloffRoadEquipment	HorsePower	158.00	138.00
tbloffRoadEquipment	HorsePower	158.00	239.00
tbloffRoadEquipment	HorsePower	158.00	239.00
tbloffRoadEquipment	HorsePower	158.00	138.00
tbloffRoadEquipment	HorsePower	158.00	239.00
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tbloffRoadEquipment	HorsePower	187.00	240.00
tbloffRoadEquipment	HorsePower	187.00	179.00
tbloffRoadEquipment	HorsePower	187.00	179.00
tbloffRoadEquipment	HorsePower	187.00	179.00

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tbloffRoadEquipment	HorsePower	187.00	179.00
tbloffRoadEquipment	HorsePower	187.00	179.00
tbloffRoadEquipment	HorsePower	187.00	240.00
tbloffRoadEquipment	HorsePower	187.00	179.00
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tbloffRoadEquipment	HorsePower	402.00	200.00
tbloffRoadEquipment	HorsePower	402.00	775.00
tbloffRoadEquipment	HorsePower	402.00	200.00
tbloffRoadEquipment	HorsePower	402.00	200.00
tbloffRoadEquipment	HorsePower	402.00	200.00
tbloffRoadEquipment	HorsePower	402.00	200.00
tbloffRoadEquipment	HorsePower	402.00	300.00
tbloffRoadEquipment	HorsePower	402.00	200.00
tbloffRoadEquipment	HorsePower	402.00	200.00
tbloffRoadEquipment	HorsePower	402.00	775.00
tbloffRoadEquipment	HorsePower	402.00	200.00
tbloffRoadEquipment	HorsePower	402.00	200.00
tbloffRoadEquipment	HorsePower	402.00	200.00
tbloffRoadEquipment	HorsePower	402.00	200.00
tbloffRoadEquipment	HorsePower	402.00	200.00
tbloffRoadEquipment	HorsePower	402.00	200.00
tbloffRoadEquipment	HorsePower	402.00	200.00
tbloffRoadEquipment	HorsePower	402.00	200.00
tbloffRoadEquipment	HorsePower	402.00	775.00
tbloffRoadEquipment	HorsePower	402.00	200.00
tbloffRoadEquipment	HorsePower	402.00	300.00

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

tbloffRoadEquipment	HorsePower	402.00	200.00
tbloffRoadEquipment	HorsePower	402.00	200.00
tbloffRoadEquipment	HorsePower	402.00	200.00
tbloffRoadEquipment	HorsePower	402.00	775.00
tbloffRoadEquipment	HorsePower	172.00	222.00
tbloffRoadEquipment	HorsePower	172.00	148.00
tbloffRoadEquipment	HorsePower	203.00	89.00
tbloffRoadEquipment	HorsePower	203.00	160.00
tbloffRoadEquipment	HorsePower	203.00	89.00
tbloffRoadEquipment	HorsePower	203.00	311.00
tbloffRoadEquipment	HorsePower	203.00	311.00
tbloffRoadEquipment	HorsePower	203.00	164.00
tbloffRoadEquipment	HorsePower	203.00	311.00
tbloffRoadEquipment	HorsePower	203.00	164.00
tbloffRoadEquipment	HorsePower	203.00	89.00
tbloffRoadEquipment	HorsePower	203.00	89.00
tbloffRoadEquipment	HorsePower	203.00	89.00
tbloffRoadEquipment	HorsePower	203.00	311.00
tbloffRoadEquipment	HorsePower	203.00	164.00
tbloffRoadEquipment	HorsePower	203.00	164.00
tbloffRoadEquipment	HorsePower	203.00	89.00
tbloffRoadEquipment	HorsePower	203.00	89.00
tbloffRoadEquipment	HorsePower	203.00	164.00
tbloffRoadEquipment	HorsePower	203.00	89.00
tbloffRoadEquipment	HorsePower	203.00	164.00
tbloffRoadEquipment	HorsePower	203.00	89.00
tbloffRoadEquipment	HorsePower	203.00	311.00

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.02
tblProjectCharacteristics	CO2IntensityFactor	720.49	500.76
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

tblProjectCharacteristics	OperationalYear	2018	2023
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	913.00	54.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripNumber	18.00	34.00
tblTripsAndVMT	WorkerTripNumber	20.00	26.00
tblTripsAndVMT	WorkerTripNumber	45.00	56.00
tblTripsAndVMT	WorkerTripNumber	8.00	18.00
tblTripsAndVMT	WorkerTripNumber	13.00	14.00
tblTripsAndVMT	WorkerTripNumber	10.00	20.00
tblTripsAndVMT	WorkerTripNumber	25.00	26.00
tblTripsAndVMT	WorkerTripNumber	2,393.00	182.00
tblTripsAndVMT	WorkerTripNumber	20.00	30.00
tblTripsAndVMT	WorkerTripNumber	23.00	24.00
tblTripsAndVMT	WorkerTripNumber	45.00	56.00
tblTripsAndVMT	WorkerTripNumber	13.00	14.00
tblTripsAndVMT	WorkerTripNumber	25.00	26.00
tblTripsAndVMT	WorkerTripNumber	23.00	24.00
tblTripsAndVMT	WorkerTripNumber	13.00	14.00
tblTripsAndVMT	WorkerTripNumber	23.00	24.00
tblTripsAndVMT	WorkerTripNumber	479.00	36.00
tblTripsAndVMT	WorkerTripNumber	25.00	26.00
tblTripsAndVMT	WorkerTripNumber	45.00	56.00
tblTripsAndVMT	WorkerTripNumber	20.00	26.00
tblTripsAndVMT	WorkerTripNumber	8.00	18.00

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

tblTripsAndVMT	WorkerTripNumber	13.00	14.00
tblTripsAndVMT	WorkerTripNumber	25.00	26.00
tblTripsAndVMT	WorkerTripNumber	45.00	56.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	5.67	9.76
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	20.87	6.34
tblVehicleTrips	ST_TR	94.36	104.90
tblVehicleTrips	ST_TR	9.10	0.00
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	ST_TR	177.59	69.48
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	4.84	8.33
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	26.73	8.12
tblVehicleTrips	SU_TR	72.16	80.22
tblVehicleTrips	SU_TR	13.60	0.00
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	SU_TR	166.44	65.12
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	5.81	10.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	32.93	10.00
tblVehicleTrips	WD_TR	89.95	100.00
tblVehicleTrips	WD_TR	33.82	0.00
tblVehicleTrips	WD_TR	9.52	10.00
tblVehicleTrips	WD_TR	102.24	40.00

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tblWoodstoves	NumberCatalytic	3.00	0.00
tblWoodstoves	NumberCatalytic	16.60	0.00
tblWoodstoves	NumberNoncatalytic	3.00	0.00
tblWoodstoves	NumberNoncatalytic	16.60	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

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	58.4738	695.8756	330.6410	0.8167	44.7102	24.5373	69.2475	15.7050	22.5744	38.2793	0.0000	82,370.2785	82,370.2785	25.1976	0.0000	82,888.9923
2019	18.0762	104.5586	74.9291	0.1545	2.1999	4.7817	6.9816	0.5924	4.4271	5.0194	0.0000	15,365.0842	15,365.0842	3.7737	0.0000	15,459.4268
2020	3.2228	27.2387	24.5532	0.0577	1.8607	1.2356	3.0962	0.5018	1.1605	1.6623	0.0000	5,722.4561	5,722.4561	0.8498	0.0000	5,743.6998
2021	2.9088	24.6924	23.7687	0.0570	1.8607	1.0475	2.9081	0.5018	0.9835	1.4853	0.0000	5,660.1446	5,660.1446	0.8345	0.0000	5,681.0063
2022	102.5354	24.3253	26.3781	0.0630	2.1564	0.9959	3.1523	0.5802	0.9422	1.5225	0.0000	6,235.9960	6,235.9960	0.8549	0.0000	6,257.3691
Maximum	102.5354	695.8756	330.6410	0.8167	44.7102	24.5373	69.2475	15.7050	22.5744	38.2793	0.0000	82,370.2785	82,370.2785	25.1976	0.0000	82,888.9923

Escondido Villages Specific Plan Project - San Diego County APCD Air District, 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	23.8852	168.3986	395.3207	0.8167	18.3720	2.9396	20.5575	6.3707	2.8257	8.9133	0.0000	82,370.27 85	82,370.27 85	25.1976	0.0000	82,888.99 22
2019	12.0209	32.6943	75.3690	0.1545	2.1999	1.3157	3.5155	0.5924	1.2424	1.8348	0.0000	15,365.08 42	15,365.08 42	3.7737	0.0000	15,459.42 68
2020	2.3662	19.8456	22.9733	0.0577	1.8607	0.7645	2.6252	0.5018	0.7214	1.2232	0.0000	5,722.456 1	5,722.456 1	0.8498	0.0000	5,743.699 8
2021	2.1582	17.9899	22.2953	0.0570	1.8607	0.6532	2.5139	0.5018	0.6161	1.1179	0.0000	5,660.144 6	5,660.144 6	0.8345	0.0000	5,681.006 3
2022	101.8784	18.3292	24.9946	0.0630	2.1564	0.6769	2.8333	0.5802	0.6448	1.2250	0.0000	6,235.996 0	6,235.996 0	0.8549	0.0000	6,257.369 1
Maximum	101.8784	168.3986	395.3207	0.8167	18.3720	2.9396	20.5575	6.3707	2.8257	8.9133	0.0000	82,370.27 85	82,370.27 85	25.1976	0.0000	82,888.99 22

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	23.17	70.66	-12.64	0.00	49.89	80.52	62.47	52.20	79.89	70.16	0.00	0.00	0.00	0.00	0.00	0.00

Escondido Villages Specific Plan Project - San Diego County APCD Air District, 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	29.1023	6.8757	35.1446	0.0432		0.7049	0.7049		0.7049	0.7049	0.0000	8,359.472 9	8,359.472 9	0.2153	0.1522	8,410.206 8
Energy	0.3347	2.8740	1.3169	0.0183		0.2313	0.2313		0.2313	0.2313		3,651.5311	3,651.5311	0.0700	0.0669	3,673.230 3
Mobile	6.4709	25.1337	76.4640	0.2702	25.5878	0.2123	25.8001	6.8382	0.1977	7.0359		27,503.33 69	27,503.33 69	1.4150		27,538.71 23
Total	35.9079	34.8834	112.9255	0.3316	25.5878	1.1485	26.7362	6.8382	1.1339	7.9721	0.0000	39,514.34 09	39,514.34 09	1.7003	0.2191	39,622.14 94

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	23.2906	6.8757	35.1446	0.0432		0.7049	0.7049		0.7049	0.7049	0.0000	8,359.472 9	8,359.472 9	0.2153	0.1522	8,410.206 8
Energy	0.2354	2.0231	0.9409	0.0128		0.1626	0.1626		0.1626	0.1626		2,567.837 9	2,567.837 9	0.0492	0.0471	2,583.097 3
Mobile	6.3396	24.4571	73.5842	0.2574	24.3084	0.2030	24.5114	6.4963	0.1890	6.6853		26,210.02 54	26,210.02 54	1.3584		26,243.98 57
Total	29.8656	33.3559	109.6697	0.3135	24.3084	1.0705	25.3789	6.4963	1.0566	7.5528	0.0000	37,137.33 61	37,137.33 61	1.6229	0.1993	37,237.28 97

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	16.83	4.38	2.88	5.47	5.00	6.79	5.08	5.00	6.82	5.26	0.00	6.02	6.02	4.55	9.06	6.02

3.0 Construction Detail

Construction Phase

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition-Phase 1	Demolition	1/2/2018	3/5/2018	5	45	
2	Grading-Phase 1	Grading	3/6/2018	5/24/2018	5	58	
3	Trenching WU-Phase 1	Trenching	4/2/2018	7/25/2018	5	83	
4	Grading-Phase 2	Grading	5/14/2018	7/6/2018	5	40	
5	Paving-Country Club & El Norte	Paving	5/21/2018	7/18/2018	5	43	
6	Import-Phase 2	Site Preparation	6/11/2018	8/14/2018	5	47	
7	Trenching DU-Phase 1	Trenching	6/25/2018	8/13/2018	5	36	
8	Trenching WU-Phase 2	Trenching	6/25/2018	9/11/2018	5	57	
9	Grading-Phase 3	Grading	7/9/2018	8/10/2018	5	25	
10	Surface Improvements-Phase 1	Paving	7/16/2018	9/11/2018	5	42	
11	Paving-Country Club & Nutmeg	Paving	7/19/2018	9/10/2018	5	38	
12	Grading-Phase 4	Grading	8/13/2018	9/24/2018	5	31	
13	Import-Phase 3	Site Preparation	8/15/2018	9/10/2018	5	19	
14	Trenching DU-Phase 2	Trenching	8/27/2018	9/28/2018	5	25	
15	Import-Phase 4	Site Preparation	9/11/2018	11/23/2018	5	54	
16	Trenching WU-Phase 3	Trenching	9/12/2018	10/30/2018	5	35	
17	Building Construction	Building Construction	9/12/2018	12/13/2022	5	1110	
18	Paving-El Norte & Nutmeg	Paving	9/12/2018	11/5/2018	5	39	
19	Surface Improvements-Phase 2	Paving	9/17/2018	10/24/2018	5	28	
20	Trenching DU-Phase 3	Trenching	10/22/2018	11/9/2018	5	15	
21	Trenching WU-Phase 4	Trenching	10/29/2018	12/27/2018	5	44	
22	Surface Improvements-Phase 3	Paving	11/1/2018	11/26/2018	5	18	
23	Trenching DU-Phase 4	Trenching	12/17/2018	1/10/2019	5	19	
24	Surface Improvements-Phase 4	Paving	1/2/2019	1/31/2019	5	22	
25	Architectural Coating	Architectural Coating	8/31/2022	12/13/2022	5	75	

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Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 0****Acres of Paving: 64.35****Residential Indoor: 1,700,595; Residential Outdoor: 566,865; Non-Residential Indoor: 29,100; Non-Residential Outdoor: 9,700; Striped Parking Area: 168,257 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition-Phase 1	Crawler Tractors	1	8.00	328	0.40
Demolition-Phase 1	Off-Highway Trucks	1	8.00	200	0.38
Demolition-Phase 1	Other Construction Equipment	5	8.00	222	0.42
Grading-Phase 1	Graders	2	8.00	179	0.41
Grading-Phase 1	Off-Highway Trucks	1	8.00	200	0.38
Grading-Phase 1	Off-Highway Trucks	4	8.00	775	0.38
Grading-Phase 1	Rubber Tired Dozers	2	8.00	312	0.40
Grading-Phase 1	Rubber Tired Loaders	1	8.00	311	0.36
Grading-Phase 1	Scrapers	8	8.00	600	0.48
Trenching WU-Phase 1	Excavators	2	8.00	239	0.38
Trenching WU-Phase 1	Off-Highway Trucks	4	8.00	200	0.38
Trenching WU-Phase 1	Rubber Tired Loaders	2	8.00	164	0.36
Trenching WU-Phase 1	Rubber Tired Loaders	2	8.00	89	0.36
Grading-Phase 2	Graders	2	8.00	179	0.41
Grading-Phase 2	Off-Highway Trucks	1	8.00	200	0.38
Grading-Phase 2	Off-Highway Trucks	4	8.00	775	0.38
Grading-Phase 2	Rubber Tired Dozers	2	8.00	312	0.40
Grading-Phase 2	Rubber Tired Loaders	1	8.00	311	0.36
Grading-Phase 2	Scrapers	8	8.00	600	0.48

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Paving-Country Club & El Norte	Excavators	1	8.00	138	0.38
Paving-Country Club & El Norte	Graders	1	8.00	240	0.41
Paving-Country Club & El Norte	Off-Highway Trucks	1	8.00	200	0.38
Paving-Country Club & El Norte	Off-Highway Trucks	1	8.00	300	0.38
Paving-Country Club & El Norte	Pavers	1	8.00	173	0.42
Paving-Country Club & El Norte	Rollers	1	8.00	110	0.38
Paving-Country Club & El Norte	Rubber Tired Loaders	1	8.00	160	0.36
Paving-Country Club & El Norte	Rubber Tired Loaders	1	8.00	89	0.36
Import-Phase 2	Graders	1	8.00	179	0.41
Import-Phase 2	Rubber Tired Dozers	1	8.00	496	0.40
Import-Phase 2	Rubber Tired Loaders	1	8.00	311	0.36
Trenching DU-Phase 1	Off-Highway Trucks	1	8.00	200	0.38
Trenching DU-Phase 1	Rubber Tired Loaders	2	8.00	164	0.36
Trenching DU-Phase 1	Tractors/Loaders/Backhoes	2	8.00	108	0.37
Trenching WU-Phase 2	Excavators	2	8.00	239	0.38
Trenching WU-Phase 2	Off-Highway Trucks	4	8.00	200	0.38
Trenching WU-Phase 2	Rubber Tired Loaders	2	8.00	164	0.36
Trenching WU-Phase 2	Rubber Tired Loaders	2	8.00	89	0.36
Grading-Phase 3	Graders	2	8.00	179	0.41
Grading-Phase 3	Off-Highway Trucks	1	8.00	200	0.38
Grading-Phase 3	Off-Highway Trucks	4	8.00	775	0.38
Grading-Phase 3	Rubber Tired Dozers	2	8.00	312	0.40
Grading-Phase 3	Rubber Tired Loaders	1	8.00	311	0.36
Grading-Phase 3	Scrapers	8	8.00	600	0.48
Surface Improvements-Phase 1	Graders	2	8.00	179	0.41
Surface Improvements-Phase 1	Pavers	1	8.00	121	0.42
Surface Improvements-Phase 1	Paving Equipment	1	8.00	173	0.36

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

Surface Improvements-Phase 1	Rollers	1	8.00	100	0.38
Surface Improvements-Phase 1	Rubber Tired Loaders	1	8.00	89	0.36
Surface Improvements-Phase 1	Scrapers	2	8.00	407	0.48
Paving-Country Club & Nutmeg	Excavators	1	8.00	138	0.38
Paving-Country Club & Nutmeg	Graders	1	8.00	240	0.41
Paving-Country Club & Nutmeg	Off-Highway Trucks	1	8.00	200	0.38
Paving-Country Club & Nutmeg	Off-Highway Trucks	1	8.00	300	0.38
Paving-Country Club & Nutmeg	Pavers	1	8.00	173	0.42
Paving-Country Club & Nutmeg	Rollers	1	8.00	110	0.38
Paving-Country Club & Nutmeg	Rubber Tired Loaders	1	8.00	160	0.36
Paving-Country Club & Nutmeg	Rubber Tired Loaders	1	8.00	89	0.36
Grading-Phase 4	Graders	2	8.00	179	0.41
Grading-Phase 4	Off-Highway Trucks	1	8.00	200	0.38
Grading-Phase 4	Off-Highway Trucks	4	8.00	775	0.38
Grading-Phase 4	Rubber Tired Dozers	2	8.00	312	0.40
Grading-Phase 4	Rubber Tired Loaders	1	8.00	311	0.36
Grading-Phase 4	Scrapers	8	8.00	600	0.48
Import-Phase 3	Graders	1	8.00	179	0.41
Import-Phase 3	Rubber Tired Dozers	1	8.00	496	0.40
Import-Phase 3	Rubber Tired Loaders	1	8.00	311	0.36
Trenching DU-Phase 2	Off-Highway Trucks	1	8.00	200	0.38
Trenching DU-Phase 2	Rubber Tired Loaders	2	8.00	164	0.36
Trenching DU-Phase 2	Tractors/Loaders/Backhoes	2	8.00	108	0.37
Import-Phase 4	Graders	1	8.00	179	0.41
Import-Phase 4	Off-Highway Trucks	1	8.00	200	0.38
Import-Phase 4	Rubber Tired Dozers	1	8.00	496	0.40
Import-Phase 4	Rubber Tired Loaders	1	8.00	311	0.36

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

Trenching WU-Phase 3	Excavators	2	8.00	239	0.38
Trenching WU-Phase 3	Off-Highway Trucks	4	8.00	200	0.38
Trenching WU-Phase 3	Rubber Tired Loaders	2	8.00	164	0.36
Trenching WU-Phase 3	Rubber Tired Loaders	2	8.00	89	0.36
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving-El Norte & Nutmeg	Excavators	1	8.00	138	0.38
Paving-El Norte & Nutmeg	Off-Highway Trucks	1	8.00	200	0.38
Paving-El Norte & Nutmeg	Off-Highway Trucks	1	8.00	300	0.38
Paving-El Norte & Nutmeg	Other Construction Equipment	3	8.00	148	0.42
Paving-El Norte & Nutmeg	Pavers	1	8.00	173	0.42
Paving-El Norte & Nutmeg	Rubber Tired Loaders	1	8.00	89	0.36
Surface Improvements-Phase 2	Graders	2	8.00	179	0.41
Surface Improvements-Phase 2	Off-Highway Trucks	1	8.00	200	0.38
Surface Improvements-Phase 2	Pavers	1	8.00	121	0.42
Surface Improvements-Phase 2	Paving Equipment	1	8.00	173	0.36
Surface Improvements-Phase 2	Rollers	1	8.00	100	0.38
Surface Improvements-Phase 2	Rubber Tired Loaders	1	8.00	89	0.36
Surface Improvements-Phase 2	Scrapers	2	8.00	407	0.48
Trenching DU-Phase 3	Off-Highway Trucks	1	8.00	200	0.38
Trenching DU-Phase 3	Rubber Tired Loaders	2	8.00	164	0.36
Trenching DU-Phase 3	Tractors/Loaders/Backhoes	2	8.00	108	0.37
Trenching WU-Phase 4	Excavators	2	8.00	239	0.38
Trenching WU-Phase 4	Off-Highway Trucks	4	8.00	200	0.38

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Trenching WU-Phase 4	Rubber Tired Loaders	2	8.00	164	0.36
Trenching WU-Phase 4	Rubber Tired Loaders	2	8.00	89	0.36
Surface Improvements-Phase 3	Graders	2	8.00	179	0.41
Surface Improvements-Phase 3	Off-Highway Trucks	1	8.00	200	0.38
Surface Improvements-Phase 3	Pavers	1	8.00	121	0.42
Surface Improvements-Phase 3	Paving Equipment	1	8.00	173	0.36
Surface Improvements-Phase 3	Rollers	1	8.00	100	0.38
Surface Improvements-Phase 3	Rubber Tired Loaders	1	8.00	89	0.36
Surface Improvements-Phase 3	Scrapers	2	8.00	407	0.48
Trenching DU-Phase 4	Off-Highway Trucks	1	8.00	200	0.38
Trenching DU-Phase 4	Rubber Tired Loaders	2	8.00	164	0.36
Trenching DU-Phase 4	Tractors/Loaders/Backhoes	2	8.00	108	0.37
Surface Improvements-Phase 4	Graders	2	8.00	179	0.41
Surface Improvements-Phase 4	Off-Highway Trucks	1	8.00	200	0.38
Surface Improvements-Phase 4	Pavers	1	8.00	121	0.42
Surface Improvements-Phase 4	Paving Equipment	1	8.00	173	0.36
Surface Improvements-Phase 4	Rollers	1	8.00	100	0.38
Surface Improvements-Phase 4	Rubber Tired Loaders	1	8.00	89	0.36
Surface Improvements-Phase 4	Scrapers	2	8.00	407	0.48
Architectural Coating	Air Compressors	1	8.00	78	0.48

Trips and VMT

Escondido Villages Specific Plan Project - San Diego County APCD Air District, 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-Phase 1	7	34.00	0.00	252.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading-Phase 1	18	56.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching WU-Phase 1	10	26.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading-Phase 2	18	56.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving-Country Club & El Norte	8	26.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Import-Phase 2	3	18.00	0.00	8,813.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching DU-Phase 1	5	14.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching WU-Phase 2	10	26.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading-Phase 3	18	56.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Surface Improvements-Phase 1	8	20.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving-Country Club & Nutmeg	8	26.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading-Phase 4	18	56.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Import-Phase 3	3	18.00	0.00	3,563.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching DU-Phase 2	5	14.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Import-Phase 4	4	20.00	0.00	10,125.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching WU-Phase 3	10	26.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	182.00	54.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving-El Norte & Nutmeg	8	30.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Surface Improvements-Phase 2	9	24.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching DU-Phase 3	5	14.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching WU-Phase 4	10	26.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Surface Improvements-Phase 3	9	24.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching DU-Phase 4	5	14.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Surface Improvements-Phase 4	9	24.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	36.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition-Phase 1 - 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					1.2247	0.0000	1.2247	0.1855	0.0000	0.1855			0.0000			0.0000
Off-Road	1.2526	14.7449	7.5809	0.0178		0.5814	0.5814		0.5349	0.5349		1,795.6007	1,795.6007	0.5590		1,809.5755
Total	1.2526	14.7449	7.5809	0.0178	1.2247	0.5814	1.8061	0.1855	0.5349	0.7204		1,795.6007	1,795.6007	0.5590		1,809.5755

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3.2 Demolition-Phase 1 - 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	0.0527	1.8003	0.3950	4.4300e-003	0.0979	7.1700e-003	0.1050	0.0268	6.8600e-003	0.0337		481.7337	481.7337	0.0448		482.8537
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	0.1635	0.1171	1.1041	2.8800e-003	0.2793	2.0100e-003	0.2813	0.0741	1.8500e-003	0.0759		286.3913	286.3913	9.9200e-003		286.6394
Total	0.2162	1.9173	1.4991	7.3100e-003	0.3772	9.1800e-003	0.3863	0.1009	8.7100e-003	0.1096		768.1250	768.1250	0.0547		769.4931

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4776	0.0000	0.4776	0.0723	0.0000	0.0723			0.0000			0.0000
Off-Road	0.2193	0.9501	8.0396	0.0178		0.0292	0.0292		0.0292	0.0292	0.0000	1,795.6007	1,795.6007	0.5590		1,809.5755
Total	0.2193	0.9501	8.0396	0.0178	0.4776	0.0292	0.5069	0.0723	0.0292	0.1016	0.0000	1,795.6007	1,795.6007	0.5590		1,809.5755

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3.2 Demolition-Phase 1 - 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	0.0527	1.8003	0.3950	4.4300e-003	0.0979	7.1700e-003	0.1050	0.0268	6.8600e-003	0.0337		481.7337	481.7337	0.0448		482.8537
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	0.1635	0.1171	1.1041	2.8800e-003	0.2793	2.0100e-003	0.2813	0.0741	1.8500e-003	0.0759		286.3913	286.3913	9.9200e-003		286.6394
Total	0.2162	1.9173	1.4991	7.3100e-003	0.3772	9.1800e-003	0.3863	0.1009	8.7100e-003	0.1096		768.1250	768.1250	0.0547		769.4931

3.3 Grading-Phase 1 - 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					21.5887	0.0000	21.5887	7.6510	0.0000	7.6510			0.0000			0.0000
Off-Road	22.8440	307.3859	139.4016	0.3494		10.3429	10.3429		9.5155	9.5155		35,155.5627	35,155.5627	10.9444		35,429.1728
Total	22.8440	307.3859	139.4016	0.3494	21.5887	10.3429	31.9316	7.6510	9.5155	17.1665		35,155.5627	35,155.5627	10.9444		35,429.1728

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.3 Grading-Phase 1 - 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	0.2693	0.1928	1.8185	4.7400e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		471.7033	471.7033	0.0164		472.1119
Total	0.2693	0.1928	1.8185	4.7400e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		471.7033	471.7033	0.0164		472.1119

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					8.4196	0.0000	8.4196	2.9839	0.0000	2.9839			0.0000			0.0000
Off-Road	4.3031	59.7839	166.0901	0.3494		0.7400	0.7400		0.7400	0.7400	0.0000	35,155.5627	35,155.5627	10.9444		35,429.1728
Total	4.3031	59.7839	166.0901	0.3494	8.4196	0.7400	9.1595	2.9839	0.7400	3.7239	0.0000	35,155.5627	35,155.5627	10.9444		35,429.1728

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.3 Grading-Phase 1 - 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	0.2693	0.1928	1.8185	4.7400e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		471.7033	471.7033	0.0164		472.1119
Total	0.2693	0.1928	1.8185	4.7400e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		471.7033	471.7033	0.0164		472.1119

3.4 Trenching WU-Phase 1 - 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	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631		5,751.6590	5,751.6590	1.7906		5,796.4233
Total	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631		5,751.6590	5,751.6590	1.7906		5,796.4233

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3.4 Trenching WU-Phase 1 - 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	0.1250	0.0895	0.8443	2.2000e-003	0.3992	1.5400e-003	0.4008	0.1022	1.4200e-003	0.1036		219.0051	219.0051	7.5900e-003		219.1948
Total	0.1250	0.0895	0.8443	2.2000e-003	0.3992	1.5400e-003	0.4008	0.1022	1.4200e-003	0.1036		219.0051	219.0051	7.5900e-003		219.1948

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	0.7067	3.0623	30.7307	0.0572		0.0942	0.0942		0.0942	0.0942	0.0000	5,751.6590	5,751.6590	1.7906		5,796.4233
Total	0.7067	3.0623	30.7307	0.0572		0.0942	0.0942		0.0942	0.0942	0.0000	5,751.6590	5,751.6590	1.7906		5,796.4233

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.4 Trenching WU-Phase 1 - 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	0.1250	0.0895	0.8443	2.2000e-003	0.3992	1.5400e-003	0.4008	0.1022	1.4200e-003	0.1036		219.0051	219.0051	7.5900e-003		219.1948
Total	0.1250	0.0895	0.8443	2.2000e-003	0.3992	1.5400e-003	0.4008	0.1022	1.4200e-003	0.1036		219.0051	219.0051	7.5900e-003		219.1948

3.5 Grading-Phase 2 - 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					21.5887	0.0000	21.5887	7.6510	0.0000	7.6510			0.0000			0.0000
Off-Road	22.8440	307.3859	139.4016	0.3494		10.3429	10.3429		9.5155	9.5155		35,155.5627	35,155.5627	10.9444		35,429.1728
Total	22.8440	307.3859	139.4016	0.3494	21.5887	10.3429	31.9316	7.6510	9.5155	17.1665		35,155.5627	35,155.5627	10.9444		35,429.1728

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.5 Grading-Phase 2 - 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	0.2693	0.1928	1.8185	4.7400e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		471.7033	471.7033	0.0164		472.1119
Total	0.2693	0.1928	1.8185	4.7400e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		471.7033	471.7033	0.0164		472.1119

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					8.4196	0.0000	8.4196	2.9839	0.0000	2.9839			0.0000			0.0000
Off-Road	4.3031	59.7839	166.0901	0.3494		0.7400	0.7400		0.7400	0.7400	0.0000	35,155.5627	35,155.5627	10.9444		35,429.1728
Total	4.3031	59.7839	166.0901	0.3494	8.4196	0.7400	9.1595	2.9839	0.7400	3.7239	0.0000	35,155.5627	35,155.5627	10.9444		35,429.1728

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.5 Grading-Phase 2 - 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	0.2693	0.1928	1.8185	4.7400e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		471.7033	471.7033	0.0164		472.1119
Total	0.2693	0.1928	1.8185	4.7400e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		471.7033	471.7033	0.0164		472.1119

3.6 Paving-Country Club & El Norte - 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	3.5674	38.4490	22.8433	0.0469		1.8166	1.8166		1.6713	1.6713		4,722.8544	4,722.8544	1.4703		4,759.6116
Paving	3.9209					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	7.4883	38.4490	22.8433	0.0469		1.8166	1.8166		1.6713	1.6713		4,722.8544	4,722.8544	1.4703		4,759.6116

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.6 Paving-Country Club & El Norte - 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	0.1250	0.0895	0.8443	2.2000e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		219.0051	219.0051	7.5900e-003		219.1948
Total	0.1250	0.0895	0.8443	2.2000e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		219.0051	219.0051	7.5900e-003		219.1948

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	0.9338	6.9677	27.0844	0.0469		0.3013	0.3013		0.2825	0.2825	0.0000	4,722.8544	4,722.8544	1.4703		4,759.6116
Paving	3.9209					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	4.8547	6.9677	27.0844	0.0469		0.3013	0.3013		0.2825	0.2825	0.0000	4,722.8544	4,722.8544	1.4703		4,759.6116

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.6 Paving-Country Club & El Norte - 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	0.1250	0.0895	0.8443	2.2000e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		219.0051	219.0051	7.5900e-003		219.1948
Total	0.1250	0.0895	0.8443	2.2000e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		219.0051	219.0051	7.5900e-003		219.1948

3.7 Import-Phase 2 - 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					6.7631	0.0000	6.7631	3.3994	0.0000	3.3994			0.0000			0.0000
Off-Road	3.2494	36.9313	22.9546	0.0332		1.5477	1.5477		1.4239	1.4239		3,341.3681	3,341.3681	1.0402		3,367.3734
Total	3.2494	36.9313	22.9546	0.0332	6.7631	1.5477	8.3109	3.3994	1.4239	4.8233		3,341.3681	3,341.3681	1.0402		3,367.3734

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3.7 Import-Phase 2 - 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	1.7656	60.2800	13.2255	0.1483	3.2766	0.2401	3.5168	0.8980	0.2298	1.1277		16,130.39 20	16,130.39 20	1.5001		16,167.89 36
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	1.8522	60.3420	13.8101	0.1498	3.4245	0.2412	3.6657	0.9372	0.2307	1.1679		16,282.01 09	16,282.01 09	1.5053		16,319.64 39

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					2.6376	0.0000	2.6376	1.3258	0.0000	1.3258			0.0000			0.0000
Off-Road	0.4061	1.7597	14.8900	0.0332		0.0542	0.0542		0.0542	0.0542	0.0000	3,341.368 1	3,341.368 1	1.0402		3,367.373 4
Total	0.4061	1.7597	14.8900	0.0332	2.6376	0.0542	2.6918	1.3258	0.0542	1.3799	0.0000	3,341.368 1	3,341.368 1	1.0402		3,367.373 4

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.7 Import-Phase 2 - 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	1.7656	60.2800	13.2255	0.1483	3.2766	0.2401	3.5168	0.8980	0.2298	1.1277		16,130.39 20	16,130.39 20	1.5001		16,167.89 36
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	1.8522	60.3420	13.8101	0.1498	3.4245	0.2412	3.6657	0.9372	0.2307	1.1679		16,282.01 09	16,282.01 09	1.5053		16,319.64 39

3.8 Trenching DU-Phase 1 - 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	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201		2,369.566 2	2,369.566 2	0.7377		2,388.008 2
Total	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201		2,369.566 2	2,369.566 2	0.7377		2,388.008 2

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.8 Trenching DU-Phase 1 - 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	0.0673	0.0482	0.4546	1.1800e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		117.9258	117.9258	4.0900e-003		118.0280
Total	0.0673	0.0482	0.4546	1.1800e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		117.9258	117.9258	4.0900e-003		118.0280

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	0.2900	1.2565	15.8698	0.0235		0.0387	0.0387		0.0387	0.0387	0.0000	2,369.5662	2,369.5662	0.7377		2,388.0082
Total	0.2900	1.2565	15.8698	0.0235		0.0387	0.0387		0.0387	0.0387	0.0000	2,369.5662	2,369.5662	0.7377		2,388.0082

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.8 Trenching DU-Phase 1 - 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	0.0673	0.0482	0.4546	1.1800e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		117.9258	117.9258	4.0900e-003		118.0280
Total	0.0673	0.0482	0.4546	1.1800e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		117.9258	117.9258	4.0900e-003		118.0280

3.9 Trenching WU-Phase 2 - 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	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631		5,751.6590	5,751.6590	1.7906		5,796.4233
Total	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631		5,751.6590	5,751.6590	1.7906		5,796.4233

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3.9 Trenching WU-Phase 2 - 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	0.1250	0.0895	0.8443	2.2000e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		219.0051	219.0051	7.5900e-003		219.1948
Total	0.1250	0.0895	0.8443	2.2000e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		219.0051	219.0051	7.5900e-003		219.1948

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	0.7067	3.0623	30.7307	0.0572		0.0942	0.0942		0.0942	0.0942	0.0000	5,751.6590	5,751.6590	1.7906		5,796.4233
Total	0.7067	3.0623	30.7307	0.0572		0.0942	0.0942		0.0942	0.0942	0.0000	5,751.6590	5,751.6590	1.7906		5,796.4233

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3.9 Trenching WU-Phase 2 - 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	0.1250	0.0895	0.8443	2.2000e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		219.0051	219.0051	7.5900e-003		219.1948
Total	0.1250	0.0895	0.8443	2.2000e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		219.0051	219.0051	7.5900e-003		219.1948

3.10 Grading-Phase 3 - 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					21.5887	0.0000	21.5887	7.6510	0.0000	7.6510			0.0000			0.0000
Off-Road	22.8440	307.3859	139.4016	0.3494		10.3429	10.3429		9.5155	9.5155		35,155.5627	35,155.5627	10.9444		35,429.1728
Total	22.8440	307.3859	139.4016	0.3494	21.5887	10.3429	31.9316	7.6510	9.5155	17.1665		35,155.5627	35,155.5627	10.9444		35,429.1728

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3.10 Grading-Phase 3 - 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	0.2693	0.1928	1.8185	4.7400e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		471.7033	471.7033	0.0164		472.1119
Total	0.2693	0.1928	1.8185	4.7400e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		471.7033	471.7033	0.0164		472.1119

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					8.4196	0.0000	8.4196	2.9839	0.0000	2.9839			0.0000			0.0000
Off-Road	4.3031	59.7839	166.0901	0.3494		0.7400	0.7400		0.7400	0.7400	0.0000	35,155.5627	35,155.5627	10.9444		35,429.1728
Total	4.3031	59.7839	166.0901	0.3494	8.4196	0.7400	9.1595	2.9839	0.7400	3.7239	0.0000	35,155.5627	35,155.5627	10.9444		35,429.1728

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.10 Grading-Phase 3 - 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	0.2693	0.1928	1.8185	4.7400e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		471.7033	471.7033	0.0164		472.1119
Total	0.2693	0.1928	1.8185	4.7400e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		471.7033	471.7033	0.0164		472.1119

3.11 Surface Improvements-Phase 1 - 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	4.8467	58.1728	33.9087	0.0621		2.4886	2.4886		2.2895	2.2895		6,245.7002	6,245.7002	1.9444		6,294.3095
Paving	4.0142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	8.8609	58.1728	33.9087	0.0621		2.4886	2.4886		2.2895	2.2895		6,245.7002	6,245.7002	1.9444		6,294.3095

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3.11 Surface Improvements-Phase 1 - 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	0.0215	0.5279	0.1544	1.0900e-003	0.0271	4.1900e-003	0.0313	7.8000e-003	4.0100e-003	0.0118		116.2792	116.2792	0.0101		116.5307
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	0.1177	0.5968	0.8039	2.7800e-003	0.1914	5.3700e-003	0.1968	0.0514	5.1000e-003	0.0565		284.7446	284.7446	0.0159		285.1421

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	1.2581	9.6289	31.4742	0.0621		0.4204	0.4204		0.3937	0.3937	0.0000	6,245.7002	6,245.7002	1.9444		6,294.3095
Paving	4.0142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	5.2723	9.6289	31.4742	0.0621		0.4204	0.4204		0.3937	0.3937	0.0000	6,245.7002	6,245.7002	1.9444		6,294.3095

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.11 Surface Improvements-Phase 1 - 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	0.0215	0.5279	0.1544	1.0900e-003	0.0271	4.1900e-003	0.0313	7.8000e-003	4.0100e-003	0.0118		116.2792	116.2792	0.0101		116.5307
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	0.1177	0.5968	0.8039	2.7800e-003	0.1914	5.3700e-003	0.1968	0.0514	5.1000e-003	0.0565		284.7446	284.7446	0.0159		285.1421

3.12 Paving-Country Club & Nutmeg - 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	3.5674	38.4490	22.8433	0.0469		1.8166	1.8166		1.6713	1.6713		4,722.8544	4,722.8544	1.4703		4,759.6116
Paving	4.4368					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	8.0042	38.4490	22.8433	0.0469		1.8166	1.8166		1.6713	1.6713		4,722.8544	4,722.8544	1.4703		4,759.6116

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.12 Paving-Country Club & Nutmeg - 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	0.1250	0.0895	0.8443	2.2000e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		219.0051	219.0051	7.5900e-003		219.1948
Total	0.1250	0.0895	0.8443	2.2000e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		219.0051	219.0051	7.5900e-003		219.1948

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	0.9338	6.9677	27.0844	0.0469		0.3013	0.3013		0.2825	0.2825	0.0000	4,722.8544	4,722.8544	1.4703		4,759.6116
Paving	4.4368					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	5.3706	6.9677	27.0844	0.0469		0.3013	0.3013		0.2825	0.2825	0.0000	4,722.8544	4,722.8544	1.4703		4,759.6116

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.12 Paving-Country Club & Nutmeg - 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	0.1250	0.0895	0.8443	2.2000e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		219.0051	219.0051	7.5900e-003		219.1948
Total	0.1250	0.0895	0.8443	2.2000e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		219.0051	219.0051	7.5900e-003		219.1948

3.13 Grading-Phase 4 - 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					21.5887	0.0000	21.5887	7.6510	0.0000	7.6510			0.0000			0.0000
Off-Road	22.8440	307.3859	139.4016	0.3494		10.3429	10.3429		9.5155	9.5155		35,155.5627	35,155.5627	10.9444		35,429.1728
Total	22.8440	307.3859	139.4016	0.3494	21.5887	10.3429	31.9316	7.6510	9.5155	17.1665		35,155.5627	35,155.5627	10.9444		35,429.1728

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.13 Grading-Phase 4 - 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	0.2693	0.1928	1.8185	4.7400e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		471.7033	471.7033	0.0164		472.1119
Total	0.2693	0.1928	1.8185	4.7400e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		471.7033	471.7033	0.0164		472.1119

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					8.4196	0.0000	8.4196	2.9839	0.0000	2.9839			0.0000			0.0000
Off-Road	4.3031	59.7839	166.0901	0.3494		0.7400	0.7400		0.7400	0.7400	0.0000	35,155.5627	35,155.5627	10.9444		35,429.1728
Total	4.3031	59.7839	166.0901	0.3494	8.4196	0.7400	9.1595	2.9839	0.7400	3.7239	0.0000	35,155.5627	35,155.5627	10.9444		35,429.1728

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.13 Grading-Phase 4 - 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	0.2693	0.1928	1.8185	4.7400e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		471.7033	471.7033	0.0164		472.1119
Total	0.2693	0.1928	1.8185	4.7400e-003	0.4600	3.3100e-003	0.4633	0.1220	3.0500e-003	0.1251		471.7033	471.7033	0.0164		472.1119

3.14 Import-Phase 3 - 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					6.7631	0.0000	6.7631	3.3994	0.0000	3.3994			0.0000			0.0000
Off-Road	3.2494	36.9313	22.9546	0.0332		1.5477	1.5477		1.4239	1.4239		3,341.3681	3,341.3681	1.0402		3,367.3734
Total	3.2494	36.9313	22.9546	0.0332	6.7631	1.5477	8.3109	3.3994	1.4239	4.8233		3,341.3681	3,341.3681	1.0402		3,367.3734

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.14 Import-Phase 3 - 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	1.7658	60.2851	13.2267	0.1483	3.2769	0.2402	3.5170	0.8981	0.2298	1.1278		16,131.7407	16,131.7407	1.5002		16,169.2454
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	1.8523	60.3470	13.8112	0.1499	3.4248	0.2412	3.6660	0.9373	0.2308	1.1680		16,283.3596	16,283.3596	1.5054		16,320.9956

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					2.6376	0.0000	2.6376	1.3258	0.0000	1.3258			0.0000			0.0000
Off-Road	0.4061	1.7597	14.8900	0.0332		0.0542	0.0542		0.0542	0.0542	0.0000	3,341.3681	3,341.3681	1.0402		3,367.3734
Total	0.4061	1.7597	14.8900	0.0332	2.6376	0.0542	2.6918	1.3258	0.0542	1.3799	0.0000	3,341.3681	3,341.3681	1.0402		3,367.3734

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.14 Import-Phase 3 - 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	1.7658	60.2851	13.2267	0.1483	3.2769	0.2402	3.5170	0.8981	0.2298	1.1278		16,131.7407	16,131.7407	1.5002		16,169.2454
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	1.8523	60.3470	13.8112	0.1499	3.4248	0.2412	3.6660	0.9373	0.2308	1.1680		16,283.3596	16,283.3596	1.5054		16,320.9956

3.15 Trenching DU-Phase 2 - 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	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201		2,369.5662	2,369.5662	0.7377		2,388.0082
Total	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201		2,369.5662	2,369.5662	0.7377		2,388.0082

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.15 Trenching DU-Phase 2 - 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	0.0673	0.0482	0.4546	1.1800e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		117.9258	117.9258	4.0900e-003		118.0280
Total	0.0673	0.0482	0.4546	1.1800e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		117.9258	117.9258	4.0900e-003		118.0280

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	0.2900	1.2565	15.8698	0.0235		0.0387	0.0387		0.0387	0.0387	0.0000	2,369.5662	2,369.5662	0.7377		2,388.0082
Total	0.2900	1.2565	15.8698	0.0235		0.0387	0.0387		0.0387	0.0387	0.0000	2,369.5662	2,369.5662	0.7377		2,388.0082

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.15 Trenching DU-Phase 2 - 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	0.0673	0.0482	0.4546	1.1800e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		117.9258	117.9258	4.0900e-003		118.0280
Total	0.0673	0.0482	0.4546	1.1800e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		117.9258	117.9258	4.0900e-003		118.0280

3.16 Import-Phase 4 - 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					6.7631	0.0000	6.7631	3.3994	0.0000	3.3994			0.0000			0.0000
Off-Road	3.7061	41.5567	25.0233	0.0397		1.7371	1.7371		1.5981	1.5981		3,994.9995	3,994.9995	1.2437		4,026.0920
Total	3.7061	41.5567	25.0233	0.0397	6.7631	1.7371	8.5002	3.3994	1.5981	4.9975		3,994.9995	3,994.9995	1.2437		4,026.0920

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.16 Import-Phase 4 - 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	1.7655	60.2766	13.2248	0.1483	3.2764	0.2401	3.5166	0.8979	0.2297	1.1277		16,129.4769	16,129.4769	1.5000		16,166.9763
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	0.0962	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	1.8617	60.3455	13.8742	0.1500	3.4407	0.2413	3.6820	0.9415	0.2308	1.1723		16,297.9423	16,297.9423	1.5058		16,335.5877

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					2.6376	0.0000	2.6376	1.3258	0.0000	1.3258			0.0000			0.0000
Off-Road	0.4865	2.1082	17.8389	0.0397		0.0649	0.0649		0.0649	0.0649	0.0000	3,994.9995	3,994.9995	1.2437		4,026.0920
Total	0.4865	2.1082	17.8389	0.0397	2.6376	0.0649	2.7025	1.3258	0.0649	1.3906	0.0000	3,994.9995	3,994.9995	1.2437		4,026.0920

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.16 Import-Phase 4 - 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	1.7655	60.2766	13.2248	0.1483	3.2764	0.2401	3.5166	0.8979	0.2297	1.1277		16,129.4769	16,129.4769	1.5000		16,166.9763
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	0.0962	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	1.8617	60.3455	13.8742	0.1500	3.4407	0.2413	3.6820	0.9415	0.2308	1.1723		16,297.9423	16,297.9423	1.5058		16,335.5877

3.17 Trenching WU-Phase 3 - 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	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631		5,751.6590	5,751.6590	1.7906		5,796.4233
Total	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631		5,751.6590	5,751.6590	1.7906		5,796.4233

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.17 Trenching WU-Phase 3 - 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	0.1250	0.0895	0.8443	2.2000e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		219.0051	219.0051	7.5900e-003		219.1948
Total	0.1250	0.0895	0.8443	2.2000e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		219.0051	219.0051	7.5900e-003		219.1948

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	0.7067	3.0623	30.7307	0.0572		0.0942	0.0942		0.0942	0.0942	0.0000	5,751.6590	5,751.6590	1.7906		5,796.4233
Total	0.7067	3.0623	30.7307	0.0572		0.0942	0.0942		0.0942	0.0942	0.0000	5,751.6590	5,751.6590	1.7906		5,796.4233

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.17 Trenching WU-Phase 3 - 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	0.1250	0.0895	0.8443	2.2000e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		219.0051	219.0051	7.5900e-003		219.1948
Total	0.1250	0.0895	0.8443	2.2000e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		219.0051	219.0051	7.5900e-003		219.1948

3.18 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	2.8506	25.2288	18.7719	0.0288		1.6066	1.6066		1.5082	1.5082		2,810.8008	2,810.8008	0.7012		2,828.3317
Total	2.8506	25.2288	18.7719	0.0288		1.6066	1.6066		1.5082	1.5082		2,810.8008	2,810.8008	0.7012		2,828.3317

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.18 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
Vendor	0.2903	7.1268	2.0845	0.0147	0.3656	0.0566	0.4221	0.1052	0.0541	0.1594		1,569.768 9	1,569.768 9	0.1358		1,573.164 8
Worker	0.8751	0.6266	5.9100	0.0154	1.4951	0.0108	1.5059	0.3966	9.9300e-003	0.4065		1,533.035 7	1,533.035 7	0.0531		1,534.363 8
Total	1.1654	7.7534	7.9945	0.0301	1.8607	0.0673	1.9280	0.5018	0.0641	0.5658		3,102.804 5	3,102.804 5	0.1890		3,107.528 6

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	1.7245	16.1514	16.9290	0.0288		0.9494	0.9494		0.8956	0.8956	0.0000	2,810.800 8	2,810.800 8	0.7012		2,828.331 7
Total	1.7245	16.1514	16.9290	0.0288		0.9494	0.9494		0.8956	0.8956	0.0000	2,810.800 8	2,810.800 8	0.7012		2,828.331 7

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.18 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
Vendor	0.2903	7.1268	2.0845	0.0147	0.3656	0.0566	0.4221	0.1052	0.0541	0.1594		1,569.768 9	1,569.768 9	0.1358		1,573.164 8
Worker	0.8751	0.6266	5.9100	0.0154	1.4951	0.0108	1.5059	0.3966	9.9300e-003	0.4065		1,533.035 7	1,533.035 7	0.0531		1,534.363 8
Total	1.1654	7.7534	7.9945	0.0301	1.8607	0.0673	1.9280	0.5018	0.0641	0.5658		3,102.804 5	3,102.804 5	0.1890		3,107.528 6

3.18 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	2.5115	22.7062	18.3139	0.0288		1.3802	1.3802		1.2958	1.2958		2,778.309 7	2,778.309 7	0.6904		2,795.570 0
Total	2.5115	22.7062	18.3139	0.0288		1.3802	1.3802		1.2958	1.2958		2,778.309 7	2,778.309 7	0.6904		2,795.570 0

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2592	6.7007	1.9165	0.0145	0.3656	0.0474	0.4130	0.1052	0.0454	0.1506		1,557.9014	1,557.9014	0.1313		1,561.1835
Worker	0.8082	0.5601	5.3216	0.0149	1.4951	0.0107	1.5057	0.3966	9.8200e-003	0.4064		1,486.7830	1,486.7830	0.0480		1,487.9824
Total	1.0675	7.2608	7.2380	0.0295	1.8607	0.0581	1.9187	0.5018	0.0552	0.5570		3,044.6844	3,044.6844	0.1793		3,049.1659

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	1.5418	14.5636	16.6249	0.0288		0.8276	0.8276		0.7807	0.7807	0.0000	2,778.3097	2,778.3097	0.6904		2,795.5700
Total	1.5418	14.5636	16.6249	0.0288		0.8276	0.8276		0.7807	0.7807	0.0000	2,778.3097	2,778.3097	0.6904		2,795.5700

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2592	6.7007	1.9165	0.0145	0.3656	0.0474	0.4130	0.1052	0.0454	0.1506		1,557.9014	1,557.9014	0.1313		1,561.1835
Worker	0.8082	0.5601	5.3216	0.0149	1.4951	0.0107	1.5057	0.3966	9.8200e-003	0.4064		1,486.7830	1,486.7830	0.0480		1,487.9824
Total	1.0675	7.2608	7.2380	0.0295	1.8607	0.0581	1.9187	0.5018	0.0552	0.5570		3,044.6844	3,044.6844	0.1793		3,049.1659

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2551	20.6494	17.9678	0.0288		1.1948	1.1948		1.1218	1.1218		2,735.6999	2,735.6999	0.6819		2,752.7481
Total	2.2551	20.6494	17.9678	0.0288		1.1948	1.1948		1.1218	1.1218		2,735.6999	2,735.6999	0.6819		2,752.7481

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2113	6.0840	1.7215	0.0144	0.3656	0.0304	0.3959	0.1052	0.0290	0.1343		1,546.8960	1,546.8960	0.1245		1,550.0078
Worker	0.7564	0.5052	4.8639	0.0145	1.4951	0.0105	1.5056	0.3966	9.6700e-003	0.4062		1,439.8602	1,439.8602	0.0434		1,440.9439
Total	0.9677	6.5893	6.5854	0.0289	1.8607	0.0409	1.9015	0.5018	0.0387	0.5405		2,986.7561	2,986.7561	0.1678		2,990.9517

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	1.3984	13.2564	16.3879	0.0288		0.7237	0.7237		0.6827	0.6827	0.0000	2,735.6999	2,735.6999	0.6819		2,752.7481
Total	1.3984	13.2564	16.3879	0.0288		0.7237	0.7237		0.6827	0.6827	0.0000	2,735.6999	2,735.6999	0.6819		2,752.7481

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.18 Building Construction - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2113	6.0840	1.7215	0.0144	0.3656	0.0304	0.3959	0.1052	0.0290	0.1343		1,546.8960	1,546.8960	0.1245		1,550.0078
Worker	0.7564	0.5052	4.8639	0.0145	1.4951	0.0105	1.5056	0.3966	9.6700e-003	0.4062		1,439.8602	1,439.8602	0.0434		1,440.9439
Total	0.9677	6.5893	6.5854	0.0289	1.8607	0.0409	1.9015	0.5018	0.0387	0.5405		2,986.7561	2,986.7561	0.1678		2,990.9517

3.18 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	2.0228	18.7492	17.6706	0.0288		1.0251	1.0251		0.9625	0.9625		2,736.0438	2,736.0438	0.6751		2,752.9212
Total	2.0228	18.7492	17.6706	0.0288		1.0251	1.0251		0.9625	0.9625		2,736.0438	2,736.0438	0.6751		2,752.9212

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1721	5.4842	1.5603	0.0143	0.3656	0.0120	0.3776	0.1052	0.0115	0.1167		1,532.624 2	1,532.624 2	0.1194		1,535.609 1
Worker	0.7139	0.4591	4.5377	0.0140	1.4951	0.0103	1.5054	0.3966	9.5100e-003	0.4061		1,391.476 6	1,391.476 6	0.0400		1,392.476 0
Total	0.8860	5.9433	6.0980	0.0282	1.8607	0.0224	1.8830	0.5018	0.0210	0.5228		2,924.100 8	2,924.100 8	0.1594		2,928.085 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					
Off-Road	1.2722	12.0466	16.1973	0.0288		0.6309	0.6309		0.5951	0.5951	0.0000	2,736.043 8	2,736.043 8	0.6751		2,752.921 2
Total	1.2722	12.0466	16.1973	0.0288		0.6309	0.6309		0.5951	0.5951	0.0000	2,736.043 8	2,736.043 8	0.6751		2,752.921 2

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1721	5.4842	1.5603	0.0143	0.3656	0.0120	0.3776	0.1052	0.0115	0.1167		1,532.624 2	1,532.624 2	0.1194		1,535.609 1
Worker	0.7139	0.4591	4.5377	0.0140	1.4951	0.0103	1.5054	0.3966	9.5100e-003	0.4061		1,391.476 6	1,391.476 6	0.0400		1,392.476 0
Total	0.8860	5.9433	6.0980	0.0282	1.8607	0.0224	1.8830	0.5018	0.0210	0.5228		2,924.100 8	2,924.100 8	0.1594		2,928.085 1

3.18 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8146	16.7670	17.4392	0.0288		0.8645	0.8645		0.8122	0.8122		2,737.152 0	2,737.152 0	0.6711		2,753.928 8
Total	1.8146	16.7670	17.4392	0.0288		0.8645	0.8645		0.8122	0.8122		2,737.152 0	2,737.152 0	0.6711		2,753.928 8

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.18 Building Construction - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1601	5.1790	1.4773	0.0141	0.3656	0.0104	0.3759	0.1052	9.9000e-003	0.1151		1,517.9541	1,517.9541	0.1156		1,520.8437
Worker	0.6765	0.4185	4.2106	0.0135	1.4951	0.0101	1.5052	0.3966	9.3000e-003	0.4059		1,340.4766	1,340.4766	0.0366		1,341.3916
Total	0.8366	5.5975	5.6879	0.0275	1.8607	0.0205	1.8811	0.5018	0.0192	0.5210		2,858.4307	2,858.4307	0.1522		2,862.2353

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	1.1577	10.7710	16.0557	0.0288		0.5455	0.5455		0.5148	0.5148	0.0000	2,737.1520	2,737.1520	0.6711		2,753.9288
Total	1.1577	10.7710	16.0557	0.0288		0.5455	0.5455		0.5148	0.5148	0.0000	2,737.1520	2,737.1520	0.6711		2,753.9288

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.18 Building Construction - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1601	5.1790	1.4773	0.0141	0.3656	0.0104	0.3759	0.1052	9.9000e-003	0.1151		1,517.9541	1,517.9541	0.1156		1,520.8437
Worker	0.6765	0.4185	4.2106	0.0135	1.4951	0.0101	1.5052	0.3966	9.3000e-003	0.4059		1,340.4766	1,340.4766	0.0366		1,341.3916
Total	0.8366	5.5975	5.6879	0.0275	1.8607	0.0205	1.8811	0.5018	0.0192	0.5210		2,858.4307	2,858.4307	0.1522		2,862.2353

3.19 Paving-El Norte & Nutmeg - 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	3.5261	37.0742	24.9804	0.0458		1.8600	1.8600		1.7112	1.7112		4,607.8416	4,607.8416	1.4345		4,643.7037
Paving	4.3230					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	7.8491	37.0742	24.9804	0.0458		1.8600	1.8600		1.7112	1.7112		4,607.8416	4,607.8416	1.4345		4,643.7037

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.19 Paving-El Norte & Nutmeg - 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	0.1443	0.1033	0.9742	2.5400e-003	0.2464	1.7700e-003	0.2482	0.0654	1.6400e-003	0.0670		252.6982	252.6982	8.7600e-003		252.9171
Total	0.1443	0.1033	0.9742	2.5400e-003	0.2464	1.7700e-003	0.2482	0.0654	1.6400e-003	0.0670		252.6982	252.6982	8.7600e-003		252.9171

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	0.9219	6.9158	28.9489	0.0458		0.2997	0.2997		0.2809	0.2809	0.0000	4,607.8416	4,607.8416	1.4345		4,643.7037
Paving	4.3230					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	5.2449	6.9158	28.9489	0.0458		0.2997	0.2997		0.2809	0.2809	0.0000	4,607.8416	4,607.8416	1.4345		4,643.7037

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.19 Paving-El Norte & Nutmeg - 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	0.1443	0.1033	0.9742	2.5400e-003	0.2464	1.7700e-003	0.2482	0.0654	1.6400e-003	0.0670		252.6982	252.6982	8.7600e-003		252.9171
Total	0.1443	0.1033	0.9742	2.5400e-003	0.2464	1.7700e-003	0.2482	0.0654	1.6400e-003	0.0670		252.6982	252.6982	8.7600e-003		252.9171

3.20 Surface Improvements-Phase 2 - 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	5.3033	62.7982	35.9774	0.0686		2.6779	2.6779		2.4637	2.4637		6,899.3317	6,899.3317	2.1479		6,953.0281
Paving	6.0213					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	11.3247	62.7982	35.9774	0.0686		2.6779	2.6779		2.4637	2.4637		6,899.3317	6,899.3317	2.1479		6,953.0281

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.20 Surface Improvements-Phase 2 - 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	0.0215	0.5279	0.1544	1.0900e-003	0.0271	4.1900e-003	0.0313	7.8000e-003	4.0100e-003	0.0118		116.2792	116.2792	0.0101		116.5307
Worker	0.1154	0.0826	0.7793	2.0300e-003	0.1972	1.4200e-003	0.1986	0.0523	1.3100e-003	0.0536		202.1586	202.1586	7.0100e-003		202.3337
Total	0.1369	0.6105	0.9337	3.1200e-003	0.2242	5.6100e-003	0.2298	0.0601	5.3200e-003	0.0654		318.4377	318.4377	0.0171		318.8644

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	1.3385	9.9774	34.4231	0.0686		0.4312	0.4312		0.4044	0.4044	0.0000	6,899.3317	6,899.3317	2.1479		6,953.0281
Paving	6.0213					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	7.3599	9.9774	34.4231	0.0686		0.4312	0.4312		0.4044	0.4044	0.0000	6,899.3317	6,899.3317	2.1479		6,953.0281

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.20 Surface Improvements-Phase 2 - 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	0.0215	0.5279	0.1544	1.0900e-003	0.0271	4.1900e-003	0.0313	7.8000e-003	4.0100e-003	0.0118		116.2792	116.2792	0.0101		116.5307
Worker	0.1154	0.0826	0.7793	2.0300e-003	0.1972	1.4200e-003	0.1986	0.0523	1.3100e-003	0.0536		202.1586	202.1586	7.0100e-003		202.3337
Total	0.1369	0.6105	0.9337	3.1200e-003	0.2242	5.6100e-003	0.2298	0.0601	5.3200e-003	0.0654		318.4377	318.4377	0.0171		318.8644

3.21 Trenching DU-Phase 3 - 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	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201		2,369.5662	2,369.5662	0.7377		2,388.0082
Total	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201		2,369.5662	2,369.5662	0.7377		2,388.0082

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.21 Trenching DU-Phase 3 - 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	0.0673	0.0482	0.4546	1.1800e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		117.9258	117.9258	4.0900e-003		118.0280
Total	0.0673	0.0482	0.4546	1.1800e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		117.9258	117.9258	4.0900e-003		118.0280

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	0.2900	1.2565	15.8698	0.0235		0.0387	0.0387		0.0387	0.0387	0.0000	2,369.5662	2,369.5662	0.7377		2,388.0082
Total	0.2900	1.2565	15.8698	0.0235		0.0387	0.0387		0.0387	0.0387	0.0000	2,369.5662	2,369.5662	0.7377		2,388.0082

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.21 Trenching DU-Phase 3 - 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	0.0673	0.0482	0.4546	1.1800e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		117.9258	117.9258	4.0900e-003		118.0280
Total	0.0673	0.0482	0.4546	1.1800e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		117.9258	117.9258	4.0900e-003		118.0280

3.22 Trenching WU-Phase 4 - 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	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631		5,751.6590	5,751.6590	1.7906		5,796.4233
Total	4.1473	42.0902	23.6690	0.0572		2.0251	2.0251		1.8631	1.8631		5,751.6590	5,751.6590	1.7906		5,796.4233

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.22 Trenching WU-Phase 4 - 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	0.1250	0.0895	0.8443	2.2000e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		219.0051	219.0051	7.5900e-003		219.1948
Total	0.1250	0.0895	0.8443	2.2000e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		219.0051	219.0051	7.5900e-003		219.1948

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	0.7067	3.0623	30.7307	0.0572		0.0942	0.0942		0.0942	0.0942	0.0000	5,751.6590	5,751.6590	1.7906		5,796.4233
Total	0.7067	3.0623	30.7307	0.0572		0.0942	0.0942		0.0942	0.0942	0.0000	5,751.6590	5,751.6590	1.7906		5,796.4233

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.22 Trenching WU-Phase 4 - 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	0.1250	0.0895	0.8443	2.2000e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		219.0051	219.0051	7.5900e-003		219.1948
Total	0.1250	0.0895	0.8443	2.2000e-003	0.2136	1.5400e-003	0.2151	0.0567	1.4200e-003	0.0581		219.0051	219.0051	7.5900e-003		219.1948

3.23 Surface Improvements-Phase 3 - 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	5.3033	62.7982	35.9774	0.0686		2.6779	2.6779		2.4637	2.4637		6,899.3317	6,899.3317	2.1479		6,953.0281
Paving	9.3665					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	14.6698	62.7982	35.9774	0.0686		2.6779	2.6779		2.4637	2.4637		6,899.3317	6,899.3317	2.1479		6,953.0281

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.23 Surface Improvements-Phase 3 - 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	0.0215	0.5279	0.1544	1.0900e-003	0.0271	4.1900e-003	0.0313	7.8000e-003	4.0100e-003	0.0118		116.2792	116.2792	0.0101		116.5307
Worker	0.1154	0.0826	0.7793	2.0300e-003	0.1972	1.4200e-003	0.1986	0.0523	1.3100e-003	0.0536		202.1586	202.1586	7.0100e-003		202.3337
Total	0.1369	0.6105	0.9337	3.1200e-003	0.2242	5.6100e-003	0.2298	0.0601	5.3200e-003	0.0654		318.4377	318.4377	0.0171		318.8644

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	1.3385	9.9774	34.4231	0.0686		0.4312	0.4312		0.4044	0.4044	0.0000	6,899.3317	6,899.3317	2.1479		6,953.0281
Paving	9.3665					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	10.7050	9.9774	34.4231	0.0686		0.4312	0.4312		0.4044	0.4044	0.0000	6,899.3317	6,899.3317	2.1479		6,953.0281

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.23 Surface Improvements-Phase 3 - 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	0.0215	0.5279	0.1544	1.0900e-003	0.0271	4.1900e-003	0.0313	7.8000e-003	4.0100e-003	0.0118		116.2792	116.2792	0.0101		116.5307
Worker	0.1154	0.0826	0.7793	2.0300e-003	0.1972	1.4200e-003	0.1986	0.0523	1.3100e-003	0.0536		202.1586	202.1586	7.0100e-003		202.3337
Total	0.1369	0.6105	0.9337	3.1200e-003	0.2242	5.6100e-003	0.2298	0.0601	5.3200e-003	0.0654		318.4377	318.4377	0.0171		318.8644

3.24 Trenching DU-Phase 4 - 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	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201		2,369.5662	2,369.5662	0.7377		2,388.0082
Total	1.9823	19.5782	14.4014	0.0235		1.1088	1.1088		1.0201	1.0201		2,369.5662	2,369.5662	0.7377		2,388.0082

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.24 Trenching DU-Phase 4 - 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	0.0673	0.0482	0.4546	1.1800e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		117.9258	117.9258	4.0900e-003		118.0280
Total	0.0673	0.0482	0.4546	1.1800e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		117.9258	117.9258	4.0900e-003		118.0280

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	0.2900	1.2565	15.8698	0.0235		0.0387	0.0387		0.0387	0.0387	0.0000	2,369.5662	2,369.5662	0.7377		2,388.0082
Total	0.2900	1.2565	15.8698	0.0235		0.0387	0.0387		0.0387	0.0387	0.0000	2,369.5662	2,369.5662	0.7377		2,388.0082

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.24 Trenching DU-Phase 4 - 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	0.0673	0.0482	0.4546	1.1800e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		117.9258	117.9258	4.0900e-003		118.0280
Total	0.0673	0.0482	0.4546	1.1800e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		117.9258	117.9258	4.0900e-003		118.0280

3.24 Trenching DU-Phase 4 - 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	1.7737	17.2428	14.1265	0.0236		0.9512	0.9512		0.8751	0.8751		2,331.7128	2,331.7128	0.7377		2,350.1560
Total	1.7737	17.2428	14.1265	0.0236		0.9512	0.9512		0.8751	0.8751		2,331.7128	2,331.7128	0.7377		2,350.1560

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.24 Trenching DU-Phase 4 - 2019**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0622	0.0431	0.4094	1.1500e-003	0.1150	8.2000e-004	0.1158	0.0305	7.6000e-004	0.0313		114.3679	114.3679	3.6900e-003		114.4602
Total	0.0622	0.0431	0.4094	1.1500e-003	0.1150	8.2000e-004	0.1158	0.0305	7.6000e-004	0.0313		114.3679	114.3679	3.6900e-003		114.4602

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	0.2900	1.2565	15.8698	0.0236		0.0387	0.0387		0.0387	0.0387	0.0000	2,331.7128	2,331.7128	0.7377		2,350.1560
Total	0.2900	1.2565	15.8698	0.0236		0.0387	0.0387		0.0387	0.0387	0.0000	2,331.7128	2,331.7128	0.7377		2,350.1560

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.24 Trenching DU-Phase 4 - 2019**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0622	0.0431	0.4094	1.1500e-003	0.1150	8.2000e-004	0.1158	0.0305	7.6000e-004	0.0313		114.3679	114.3679	3.6900e-003		114.4602
Total	0.0622	0.0431	0.4094	1.1500e-003	0.1150	8.2000e-004	0.1158	0.0305	7.6000e-004	0.0313		114.3679	114.3679	3.6900e-003		114.4602

3.25 Surface Improvements-Phase 4 - 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	4.8722	56.7355	33.9976	0.0685		2.3865	2.3865		2.1956	2.1956		6,784.5501	6,784.5501	2.1466		6,838.2141
Paving	7.6635					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	12.5357	56.7355	33.9976	0.0685		2.3865	2.3865		2.1956	2.1956		6,784.5501	6,784.5501	2.1466		6,838.2141

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.25 Surface Improvements-Phase 4 - 2019**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0192	0.4964	0.1420	1.0800e-003	0.0271	3.5100e-003	0.0306	7.8000e-003	3.3600e-003	0.0112		115.4001	115.4001	9.7200e-003		115.6432
Worker	0.1066	0.0739	0.7017	1.9700e-003	0.1972	1.4100e-003	0.1986	0.0523	1.2900e-003	0.0536		196.0593	196.0593	6.3300e-003		196.2175
Total	0.1258	0.5702	0.8437	3.0500e-003	0.2242	4.9200e-003	0.2292	0.0601	4.6500e-003	0.0647		311.4594	311.4594	0.0161		311.8607

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	1.2702	9.0002	34.3833	0.0685		0.3856	0.3856		0.3625	0.3625	0.0000	6,784.5501	6,784.5501	2.1466		6,838.2141
Paving	7.6635					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	8.9337	9.0002	34.3833	0.0685		0.3856	0.3856		0.3625	0.3625	0.0000	6,784.5501	6,784.5501	2.1466		6,838.2141

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.25 Surface Improvements-Phase 4 - 2019**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0192	0.4964	0.1420	1.0800e-003	0.0271	3.5100e-003	0.0306	7.8000e-003	3.3600e-003	0.0112		115.4001	115.4001	9.7200e-003		115.6432
Worker	0.1066	0.0739	0.7017	1.9700e-003	0.1972	1.4100e-003	0.1986	0.0523	1.2900e-003	0.0536		196.0593	196.0593	6.3300e-003		196.2175
Total	0.1258	0.5702	0.8437	3.0500e-003	0.2242	4.9200e-003	0.2292	0.0601	4.6500e-003	0.0647		311.4594	311.4594	0.0161		311.8607

3.26 Architectural Coating - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	99.4776					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090		375.2641	375.2641	0.0244		375.8749
Total	99.7503	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090		375.2641	375.2641	0.0244		375.8749

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.26 Architectural Coating - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1338	0.0828	0.8329	2.6600e-003	0.2957	2.0000e-003	0.2977	0.0784	1.8400e-003	0.0803		265.1492	265.1492	7.2400e-003		265.3302
Total	0.1338	0.0828	0.8329	2.6600e-003	0.2957	2.0000e-003	0.2977	0.0784	1.8400e-003	0.0803		265.1492	265.1492	7.2400e-003		265.3302

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	99.4776					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090	0.0000	375.2641	375.2641	0.0244		375.8749
Total	99.7503	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090	0.0000	375.2641	375.2641	0.0244		375.8749

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

3.26 Architectural Coating - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1338	0.0828	0.8329	2.6600e-003	0.2957	2.0000e-003	0.2977	0.0784	1.8400e-003	0.0803		265.1492	265.1492	7.2400e-003		265.3302
Total	0.1338	0.0828	0.8329	2.6600e-003	0.2957	2.0000e-003	0.2977	0.0784	1.8400e-003	0.0803		265.1492	265.1492	7.2400e-003		265.3302

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

Improve Pedestrian Network

Provide Traffic Calming Measures

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.3396	24.4571	73.5842	0.2574	24.3084	0.2030	24.5114	6.4963	0.1890	6.6853		26,210.0254	26,210.0254	1.3584		26,243.9857
Unmitigated	6.4709	25.1337	76.4640	0.2702	25.5878	0.2123	25.8001	6.8382	0.1977	7.0359		27,503.3369	27,503.3369	1.4150		27,538.7123

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Condo/Townhouse	600.00	585.60	499.80	1,666,437	1,583,115
General Office Building	0.00	0.00	0.00		
Health Club	20.00	12.68	16.24	31,819	30,228
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Quality Restaurant	300.00	314.70	240.66	348,286	330,871
Recreational Swimming Pool	0.00	0.00	0.00		
Single Family Housing	3,320.00	3,456.12	3004.60	9,406,479	8,936,155
Supermarket	40.00	69.48	65.12	54,370	51,651
Total	4,280.00	4,438.58	3,826.42	11,507,390	10,932,020

4.3 Trip Type Information

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Condo/Townhouse	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Quality Restaurant	9.50	7.30	7.30	12.00	69.00	19.00	38	18	44
Recreational Swimming Pool	9.50	7.30	7.30	33.00	48.00	19.00	52	39	9
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
Supermarket	9.50	7.30	7.30	6.50	74.50	19.00	34	30	36

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Other Asphalt Surfaces	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Parking Lot	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
City Park	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Health Club	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Quality Restaurant	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Recreational Swimming Pool	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Condo/Townhouse	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Single Family Housing	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056
Supermarket	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

Exceed Title 24

Percent of Electricity Use Generated with Renewable 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	0.2354	2.0231	0.9409	0.0128		0.1626	0.1626		0.1626	0.1626		2,567.8379	2,567.8379	0.0492	0.0471	2,583.0973
NaturalGas Unmitigated	0.3347	2.8740	1.3169	0.0183		0.2313	0.2313		0.2313	0.2313		3,651.5311	3,651.5311	0.0700	0.0669	3,673.2303

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

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

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	2810.14	0.0303	0.2590	0.1102	1.6500e-003		0.0209	0.0209		0.0209	0.0209		330.6045	330.6045	6.3400e-003	6.0600e-003	332.5692
General Office Building	744.159	8.0300e-003	0.0730	0.0613	4.4000e-004		5.5400e-003	5.5400e-003		5.5400e-003	5.5400e-003		87.5481	87.5481	1.6800e-003	1.6100e-003	88.0684
Health Club	63.5068	6.8000e-004	6.2300e-003	5.2300e-003	4.0000e-005		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004		7.4714	7.4714	1.4000e-004	1.4000e-004	7.5158
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	1434.74	0.0155	0.1407	0.1182	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.7929	168.7929	3.2400e-003	3.0900e-003	169.7960
Recreational Swimming Pool	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
Single Family Housing	25916.5	0.2795	2.3884	1.0163	0.0153		0.1931	0.1931		0.1931	0.1931		3,049.0013	3,049.0013	0.0584	0.0559	3,067.1200
Supermarket	68.9589	7.4000e-004	6.7600e-003	5.6800e-003	4.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004		8.1128	8.1128	1.6000e-004	1.5000e-004	8.1610
Total		0.3347	2.8740	1.3169	0.0183		0.2313	0.2313		0.2313	0.2313		3,651.5311	3,651.5311	0.0700	0.0670	3,673.2303

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

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

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	2.03333	0.0219	0.1874	0.0797	1.2000e-003		0.0152	0.0152		0.0152	0.0152		239.2150	239.2150	4.5800e-003	4.3900e-003	240.6365
General Office Building	0.52829	5.7000e-003	0.0518	0.0435	3.1000e-004		3.9400e-003	3.9400e-003		3.9400e-003	3.9400e-003		62.1518	62.1518	1.1900e-003	1.1400e-003	62.5211
Health Club	0.0548054	5.9000e-004	5.3700e-003	4.5100e-003	3.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004		6.4477	6.4477	1.2000e-004	1.2000e-004	6.4860
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	1.32617	0.0143	0.1300	0.1092	7.8000e-004		9.8800e-003	9.8800e-003		9.8800e-003	9.8800e-003		156.0203	156.0203	2.9900e-003	2.8600e-003	156.9475
Recreational Swimming Pool	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
Single Family Housing	17.8248	0.1922	1.6427	0.6990	0.0105		0.1328	0.1328		0.1328	0.1328		2,097.0402	2,097.0402	0.0402	0.0385	2,109.5019
Supermarket	0.0591849	6.4000e-004	5.8000e-003	4.8700e-003	3.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		6.9629	6.9629	1.3000e-004	1.3000e-004	7.0043
Total		0.2354	2.0231	0.9409	0.0128		0.1626	0.1626		0.1626	0.1626		2,567.8379	2,567.8379	0.0492	0.0471	2,583.0973

6.0 Area Detail**6.1 Mitigation Measures Area**

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	23.2906	6.8757	35.1446	0.0432		0.7049	0.7049		0.7049	0.7049	0.0000	8,359.472 9	8,359.472 9	0.2153	0.1522	8,410.206 8
Unmitigated	29.1023	6.8757	35.1446	0.0432		0.7049	0.7049		0.7049	0.7049	0.0000	8,359.472 9	8,359.472 9	0.2153	0.1522	8,410.206 8

Escondido Villages Specific Plan Project - San Diego County APCD Air District, 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	7.8557					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	19.5083					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.7609	6.5026	2.7671	0.0415		0.5257	0.5257		0.5257	0.5257	0.0000	8,301.1765	8,301.1765	0.1591	0.1522	8,350.5062
Landscaping	0.9773	0.3732	32.3775	1.7100e-003		0.1792	0.1792		0.1792	0.1792		58.2964	58.2964	0.0562		59.7005
Total	29.1023	6.8757	35.1446	0.0432		0.7049	0.7049		0.7049	0.7049	0.0000	8,359.4729	8,359.4729	0.2153	0.1522	8,410.2068

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.0441					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	19.5083					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.7609	6.5026	2.7671	0.0415		0.5257	0.5257		0.5257	0.5257	0.0000	8,301.1765	8,301.1765	0.1591	0.1522	8,350.5062
Landscaping	0.9773	0.3732	32.3775	1.7100e-003		0.1792	0.1792		0.1792	0.1792		58.2964	58.2964	0.0562		59.7005
Total	23.2906	6.8757	35.1446	0.0432		0.7049	0.7049		0.7049	0.7049	0.0000	8,359.4729	8,359.4729	0.2153	0.1522	8,410.2068

7.0 Water Detail**7.1 Mitigation Measures Water**

Use Reclaimed Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

Escondido Villages Specific Plan Project - San Diego County APCD Air District, Winter

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

The Villages - Escondido Country Club EIR

Blasting Emissions

Phase 1

3,862 cu yd/phase

3 days

1,287 cu yd/day

2 ton explosives/phase

0.6 ton explosives/day

31,908 sq ft blasted/phase

10,636 sq ft blasted/day

Pollutant	Source	Emission Factor	Units	Maximum Daily (lbs/day)
ROG	1	NA	lb/ton	—
NOx	1	17	lb/ton	9.63
CO	1	67	lb/ton	37.97
SOx	1	2	lb/ton	1.13
PM ₁₀	2	—	lb/blast	7.99
PM _{2.5}	2	—	lb/blast	0.46

Sources:

1. AP-42, Section 13.3, Table 13.3-1 for ANFO.

2. AP-42, Section 11.9, Table 11.9-1.

$PM_{10} = 0.52 \times 0.000014 \times (A)^{1.5}$, where A is the horizontal area blasted.

$PM_{2.5} = 0.03 \times 0.000014 \times (A)^{1.5}$, where A is the horizontal area blasted.

The Villages - Escondido Country Club EIR

Blasting Emissions

Phase 2

45,017 cu yd/phase

8 days

5,627 cu yd/day

20 ton explosives/phase

2.5 ton explosives/day

129,393 sq ft blasted/phase

16,174 sq ft blasted/day

Pollutant	Source	Emission Factor	Units	Maximum Daily (lbs/day)
ROG	1	NA	lb/ton	—
NOx	1	17	lb/ton	41.86
CO	1	67	lb/ton	164.99
SOx	1	2	lb/ton	4.93
PM ₁₀	2	—	lb/blast	14.97
PM _{2.5}	2	—	lb/blast	0.86

Sources:

1. AP-42, Section 13.3, Table 13.3-1 for ANFO.

2. AP-42, Section 11.9, Table 11.9-1.

$PM_{10} = 0.52 \times 0.000014 \times (A)^{1.5}$, where A is the horizontal area blasted.

$PM_{2.5} = 0.03 \times 0.000014 \times (A)^{1.5}$, where A is the horizontal area blasted.

The Villages - Escondido Country Club EIR

Blasting Emissions

Phase 3

33 cu yd/phase
 3 days
 11 cu yd/day
 0 ton explosives/phase
 0.01 ton explosives/day
 1,322 sq ft blasted/phase
 441 sq ft blasted/day

Pollutant	Source	Emission Factor	Units	Maximum Daily (lbs/day)
ROG	1	NA	lb/ton	—
NOx	1	17	lb/ton	0.09
CO	1	67	lb/ton	0.34
SOx	1	2	lb/ton	0.01
PM ₁₀	2	—	lb/blast	0.07
PM _{2.5}	2	—	lb/blast	0.00

Sources:

1. AP-42, Section 13.3, Table 13.3-1 for ANFO.

2. AP-42, Section 11.9, Table 11.9-1.

$PM_{10} = 0.52 \times 0.000014 \times (A)^{1.5}$, where A is the horizontal area blasted.

$PM_{2.5} = 0.03 \times 0.000014 \times (A)^{1.5}$, where A is the horizontal area blasted.

The Villages - Escondido Country Club EIR

Blasting Emissions

Phase 4

7,717 cu yd/phase

6 days

1,286 cu yd/day

3 ton explosives/phase

0.6 ton explosives/day

65,132 sq ft blasted/phase

10,855 sq ft blasted/day

Pollutant	Source	Emission Factor	Units	Maximum Daily (lbs/day)
ROG	1	NA	lb/ton	—
NOx	1	17	lb/ton	9.58
CO	1	67	lb/ton	37.74
SOx	1	2	lb/ton	1.13
PM ₁₀	2	—	lb/blast	8.23
PM _{2.5}	2	—	lb/blast	0.48

Sources:

1. AP-42, Section 13.3, Table 13.3-1 for ANFO.

2. AP-42, Section 11.9, Table 11.9-1.

$PM_{10} = 0.52 \times 0.000014 \times (A)^{1.5}$, where A is the horizontal area blasted.

$PM_{2.5} = 0.03 \times 0.000014 \times (A)^{1.5}$, where A is the horizontal area blasted.

APPENDIX B

Construction Health Risk Assessment

APPENDIX B

Construction Health Risk Assessment

Health Risk Assessment (HRA)

An HRA was performed to evaluate potential health risk associated with construction activity of this project. The following discussion summarizes dispersion modeling and HRA methodology to characterize toxic air quality consequences of this projects mitigated activity's diesel exhaust emissions to atmosphere and the detailed air dispersion and chemical exposure modeling are provided in this appendix.

The air dispersion modeling methodology was based on the Office of Environmental Health Hazard Assessment (OEHHA) and San Diego Air Pollution Control District (SDAPCD) guideline documents (OEHHA 2015 and SDAPCD 2015), and performed using the United States Environmental Protection Agency's (EPA)'s AERMOD (Version 16216r) air dispersion model with Lakes Environmental Software's implementation/user interface AERMOD View Version 9.3. This HRA determines health risk impacts for cancer at nearby residential and occupational receptors, and at schools within a two kilometer radius as further discussed below. This HRA also determines the maximum offsite non carcinogenic chronic health hazard impact. The dispersion modeling implemented standard regulatory default options and AERMOD parameters were selected consistent with SDAPCD's and EPA's guidance that is representative of the project site and project activities. Principal parameters of this modeling are presented in Table B-1.

Table B-1
AERMOD Principle Parameters

Parameter	Details
Meteorological Data	AERMOD-specific meteorological data from SDAPCD's Escondido monitoring station for a 3-year (2010 through 2012) was obtained from the SDAPCD in a preprocessed format suitable for use in AERMOD.
Urban versus Rural Option	Urban dispersion option was utilized due to the residentially developed nature of the project area.
Building Downwash	No buildings were included for this construction scenario as area sources were conservatively assessed.
Terrain Characteristics	The terrain in the immediate vicinity of the project site is generally variable (flat and elevated) with hills to the north. The elevation of the site ranges from 220 to 275 meters above sea level. Construction area sources were modeled at ground level.
Elevation Data	Digital elevation data were imported into AERMOD and elevations were assigned to the emission sources and receptors. Digital elevation data were obtained through AERMOD View in the United States Geological Survey's National Elevation Dataset format with a 7.5 minute resolution.
Emission Sources and Release Parameters	Area sources were used to model the construction scenario. Release parameters for each source were consistent with guidance documents from EPA as recommended by the SDAPCD.
Source Release Characterizations	The construction area was divided into segmentations best representing location of maximum exposure. An initial vertical dimension of 1.2 meters and release height of 5 meters was used in accordance with EPA's guidance. This initial vertical dimension is appropriate for an elevated source not on or adjacent to a building or structure.

APPENDIX B

Construction Health Risk Assessment

This HRA evaluated impacts nesting a grid of receptors with initial rectangular 50-meter spacing to focus on the nearby residences and occupational exposures. This receptor analysis utilized 100-meter, 250-meter, and then 500-meter resolution nested grids covering a total 5.95-kilometer by 3.60-kilometer rectangular area. This nested grid network of receptors established an impact analysis area where locations of maximum cancer risk and short and long term hazard indices would occur. This analysis also placed discretely located Cartesian receptors to evaluate the maximum exposure for schools. Residences are located immediately adjacent to the construction project site's property boundaries.

Health risk calculations were performed using the California Air Resources Board's Hotspots Analysis and Reporting Program (HARP2) Air Dispersion Modeling and Risk Tool (ADMRT, version 17052). AERMOD was run with all construction area sources emitting 1 gram per second for each individual source area meter to obtain necessary "unity concentration," input values for HARP2. These dispersion factor values that were determined for each source using AERMOD were imported into HARP2, then multiplied by annual emissions to determine ground-level concentrations for each pollutant. These ground-level concentrations are then used to estimate the long-term cancer health risk to an individual, and the non-cancer chronic and acute health indices.

Cancer risk is defined as the increase in probability (chance) of an individual developing cancer due to exposure to this project's carcinogenic compound emissions of diesel exhaust particulate matter expressed as increased chances per in one million exposed individuals. Maximum Individual Cancer Risk is the estimated probability of a maximally exposure that may potentially contract cancer as a result of exposure to this projects TACs over a 5.5 year period of construction activity for off-site residential, worker, and sensitive receptor (K-12 schools) locations. The inhalation exposure pathway was used to determine Maximum Individual Cancer Risk for residential, worker, and school receptors. The SDAPCD guidance states that emissions of TACs are considered significant if an HRA shows an increased risk of greater than 10 in 1 million.

Non-carcinogenic risk parameters were also quantified for both long term (chronic) and short term (acute) health effects. Non-carcinogenic hazard indices are expressed as ratios between ambient pollutant concentration and corresponding toxicity or Reference Exposure Level, which is a concentration at or below which health effects are not likely to occur in a regulatory (conservative) approach. The Chronic Hazard Index is summation of individual substance chronic hazard indices for all TACs affecting the same target organ system, and Acute Hazard Index is summation of individual substance acute hazard indices for all TACs, both of which affecting the same target organ system.¹ No acute hazard indices exist for this analysis because diesel exhaust is the only TAC analyzed and it has no regulatory standard for short term exposure. A hazard index less of than one

¹ The Chronic Hazard Index and the Acute Hazard Index (1-hour) estimates for all receptor types used the OEHHA Derived calculation method (OEHHA 2015).

APPENDIX B

Construction Health Risk Assessment

(1.0) means that adverse health effects are not expected. Within this analysis, non-carcinogenic exposures of less than 1.0 are considered less than significant.

Health Impacts of Toxic Air Contaminants

Construction Health Risk Assessment

As discussed previously, an HRA was performed to estimate the Maximum Individual Cancer Risk at offsite residential and worker locations. Schools within 2 kilometers were also analyzed. Maximum chronic hazard index offsite was also identified. As previously mentioned, no acute hazard indices exist for this analysis because diesel exhaust is the only TAC analyzed and it has no regulatory standard for short-term exposure. Results of the construction HRA are presented in Table B-2.

Table B-2
Construction Activity Health Risk Assessment Results

Impact Parameter	Units	Project Impact	CEQA Threshold	Level of Significance
Maximum Individual Cancer Risk—Residential	Per Million	8.43	10	Less than Significant
Maximum Individual Cancer Risk—Worker	Per Million	0.80	10	Less than Significant
Maximum Individual Cancer Risk—Sensitive Receptor (Schools)	Per Million	0.33	10	Less than Significant
Maximum Chronic Hazard Index	Not Applicable	0.003	1.0	Less than Significant

Source: SDAPCD 2011.

As shown in Table 5.3-13, project construction activities would result in a residential maximum individual cancer risk of 8.43 in one million exposures which is below the significance threshold of 10 in 1 million. Project construction would result in a worker cancer risk of 0.8 in one million exposures which is below the significance threshold of 10 in 1 million. Project construction would also result in maximum Sensitive Receptor Cancer Risk of 0.33 in one million exposures at the North Broadway Elementary School, which is below the significance threshold of 10 in 1 million. Project construction would also result in maximum chronic hazard index of 0.003, far below the significance threshold of 1.0. The project construction TACs impact from DPM emissions would be **less than significant**.

5.3.8 References Cited

Office of Environmental Health Hazard Assessment (OEHHA). 2015. *Air Toxics Hot Spots Program, Risk Assessment Guidelines, Guidance Manual for Preparation of Health Risk Assessments*. February. <https://oehha.ca.gov/media/downloads/cnr/2015guidancemanual.pdf>.

APPENDIX B

Construction Health Risk Assessment

San Diego Air Pollution Control District (SDAPCD). 2015. *Supplemental Guidelines for Submission of Air Toxics “Hot Spots,” Program Health Risk Assessments (HRA)s*. June. http://www.sdapcd.org/content/dam/sdc/apcd/PDF/Misc/APCD_HRA_Guidelines.pdf.

Villages Escondido Construction PM

**

**

** AERMOD Input Produced by:

** AERMOD View Ver. 9.3.0

** Lakes Environmental Software Inc.

** Date: 5/9/2017

** File: C:\Lakes\AERMOD View\Villages Escondido
Construction PM\Villages Escondido Construction PM.ADI

**

**

**

** AERMOD Control Pathway

**

**

CO STARTING

TITLEONE C:\Lakes\AERMOD View\Villages Escondido
Construction PM\Villages Esc

MODELOPT CONC FLAT ELEV

AVERTIME PERIOD

POLLUTID PM_10

RUNORNOT RUN

ERRORFIL "Villages Escondido Construction PM.err"

CO FINISHED

**

** AERMOD Source Pathway

**

**

SO STARTING

** Source Location **

Villages Escondido Construction PM

** Source ID - Type - X Coord. - Y Coord. **

LOCATION PAREA1 AREAPOLY 488380.941

3669355.749 244.760

** DESCRSRC Phase 1

LOCATION PAREA2 AREAPOLY 488797.482

3668630.570 219.010

** DESCRSRC Phase 2

LOCATION PAREA3 AREAPOLY 489318.370

3668738.545 225.000

** DESCRSRC Phase 3

LOCATION PAREA4 AREAPOLY 489128.525

3668606.840 225.000

** DESCRSRC Phase 4

** Source Parameters **

SRCPARAM PAREA1 5.5637E-06 5.000 21

1.200

AREAVERT PAREA1 488380.941 3669355.749

488501.953 3669329.648

AREAVERT PAREA1 488490.089 3669296.429

488506.699 3669258.464

AREAVERT PAREA1 488555.341 3669246.600

488624.152 3669353.376

AREAVERT PAREA1 488675.167 3669367.613

488678.726 3669345.071

AREAVERT PAREA1 488719.064 3669324.902

488617.034 3668973.729

AREAVERT PAREA1 488817.534 3668717.468

488781.943 3668627.302

AREAVERT PAREA1 488575.510 3668783.906

488526.868 3668742.382

AREAVERT PAREA1 488543.477 3668703.231

488463.989 3668660.521

AREAVERT PAREA1 488365.518 3668729.332

488461.616 3668863.395

AREAVERT PAREA1 488460.429 3668865.767

Villages Escondido Construction PM

488386.873 3668950.001

AREAVERT PAREA1

488404.669 3668971.357

SRCPARAM PAREA2

7.8946E-06

5.000

23

1.200

AREAVERT PAREA2

488797.482 3668630.570

488828.332 3668698.203

AREAVERT PAREA2

489130.898 3668812.110

489123.779 3668844.146

AREAVERT PAREA2

489254.297 3668838.214

489336.168 3668916.525

AREAVERT PAREA2

489437.024 3668947.375

489527.200 3668963.986

AREAVERT PAREA2

489533.133 3668904.660

489450.075 3668853.639

AREAVERT PAREA2

489563.983 3668802.618

489620.936 3668844.146

AREAVERT PAREA2

489661.278 3668880.929

489664.838 3668922.458

AREAVERT PAREA2

489547.371 3668905.846

489548.558 3668946.188

AREAVERT PAREA2

489804.849 3669012.634

489764.507 3668908.219

AREAVERT PAREA2

489763.320 3668800.245

489607.884 3668757.530

AREAVERT PAREA2

489253.111 3668778.887

489026.483 3668628.197

AREAVERT PAREA2

488852.062 3668610.399

SRCPARAM PAREA3

0.0000173245

5.000

10 1.200

AREAVERT PAREA3

489318.370 3668738.545

489800.103 3668712.441

AREAVERT PAREA3

489797.730 3668618.705

489732.470 3668618.705

AREAVERT PAREA3

489574.661 3668596.161

489381.256 3668618.705

Villages Escondido Construction PM

AREAVERT PAREA3	489348.034	3668519.036
489318.370	3668517.850	
AREAVERT PAREA3	489275.655	3668558.192
489381.256	3668680.405	
SRCPARAM PAREA4	0.0000156989	5.000
13	1.200	
AREAVERT PAREA4	489128.525	3668606.840
489181.919	3668659.047	
AREAVERT PAREA4	489194.971	3668625.824
489279.215	3668589.042	
AREAVERT PAREA4	489218.701	3668444.285
489186.665	3668427.673	
AREAVERT PAREA4	489141.577	3668345.802
489015.804	3668202.232	
AREAVERT PAREA4	488981.395	3668193.926
488945.799	3668215.284	
AREAVERT PAREA4	488943.426	3668281.730
489047.841	3668481.067	
AREAVERT PAREA4	489143.950	3668592.601

** Variable Emissions Type: "By Hour-of-Day (HROFDY) "

** Variable Emission Scenario: "Scenario 1"

EMISFACT PAREA1	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT PAREA1	HROFDY	0.0	1.0	1.0	1.0	1.0	1.0
EMISFACT PAREA1	HROFDY	1.0	1.0	1.0	1.0	1.0	0.0
EMISFACT PAREA1	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT PAREA2	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT PAREA2	HROFDY	0.0	1.0	1.0	1.0	1.0	1.0
EMISFACT PAREA2	HROFDY	1.0	1.0	1.0	1.0	1.0	0.0
EMISFACT PAREA2	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT PAREA3	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT PAREA3	HROFDY	0.0	1.0	1.0	1.0	1.0	1.0
EMISFACT PAREA3	HROFDY	1.0	1.0	1.0	1.0	1.0	0.0
EMISFACT PAREA3	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT PAREA4	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0

```

                Villages Escondido Construction PM
    EMISFACT PAREA4      HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT PAREA4      HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
    EMISFACT PAREA4      HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
    SRCGROUP ALL
SO FINISHED
**
*****
** AERMOD Receptor Pathway
*****
**
**
RE STARTING
    INCLUDED "Villages Escondido Construction PM.rou"
RE FINISHED
**
*****
** AERMOD Meteorology Pathway
*****
**
**
ME STARTING
    SURFFILE "Villages Escondido Construction PM.SFC"
    PROFFILE "Villages Escondido Construction PM.PFL"
    SURFDATA 52190 2010
    UAIRDATA 3190 2010
    PROFBASE 200.0 METERS
ME FINISHED
**
*****
** AERMOD Output Pathway
*****
**
**
OU STARTING
** Auto-Generated Plotfiles

```

Villages Escondido Construction PM
PLOTFILE PERIOD ALL "Villages Escondido Construction
PM.AD\PE00GALL.PLT" 31
SUMMFILE "Villages Escondido Construction PM.sum"
OU FINISHED

*** Message Summary For AERMOD Model Setup ***

----- Summary of Total Messages -----

A Total of	0 Fatal Error Message(s)
A Total of	2 Warning Message(s)
A Total of	0 Informational Message(s)

***** FATAL ERROR MESSAGES *****

*** NONE ***

***** WARNING MESSAGES *****

ME W186	125	MEOPEN: THRESH_1MIN 1-min ASOS
wind speed threshold used		0.40
ME W530	125	MEOPEN: CAUTION! Met Station ID
Mismatch with SURFFILE for		SURFDATA

*** SETUP Finishes Successfully ***

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View\Villages Escondido Construction PM\Villages Esc ***
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Villages Escondido Construction PM

PAGE 1

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

MODEL SETUP OPTIONS SUMMARY ***

- - - - -
- - - - -
- - - - -

**Model Is Setup For Calculation of Average
CONCetration Values.

-- DEPOSITION LOGIC --

**NO GAS DEPOSITION Data Provided.

**NO PARTICLE DEPOSITION Data Provided.

**Model Uses NO DRY DEPLETION. DRYDPLT = F

**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses RURAL Dispersion Only.

**Model Allows User-Specified Options:

1. Stack-tip Downwash.
2. Allow FLAT/ELEV Terrain Option by Source,
with 0 FLAT and 4 ELEV Source(s).
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.

**Other Options Specified:

CCVR_Sub - Meteorological data includes CCVR
substitutions

TEMP_Sub - Meteorological data includes TEMP

Villages Escondido Construction PM

****NOTE:** The Following Flags May Appear Following CONC
Values: c for Calm Hours

m for Missing Hours

b for Both Calm and Missing Hours

****Misc. Inputs:** Base Elev. for Pot. Temp. Profile (m
MSL) = 200.00 ; Decay Coef. = 0.000 ; Rot.
Angle = 0.0

Emission Units = GRAMS/SEC
; Emission Rate Unit Factor =

0.10000E+07

Output Units = MICROGRAMS/M**3

****Approximate Storage Requirements of Model = 3.8
MB of RAM.**

****Detailed Error/Message File: Villages Escondido
Construction PM.err**

****File for Summary of Results: Villages Escondido
Construction PM.sum**

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Villages Escondido Construction PM

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

AREAPOLY SOURCE DATA ***

BASE	RELEASE	NUMBER	EMISSION RATE	INIT.	LOCATION OF AREA	URBAN	EMISSION
RATE							
SOURCE	PART.	(GRAMS/SEC	X	Y			
ELEV.	HEIGHT	OF VERTS.	SZ	SOURCE	SCALAR		
VARY							
ID	CATS.	/METER**2)	(METERS)	(METERS)	BY		
(METERS)	(METERS)	(METERS)					

PAREA1	0	0.55637E-05	488380.9	3669355.7			
244.8	5.00	21	1.20	NO	HROFDY		
PAREA2	0	0.78946E-05	488797.5	3668630.6			
219.0	5.00	23	1.20	NO	HROFDY		
PAREA3	0	0.17325E-04	489318.4	3668738.5			
225.0	5.00	10	1.20	NO	HROFDY		
PAREA4	0	0.15699E-04	489128.5	3668606.8			
225.0	5.00	13	1.20	NO	HROFDY		

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Villages Escondido Construction PM

PAGE 3

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

*** SOURCE

IDS DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

ALL PAREA1 , PAREA2 , PAREA3 ,
PAREA4 ,

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

* SOURCE EMISSION RATE
SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	
SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR

Villages Escondido Construction PM

- - - - -
- - - - -

SOURCE ID = PAREA1 ; SOURCE TYPE = AREAPOLY :
 1 .00000E+00 2 .00000E+00 3
 .00000E+00 4 .00000E+00 5 .00000E+00
 6 .00000E+00
 7 .00000E+00 8 .10000E+01 9
 .10000E+01 10 .10000E+01 11 .10000E+01
 12 .10000E+01
 13 .10000E+01 14 .10000E+01 15
 .10000E+01 16 .10000E+01 17 .10000E+01
 18 .00000E+00
 19 .00000E+00 20 .00000E+00 21
 .00000E+00 22 .00000E+00 23 .00000E+00
 24 .00000E+00

SOURCE ID = PAREA2 ; SOURCE TYPE = AREAPOLY :
 1 .00000E+00 2 .00000E+00 3
 .00000E+00 4 .00000E+00 5 .00000E+00
 6 .00000E+00
 7 .00000E+00 8 .10000E+01 9
 .10000E+01 10 .10000E+01 11 .10000E+01
 12 .10000E+01
 13 .10000E+01 14 .10000E+01 15
 .10000E+01 16 .10000E+01 17 .10000E+01
 18 .00000E+00
 19 .00000E+00 20 .00000E+00 21
 .00000E+00 22 .00000E+00 23 .00000E+00
 24 .00000E+00

SOURCE ID = PAREA3 ; SOURCE TYPE = AREAPOLY :

Villages Escondido Construction PM

1	.00000E+00	2	.00000E+00	3
.00000E+00	4	.00000E+00	5	.00000E+00
6	.00000E+00			
7	.00000E+00	8	.10000E+01	9
.10000E+01	10	.10000E+01	11	.10000E+01
12	.10000E+01			
13	.10000E+01	14	.10000E+01	15
.10000E+01	16	.10000E+01	17	.10000E+01
18	.00000E+00			
19	.00000E+00	20	.00000E+00	21
.00000E+00	22	.00000E+00	23	.00000E+00
24	.00000E+00			

SOURCE ID = PAREA4 ; SOURCE TYPE = AREAPOLY :

1	.00000E+00	2	.00000E+00	3
.00000E+00	4	.00000E+00	5	.00000E+00
6	.00000E+00			
7	.00000E+00	8	.10000E+01	9
.10000E+01	10	.10000E+01	11	.10000E+01
12	.10000E+01			
13	.10000E+01	14	.10000E+01	15
.10000E+01	16	.10000E+01	17	.10000E+01
18	.00000E+00			
19	.00000E+00	20	.00000E+00	21
.00000E+00	22	.00000E+00	23	.00000E+00
24	.00000E+00			

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Villages Escondido Construction PM

PAGE 5

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

DISCRETE CARTESIAN RECEPTORS ***

(X-COORD,

Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

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488.0, 0.0);	
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0.0); (488506.7, 3669258.5, 236.0,	
488.0, 0.0);	
(488555.3, 3669246.6, 236.6, 488.0,	
0.0); (488624.1, 3669353.4, 242.5,	
488.0, 0.0);	
(488675.2, 3669367.6, 243.7, 488.0,	
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488.0, 0.0);	
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0.0); (488617.0, 3668973.7, 230.5,	
465.0, 0.0);	
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0.0); (488781.9, 3668627.3, 219.0,	
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Villages Escondido Construction PM

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Villages Escondido Construction PM

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0.0);	(488671.5, 3669161.0,	235.7,
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0.0);	(488644.2, 3669067.4,	233.6,
465.0,	0.0);	
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0.0);	(488745.9, 3668809.0,	225.1,
465.0,	0.0);	
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465.0,	0.0);	

Villages Escondido Construction PM

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Villages Escondido Construction PM

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0.0); (488406.7, 3668786.8, 223.4,
465.0, 0.0);

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

DISCRETE CARTESIAN RECEPTORS ***

(X-COORD,

Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

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465.0, 0.0);

Villages Escondido Construction PM

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Villages Escondido Construction PM

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Villages Escondido Construction PM

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Villages Escondido Construction PM

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▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

DISCRETE CARTESIAN RECEPTORS ***

Villages Escondido Construction PM

(X-COORD,

Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

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Villages Escondido Construction PM

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Villages Escondido Construction PM

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Villages Escondido Construction PM

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Villages Escondido Construction PM
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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

DISCRETE CARTESIAN RECEPTORS ***

(X-COORD,

Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

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Villages Escondido Construction PM

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Villages Escondido Construction PM

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Villages Escondido Construction PM

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Villages Escondido Construction PM

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▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

DISCRETE CARTESIAN RECEPTORS ***

(X-COORD,

Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

(489888.9, 3666546.2, 216.3, 290.0,
0.0); (489930.3, 3666582.0, 220.0,

Villages Escondido Construction PM

290.0, 0.0);
 (489969.6, 3666614.9, 225.9, 290.0,
 0.0); (490007.4, 3666647.9, 228.4,
 290.0, 0.0);
 (490057.2, 3666685.0, 226.2, 246.0,
 0.0); (489965.0, 3666889.4, 239.9,
 239.9, 0.0);
 (490016.8, 3666941.1, 239.1, 239.1,
 0.0); (490072.0, 3666985.8, 234.5,
 239.0, 0.0);
 (490116.8, 3667029.3, 230.0, 251.0,
 0.0); (490166.1, 3667071.7, 227.6,
 251.0, 0.0);
 (486874.7, 3668440.1, 214.0, 400.0,
 0.0); (486914.7, 3668473.1, 214.9,
 402.0, 0.0);
 (486942.9, 3668497.8, 215.7, 405.0,
 0.0); (486934.7, 3668534.2, 216.9,
 406.0, 0.0);
 (486922.9, 3668570.7, 218.1, 408.0,
 0.0); (491375.7, 3670248.8, 231.2,
 635.0, 0.0);
 (491356.1, 3670281.5, 232.0, 635.0,
 0.0); (491170.8, 3669198.9, 229.3,
 348.0, 0.0);
 (491200.3, 3669192.5, 227.8, 564.0,
 0.0); (491461.3, 3668645.7, 215.3,
 233.0, 0.0);
 (491454.2, 3668579.9, 213.5, 300.0,
 0.0); (491437.3, 3668491.7, 213.0,
 300.0, 0.0);
 (491445.2, 3668428.4, 214.0, 300.0,
 0.0); (491457.5, 3668354.6, 214.0,
 300.0, 0.0);
 (491560.2, 3668346.0, 215.0, 322.0,

Villages Escondido Construction PM

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0.0);      ( 491566.1, 3668294.5,      214.0,
328.0,      0.0);
      ( 491571.4, 3668251.9,      213.6,      328.0,
0.0);      ( 491577.3, 3668211.6,      213.1,
328.0,      0.0);
      ( 491584.8, 3668165.3,      212.7,      328.0,
0.0);      ( 491249.3, 3667910.6,      207.7,
300.0,      0.0);
      ( 491207.7, 3667879.3,      207.0,      300.0,
0.0);      ( 491323.9, 3667091.9,      210.2,
210.2,      0.0);
      ( 491221.6, 3667844.6,      207.3,      300.0,
0.0);      ( 491240.6, 3667811.7,      207.0,
300.0,      0.0);
      ( 491254.5, 3667770.1,      206.4,      300.0,
0.0);      ( 491270.1, 3667721.5,      206.6,
300.0,      0.0);
      ( 491278.8, 3667681.6,      206.5,      300.0,
0.0);      ( 491289.2, 3667643.5,      206.8,
300.0,      0.0);
      ( 491299.9, 3667604.9,      207.0,      300.0,
0.0);      ( 491312.4, 3667562.3,      206.1,
300.0,      0.0);
      ( 491304.9, 3667523.4,      206.4,      300.0,
0.0);      ( 491309.4, 3667486.2,      207.0,
300.0,      0.0);
      ( 491314.8, 3667453.1,      207.9,      300.0,
0.0);      ( 491317.0, 3667414.4,      207.9,
300.0,      0.0);
      ( 491319.0, 3667372.7,      208.0,      208.0,
0.0);      ( 491318.1, 3667334.2,      209.0,
209.0,      0.0);
      ( 491319.4, 3667295.6,      210.0,      210.0,
0.0);      ( 491319.4, 3667258.3,      210.0,
210.0,      0.0);

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Villages Escondido Construction PM

```

( 491318.1, 3667219.0,      210.0,      210.0,
0.0);      ( 491318.6, 3667183.1,      210.0,
210.0,      0.0);
( 491320.2, 3667139.2,      210.0,      210.0,
0.0);      ( 487900.0, 3667700.0,      201.0,
201.0,      0.0);
( 487950.0, 3667700.0,      201.8,      201.8,
0.0);      ( 488000.0, 3667700.0,      203.5,
203.5,      0.0);
( 488050.0, 3667700.0,      204.2,      204.2,
0.0);      ( 488100.0, 3667700.0,      205.1,
205.1,      0.0);
( 488150.0, 3667700.0,      206.1,      206.1,
0.0);      ( 488200.0, 3667700.0,      207.3,
207.3,      0.0);
( 488250.0, 3667700.0,      209.0,      212.0,
0.0);      ( 488300.0, 3667700.0,      210.3,
210.3,      0.0);
( 488350.0, 3667700.0,      210.1,      210.1,
0.0);      ( 488400.0, 3667700.0,      208.2,
208.2,      0.0);
( 488450.0, 3667700.0,      207.8,      207.8,
0.0);      ( 488500.0, 3667700.0,      206.1,
206.1,      0.0);
( 488550.0, 3667700.0,      206.1,      206.1,
0.0);      ( 488600.0, 3667700.0,      206.0,
206.0,      0.0);
( 488650.0, 3667700.0,      206.0,      206.0,
0.0);      ( 488700.0, 3667700.0,      208.3,
208.3,      0.0);
( 488750.0, 3667700.0,      212.6,      212.6,
0.0);      ( 488800.0, 3667700.0,      214.0,
214.0,      0.0);
( 488850.0, 3667700.0,      215.1,      215.1,
0.0);      ( 488900.0, 3667700.0,      216.4,

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Villages Escondido Construction PM

216.4, 0.0);
 (488950.0, 3667700.0, 217.3, 217.3,
 0.0); (489000.0, 3667700.0, 215.7,
 215.7, 0.0);
 (489050.0, 3667700.0, 215.4, 215.4,
 0.0); (489100.0, 3667700.0, 214.4,
 220.0, 0.0);
 (489150.0, 3667700.0, 213.0, 213.0,
 0.0); (489200.0, 3667700.0, 212.3,
 212.3, 0.0);
 (489250.0, 3667700.0, 213.0, 213.0,
 0.0); (489300.0, 3667700.0, 213.9,
 213.9, 0.0);
 (489350.0, 3667700.0, 213.5, 213.5,
 0.0); (489400.0, 3667700.0, 214.3,
 225.0, 0.0);
 (489450.0, 3667700.0, 216.7, 216.7,
 0.0); (489500.0, 3667700.0, 217.7,
 224.0, 0.0);
 (489550.0, 3667700.0, 219.1, 226.0,
 0.0); (489600.0, 3667700.0, 222.8,
 226.0, 0.0);
 (489650.0, 3667700.0, 224.8, 224.8,
 0.0); (489700.0, 3667700.0, 226.0,
 226.0, 0.0);
 (489750.0, 3667700.0, 228.4, 228.4,
 0.0); (489800.0, 3667700.0, 230.5,
 237.0, 0.0);

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
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Villages Escondido Construction PM

PAGE 10

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

DISCRETE CARTESIAN RECEPTORS ***

(X-COORD,

Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

(489850.0, 3667700.0, 232.8,	239.0,
0.0);	(489900.0, 3667700.0, 236.9,
238.0,	0.0);
(489950.0, 3667700.0, 233.5,	239.0,
0.0);	(490000.0, 3667700.0, 230.4,
233.0,	0.0);
(490050.0, 3667700.0, 228.9,	228.9,
0.0);	(490100.0, 3667700.0, 227.4,
227.4,	0.0);
(490150.0, 3667700.0, 227.0,	227.0,
0.0);	(490200.0, 3667700.0, 225.2,
225.2,	0.0);
(490250.0, 3667700.0, 221.4,	221.4,
0.0);	(490300.0, 3667700.0, 219.0,
219.0,	0.0);
(490350.0, 3667700.0, 218.0,	246.0,
0.0);	(487900.0, 3667750.0, 201.8,
201.8,	0.0);
(487950.0, 3667750.0, 203.5,	203.5,
0.0);	(488000.0, 3667750.0, 205.2,
205.2,	0.0);
(488050.0, 3667750.0, 205.8,	205.8,
0.0);	(488100.0, 3667750.0, 207.4,

Villages Escondido Construction PM

207.4, 0.0);
 (488150.0, 3667750.0, 208.1, 208.1,
 0.0); (488200.0, 3667750.0, 210.6,
 210.6, 0.0);
 (488250.0, 3667750.0, 212.4, 212.4,
 0.0); (488300.0, 3667750.0, 213.1,
 213.1, 0.0);
 (488350.0, 3667750.0, 212.6, 212.6,
 0.0); (488400.0, 3667750.0, 211.7,
 216.0, 0.0);
 (488450.0, 3667750.0, 210.3, 210.3,
 0.0); (488500.0, 3667750.0, 208.6,
 208.6, 0.0);
 (488550.0, 3667750.0, 207.8, 207.8,
 0.0); (488600.0, 3667750.0, 206.8,
 206.8, 0.0);
 (488650.0, 3667750.0, 206.8, 206.8,
 0.0); (488700.0, 3667750.0, 206.9,
 206.9, 0.0);
 (488750.0, 3667750.0, 210.5, 214.0,
 0.0); (488800.0, 3667750.0, 214.0,
 214.0, 0.0);
 (488850.0, 3667750.0, 216.5, 216.5,
 0.0); (488900.0, 3667750.0, 219.0,
 219.0, 0.0);
 (488950.0, 3667750.0, 219.8, 219.8,
 0.0); (489000.0, 3667750.0, 219.7,
 219.7, 0.0);
 (489050.0, 3667750.0, 219.6, 219.6,
 0.0); (489100.0, 3667750.0, 219.3,
 220.0, 0.0);
 (489150.0, 3667750.0, 213.5, 220.0,
 0.0); (489200.0, 3667750.0, 212.5,
 212.5, 0.0);
 (489250.0, 3667750.0, 212.2, 212.2,

Villages Escondido Construction PM

```

0.0);      ( 489300.0, 3667750.0,      213.6,
213.6,      0.0);
      ( 489350.0, 3667750.0,      215.2,      215.2,
0.0);      ( 489400.0, 3667750.0,      217.6,
225.0,      0.0);
      ( 489450.0, 3667750.0,      220.6,      226.0,
0.0);      ( 489500.0, 3667750.0,      222.6,
222.6,      0.0);
      ( 489550.0, 3667750.0,      223.1,      224.0,
0.0);      ( 489600.0, 3667750.0,      225.6,
225.6,      0.0);
      ( 489650.0, 3667750.0,      226.3,      226.3,
0.0);      ( 489700.0, 3667750.0,      226.8,
226.8,      0.0);
      ( 489750.0, 3667750.0,      228.7,      228.7,
0.0);      ( 489800.0, 3667750.0,      229.7,
229.7,      0.0);
      ( 489850.0, 3667750.0,      229.4,      239.0,
0.0);      ( 489900.0, 3667750.0,      231.0,
238.0,      0.0);
      ( 489950.0, 3667750.0,      232.5,      232.5,
0.0);      ( 490000.0, 3667750.0,      233.0,
233.0,      0.0);
      ( 490050.0, 3667750.0,      232.0,      232.0,
0.0);      ( 490100.0, 3667750.0,      231.0,
231.0,      0.0);
      ( 490150.0, 3667750.0,      228.6,      228.6,
0.0);      ( 490200.0, 3667750.0,      226.2,
226.2,      0.0);
      ( 490250.0, 3667750.0,      222.5,      224.0,
0.0);      ( 490300.0, 3667750.0,      218.2,
218.2,      0.0);
      ( 490350.0, 3667750.0,      218.0,      249.0,
0.0);      ( 487900.0, 3667800.0,      202.5,
202.5,      0.0);

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Villages Escondido Construction PM

(487950.0, 3667800.0,	205.0,	205.0,
0.0);	(488000.0, 3667800.0,	206.8,
206.8,	0.0);	
(488050.0, 3667800.0,	208.9,	208.9,
0.0);	(488100.0, 3667800.0,	209.8,
209.8,	0.0);	
(488150.0, 3667800.0,	211.0,	211.0,
0.0);	(488200.0, 3667800.0,	213.5,
213.5,	0.0);	
(488250.0, 3667800.0,	214.3,	214.3,
0.0);	(488300.0, 3667800.0,	216.3,
216.3,	0.0);	
(488350.0, 3667800.0,	216.9,	216.9,
0.0);	(488400.0, 3667800.0,	215.4,
215.4,	0.0);	
(488450.0, 3667800.0,	213.3,	213.3,
0.0);	(488500.0, 3667800.0,	212.9,
212.9,	0.0);	
(488550.0, 3667800.0,	210.6,	210.6,
0.0);	(488600.0, 3667800.0,	208.8,
208.8,	0.0);	
(488650.0, 3667800.0,	208.5,	208.5,
0.0);	(488700.0, 3667800.0,	207.8,
207.8,	0.0);	
(488750.0, 3667800.0,	208.9,	208.9,
0.0);	(488800.0, 3667800.0,	212.0,
212.0,	0.0);	
(488850.0, 3667800.0,	214.1,	214.1,
0.0);	(488900.0, 3667800.0,	218.2,
218.2,	0.0);	
(488950.0, 3667800.0,	220.0,	220.0,
0.0);	(489000.0, 3667800.0,	220.5,
220.5,	0.0);	
(489050.0, 3667800.0,	220.0,	220.0,
0.0);	(489100.0, 3667800.0,	218.5,

Villages Escondido Construction PM

218.5, 0.0);
(489150.0, 3667800.0, 214.3, 214.3,
0.0); (489200.0, 3667800.0, 212.3,
212.3, 0.0);
(489250.0, 3667800.0, 212.0, 212.0,
0.0); (489300.0, 3667800.0, 212.9,
212.9, 0.0);
▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
View\Villages Escondido Construction PM\Villages Esc ***
05/09/17

*** AERMET - VERSION 15181 *** ***

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

DISCRETE CARTESIAN RECEPTORS ***

(X-COORD,

Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

(489350.0, 3667800.0, 215.9, 226.0,
0.0); (489400.0, 3667800.0, 220.0,
226.0, 0.0);
(489450.0, 3667800.0, 224.8, 224.8,
0.0); (489500.0, 3667800.0, 226.2,
226.2, 0.0);
(489550.0, 3667800.0, 226.0, 226.0,
0.0); (489600.0, 3667800.0, 226.5,
226.5, 0.0);

Villages Escondido Construction PM

(489650.0, 3667800.0,	227.2,	227.2,
0.0);	(489700.0, 3667800.0,	228.0,
228.0,	0.0);	
(489750.0, 3667800.0,	228.0,	228.0,
0.0);	(489800.0, 3667800.0,	227.4,
227.4,	0.0);	
(489850.0, 3667800.0,	227.1,	227.1,
0.0);	(489900.0, 3667800.0,	227.9,
227.9,	0.0);	
(489950.0, 3667800.0,	228.9,	228.9,
0.0);	(490000.0, 3667800.0,	229.6,
232.0,	0.0);	
(490050.0, 3667800.0,	227.6,	233.0,
0.0);	(490100.0, 3667800.0,	226.6,
232.0,	0.0);	
(490150.0, 3667800.0,	225.5,	225.5,
0.0);	(490200.0, 3667800.0,	225.2,
225.2,	0.0);	
(490250.0, 3667800.0,	221.7,	225.0,
0.0);	(490300.0, 3667800.0,	218.5,
246.0,	0.0);	
(490350.0, 3667800.0,	218.0,	250.0,
0.0);	(487900.0, 3667850.0,	202.3,
202.3,	0.0);	
(487950.0, 3667850.0,	206.3,	206.3,
0.0);	(488000.0, 3667850.0,	208.4,
208.4,	0.0);	
(488050.0, 3667850.0,	212.0,	212.0,
0.0);	(488100.0, 3667850.0,	213.3,
213.3,	0.0);	
(488150.0, 3667850.0,	212.1,	212.1,
0.0);	(488200.0, 3667850.0,	213.0,
213.0,	0.0);	
(488250.0, 3667850.0,	214.7,	214.7,
0.0);	(488300.0, 3667850.0,	217.3,

Villages Escondido Construction PM

217.3, 0.0);
 (488350.0, 3667850.0, 218.0, 218.0,
 0.0); (488400.0, 3667850.0, 216.7,
 216.7, 0.0);
 (488450.0, 3667850.0, 215.1, 215.1,
 0.0); (488500.0, 3667850.0, 214.1,
 214.1, 0.0);
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 0.0); (488600.0, 3667850.0, 210.7,
 210.7, 0.0);
 (488650.0, 3667850.0, 210.1, 210.1,
 0.0); (488700.0, 3667850.0, 210.2,
 210.2, 0.0);
 (488750.0, 3667850.0, 212.5, 212.5,
 0.0); (488800.0, 3667850.0, 214.2,
 214.2, 0.0);
 (488850.0, 3667850.0, 215.9, 215.9,
 0.0); (488900.0, 3667850.0, 218.0,
 218.0, 0.0);
 (488950.0, 3667850.0, 219.0, 219.0,
 0.0); (489000.0, 3667850.0, 220.4,
 220.4, 0.0);
 (489050.0, 3667850.0, 218.7, 218.7,
 0.0); (489100.0, 3667850.0, 217.0,
 217.0, 0.0);
 (489150.0, 3667850.0, 214.5, 214.5,
 0.0); (489200.0, 3667850.0, 213.0,
 213.0, 0.0);
 (489250.0, 3667850.0, 212.0, 212.0,
 0.0); (489300.0, 3667850.0, 212.7,
 269.0, 0.0);
 (489350.0, 3667850.0, 217.1, 269.0,
 0.0); (489400.0, 3667850.0, 222.4,
 226.0, 0.0);
 (489450.0, 3667850.0, 226.7, 226.7,

Villages Escondido Construction PM

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0.0);          ( 489500.0, 3667850.0,      227.0,
227.0,          0.0);
      ( 489550.0, 3667850.0,      227.1,      227.1,
0.0);          ( 489600.0, 3667850.0,      227.7,
227.7,          0.0);
      ( 489650.0, 3667850.0,      228.0,      228.0,
0.0);          ( 489700.0, 3667850.0,      228.0,
228.0,          0.0);
      ( 489750.0, 3667850.0,      227.2,      227.2,
0.0);          ( 489800.0, 3667850.0,      225.7,
245.0,          0.0);
      ( 489850.0, 3667850.0,      225.0,      249.0,
0.0);          ( 489900.0, 3667850.0,      225.0,
245.0,          0.0);
      ( 489950.0, 3667850.0,      224.9,      245.0,
0.0);          ( 490000.0, 3667850.0,      224.8,
232.0,          0.0);
      ( 490050.0, 3667850.0,      223.2,      233.0,
0.0);          ( 490100.0, 3667850.0,      222.7,
230.0,          0.0);
      ( 490150.0, 3667850.0,      222.7,      222.7,
0.0);          ( 490200.0, 3667850.0,      221.1,
221.1,          0.0);
      ( 490250.0, 3667850.0,      219.5,      219.5,
0.0);          ( 490300.0, 3667850.0,      218.1,
246.0,          0.0);
      ( 490350.0, 3667850.0,      218.7,      250.0,
0.0);          ( 487900.0, 3667900.0,      204.8,
398.0,          0.0);
      ( 487950.0, 3667900.0,      205.9,      205.9,
0.0);          ( 488000.0, 3667900.0,      207.6,
207.6,          0.0);
      ( 488050.0, 3667900.0,      210.4,      210.4,
0.0);          ( 488100.0, 3667900.0,      212.8,
212.8,          0.0);

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Villages Escondido Construction PM

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0.0); (488200.0, 3667900.0, 213.0,
213.0, 0.0);
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0.0); (488300.0, 3667900.0, 216.4,
216.4, 0.0);
(488350.0, 3667900.0, 218.0, 218.0,
0.0); (488400.0, 3667900.0, 217.9,
217.9, 0.0);
(488450.0, 3667900.0, 217.3, 217.3,
0.0); (488500.0, 3667900.0, 215.8,
215.8, 0.0);
(488550.0, 3667900.0, 213.2, 213.2,
0.0); (488600.0, 3667900.0, 211.8,
211.8, 0.0);
(488650.0, 3667900.0, 211.8, 211.8,
0.0); (488700.0, 3667900.0, 212.5,
212.5, 0.0);
(488750.0, 3667900.0, 214.2, 214.2,
0.0); (488800.0, 3667900.0, 215.9,
215.9, 0.0);

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
View\Villages Escondido Construction PM\Villages Esc ***
05/09/17

*** AERMET - VERSION 15181 *** ***

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PAGE 12

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

DISCRETE CARTESIAN RECEPTORS ***

Villages Escondido Construction PM

(X-COORD,

Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

```

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0.0); ( 488900.0, 3667900.0, 220.2,
226.0, 0.0);
( 488950.0, 3667900.0, 221.5, 232.0,
0.0); ( 489000.0, 3667900.0, 222.8,
227.0, 0.0);
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231.0, 0.0);
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0.0); ( 489200.0, 3667900.0, 213.5,
213.5, 0.0);
( 489250.0, 3667900.0, 212.8, 269.0,
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269.0, 0.0);
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0.0); ( 489400.0, 3667900.0, 224.0,
269.0, 0.0);
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269.0, 0.0);
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269.0, 0.0);
( 489650.0, 3667900.0, 228.8, 269.0,
0.0); ( 489700.0, 3667900.0, 228.8,
269.0, 0.0);
( 489750.0, 3667900.0, 226.6, 269.0,
0.0); ( 489800.0, 3667900.0, 225.7,
269.0, 0.0);

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Villages Escondido Construction PM

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257.0,      0.0);
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0.0);      ( 490000.0, 3667900.0,      224.0,
257.0,      0.0);
( 490050.0, 3667900.0,      221.8,      257.0,
0.0);      ( 490100.0, 3667900.0,      219.4,
257.0,      0.0);
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219.2,      0.0);
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0.0);      ( 490300.0, 3667900.0,      219.0,
219.0,      0.0);
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0.0);      ( 488000.0, 3667950.0,      206.4,
398.0,      0.0);
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0.0);      ( 488100.0, 3667950.0,      210.9,
210.9,      0.0);
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0.0);      ( 488200.0, 3667950.0,      213.5,
213.5,      0.0);
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0.0);      ( 488300.0, 3667950.0,      217.7,
217.7,      0.0);
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0.0);      ( 488400.0, 3667950.0,      220.0,
220.0,      0.0);
( 488450.0, 3667950.0,      219.1,      219.1,
0.0);      ( 488500.0, 3667950.0,      217.4,

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Villages Escondido Construction PM

217.4, 0.0);
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 213.1, 0.0);
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 0.0); (488700.0, 3667950.0, 213.3,
 213.3, 0.0);
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 0.0); (488800.0, 3667950.0, 218.5,
 218.5, 0.0);
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 232.0, 0.0);
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 0.0); (489200.0, 3667950.0, 215.1,
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 269.0, 0.0);
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 269.0, 0.0);
 (489450.0, 3667950.0, 226.5, 269.0,
 0.0); (489500.0, 3667950.0, 226.7,
 269.0, 0.0);
 (489550.0, 3667950.0, 228.0, 269.0,
 0.0); (489600.0, 3667950.0, 228.8,
 269.0, 0.0);
 (489650.0, 3667950.0, 229.8, 269.0,

Villages Escondido Construction PM

```

0.0);          ( 489700.0, 3667950.0,      230.5,
269.0,          0.0);
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0.0);          ( 489800.0, 3667950.0,      230.1,
269.0,          0.0);
      ( 489850.0, 3667950.0,      231.4,      257.0,
0.0);          ( 489900.0, 3667950.0,      230.7,
257.0,          0.0);
      ( 489950.0, 3667950.0,      227.6,      257.0,
0.0);          ( 490000.0, 3667950.0,      225.5,
257.0,          0.0);
      ( 490050.0, 3667950.0,      225.1,      257.0,
0.0);          ( 490100.0, 3667950.0,      221.9,
257.0,          0.0);
      ( 490150.0, 3667950.0,      220.0,      257.0,
0.0);          ( 490200.0, 3667950.0,      219.3,
219.3,          0.0);
      ( 490250.0, 3667950.0,      220.5,      220.5,
0.0);          ( 490300.0, 3667950.0,      220.0,
220.0,          0.0);
      ( 490350.0, 3667950.0,      219.2,      270.0,
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400.0,          0.0);
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0.0);          ( 488000.0, 3668000.0,      208.3,
400.0,          0.0);
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0.0);          ( 488100.0, 3668000.0,      213.0,
213.0,          0.0);
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0.0);          ( 488200.0, 3668000.0,      215.4,
232.0,          0.0);
      ( 488250.0, 3668000.0,      217.5,      231.0,
0.0);          ( 488300.0, 3668000.0,      219.2,
231.0,          0.0);

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Villages Escondido Construction PM

↑ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
View\Villages Escondido Construction PM\Villages Esc ***
05/09/17

*** AERMET - VERSION 15181 *** ***

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

DISCRETE CARTESIAN RECEPTORS ***

(X-COORD,

Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

(488350.0, 3668000.0,	221.5,	221.5,
0.0);	(488400.0, 3668000.0,	223.3,
223.3,	0.0);	
(488450.0, 3668000.0,	221.9,	221.9,
0.0);	(488500.0, 3668000.0,	220.0,
220.0,	0.0);	
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0.0);	(488600.0, 3668000.0,	216.2,
216.2,	0.0);	
(488650.0, 3668000.0,	216.4,	219.0,
0.0);	(488700.0, 3668000.0,	214.3,
214.3,	0.0);	
(488750.0, 3668000.0,	216.8,	216.8,
0.0);	(488800.0, 3668000.0,	219.0,
219.0,	0.0);	
(488850.0, 3668000.0,	222.4,	222.4,

Villages Escondido Construction PM

```

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226.1,          0.0);
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0.0);          ( 489000.0, 3668000.0,      231.4,
231.4,          0.0);
      ( 489050.0, 3668000.0,      227.2,      232.0,
0.0);          ( 489100.0, 3668000.0,      221.1,
232.0,          0.0);
      ( 489150.0, 3668000.0,      217.7,      230.0,
0.0);          ( 489200.0, 3668000.0,      216.8,
269.0,          0.0);
      ( 489250.0, 3668000.0,      216.5,      269.0,
0.0);          ( 489300.0, 3668000.0,      219.9,
269.0,          0.0);
      ( 489350.0, 3668000.0,      219.3,      269.0,
0.0);          ( 489400.0, 3668000.0,      222.1,
269.0,          0.0);
      ( 489450.0, 3668000.0,      225.4,      269.0,
0.0);          ( 489500.0, 3668000.0,      226.0,
269.0,          0.0);
      ( 489550.0, 3668000.0,      228.0,      269.0,
0.0);          ( 489600.0, 3668000.0,      229.7,
269.0,          0.0);
      ( 489650.0, 3668000.0,      231.1,      269.0,
0.0);          ( 489700.0, 3668000.0,      232.6,
269.0,          0.0);
      ( 489750.0, 3668000.0,      231.5,      269.0,
0.0);          ( 489800.0, 3668000.0,      234.2,
269.0,          0.0);
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0.0);          ( 489900.0, 3668000.0,      236.4,
257.0,          0.0);
      ( 489950.0, 3668000.0,      230.4,      257.0,
0.0);          ( 490000.0, 3668000.0,      228.1,
257.0,          0.0);

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Villages Escondido Construction PM

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256.0,      0.0);
( 490250.0, 3668000.0,      222.2,      222.2,
0.0);      ( 490300.0, 3668000.0,      222.3,
222.3,      0.0);
( 490350.0, 3668000.0,      220.6,      270.0,
0.0);      ( 487900.0, 3668050.0,      208.0,
400.0,      0.0);
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400.0,      0.0);
( 488050.0, 3668050.0,      213.0,      400.0,
0.0);      ( 488100.0, 3668050.0,      216.0,
216.0,      0.0);
( 488150.0, 3668050.0,      218.8,      227.0,
0.0);      ( 488200.0, 3668050.0,      219.6,
232.0,      0.0);
( 488250.0, 3668050.0,      220.3,      232.0,
0.0);      ( 488300.0, 3668050.0,      223.1,
231.0,      0.0);
( 488350.0, 3668050.0,      225.6,      225.6,
0.0);      ( 488400.0, 3668050.0,      226.6,
226.6,      0.0);
( 488450.0, 3668050.0,      223.8,      223.8,
0.0);      ( 488500.0, 3668050.0,      220.8,
220.8,      0.0);
( 488550.0, 3668050.0,      218.2,      218.2,
0.0);      ( 488600.0, 3668050.0,      218.2,
218.2,      0.0);
( 488650.0, 3668050.0,      219.0,      219.0,
0.0);      ( 488700.0, 3668050.0,      217.3,

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Villages Escondido Construction PM

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0.0);	(488800.0,	3668050.0,	219.0,
219.0,	0.0);		
(488850.0,	3668050.0,	221.6,	221.6,
0.0);	(488900.0,	3668050.0,	225.6,
225.6,	0.0);		
(488950.0,	3668050.0,	228.4,	228.4,
0.0);	(489000.0,	3668050.0,	230.9,
230.9,	0.0);		
(489050.0,	3668050.0,	228.1,	228.1,
0.0);	(489100.0,	3668050.0,	222.7,
230.0,	0.0);		
(489150.0,	3668050.0,	218.3,	230.0,
0.0);	(489200.0,	3668050.0,	217.9,
269.0,	0.0);		
(489250.0,	3668050.0,	219.1,	269.0,
0.0);	(489300.0,	3668050.0,	225.5,
269.0,	0.0);		
(489350.0,	3668050.0,	224.2,	269.0,
0.0);	(489400.0,	3668050.0,	224.4,
269.0,	0.0);		
(489450.0,	3668050.0,	223.9,	269.0,
0.0);	(489500.0,	3668050.0,	225.5,
269.0,	0.0);		
(489550.0,	3668050.0,	228.8,	269.0,
0.0);	(489600.0,	3668050.0,	230.5,
269.0,	0.0);		
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0.0);	(489700.0,	3668050.0,	242.4,
269.0,	0.0);		
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0.0);	(489800.0,	3668050.0,	242.2,
257.0,	0.0);		
(489850.0,	3668050.0,	245.6,	245.6,

Villages Escondido Construction PM

```

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257.0,      0.0);
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0.0);      ( 490000.0, 3668050.0,      229.8,
257.0,      0.0);
      ( 490050.0, 3668050.0,      226.6,      257.0,
0.0);      ( 490100.0, 3668050.0,      224.5,
263.0,      0.0);
      ( 490150.0, 3668050.0,      223.8,      267.0,
0.0);      ( 490200.0, 3668050.0,      223.8,
267.0,      0.0);
      ( 490250.0, 3668050.0,      224.7,      224.7,
0.0);      ( 490300.0, 3668050.0,      224.8,
270.0,      0.0);

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▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
 View\Villages Escondido Construction PM\Villages Esc ***
 05/09/17

*** AERMET - VERSION 15181 *** ***

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
 RURAL

DISCRETE CARTESIAN RECEPTORS ***

(X-COORD,

Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

```

      ( 490350.0, 3668050.0,      224.5,      270.0,
0.0);      ( 487900.0, 3668100.0,      209.5,

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Villages Escondido Construction PM

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0.0);      ( 488100.0, 3668100.0,      217.8,
217.8,      0.0);
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0.0);      ( 488200.0, 3668100.0,      226.0,
226.0,      0.0);
    ( 488250.0, 3668100.0,      227.9,      231.0,
0.0);      ( 488300.0, 3668100.0,      228.7,
231.0,      0.0);
    ( 488350.0, 3668100.0,      227.0,      227.0,
0.0);      ( 488400.0, 3668100.0,      224.5,
224.5,      0.0);
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0.0);      ( 488500.0, 3668100.0,      219.0,
219.0,      0.0);
    ( 488550.0, 3668100.0,      217.8,      217.8,
0.0);      ( 488600.0, 3668100.0,      216.7,
216.7,      0.0);
    ( 488650.0, 3668100.0,      217.0,      217.0,
0.0);      ( 488700.0, 3668100.0,      216.9,
216.9,      0.0);
    ( 488750.0, 3668100.0,      218.0,      218.0,
0.0);      ( 488800.0, 3668100.0,      219.0,
219.0,      0.0);
    ( 488850.0, 3668100.0,      220.2,      220.2,
0.0);      ( 488900.0, 3668100.0,      223.1,
223.1,      0.0);
    ( 488950.0, 3668100.0,      225.1,      225.1,
0.0);      ( 489000.0, 3668100.0,      226.4,
231.0,      0.0);
    ( 489050.0, 3668100.0,      225.5,      225.5,

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Villages Escondido Construction PM

```

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222.0,          0.0);
      ( 489150.0, 3668100.0,      218.8,      269.0,
0.0);          ( 489200.0, 3668100.0,      220.8,
269.0,          0.0);
      ( 489250.0, 3668100.0,      223.4,      269.0,
0.0);          ( 489300.0, 3668100.0,      226.9,
269.0,          0.0);
      ( 489350.0, 3668100.0,      227.2,      269.0,
0.0);          ( 489400.0, 3668100.0,      226.1,
269.0,          0.0);
      ( 489450.0, 3668100.0,      229.2,      269.0,
0.0);          ( 489500.0, 3668100.0,      228.4,
269.0,          0.0);
      ( 489550.0, 3668100.0,      230.0,      269.0,
0.0);          ( 489600.0, 3668100.0,      234.2,
269.0,          0.0);
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0.0);          ( 489700.0, 3668100.0,      249.4,
249.4,          0.0);
      ( 489750.0, 3668100.0,      242.2,      269.0,
0.0);          ( 489800.0, 3668100.0,      247.5,
257.0,          0.0);
      ( 489850.0, 3668100.0,      249.4,      257.0,
0.0);          ( 489900.0, 3668100.0,      241.8,
257.0,          0.0);
      ( 489950.0, 3668100.0,      237.1,      257.0,
0.0);          ( 490000.0, 3668100.0,      231.4,
257.0,          0.0);
      ( 490050.0, 3668100.0,      228.8,      263.0,
0.0);          ( 490100.0, 3668100.0,      226.1,
267.0,          0.0);
      ( 490150.0, 3668100.0,      224.5,      269.0,
0.0);          ( 490200.0, 3668100.0,      226.6,
269.0,          0.0);

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Villages Escondido Construction PM

(490250.0, 3668100.0,	227.3,	269.0,
0.0);	(490300.0, 3668100.0,	228.0,
270.0,	0.0);	
(490350.0, 3668100.0,	227.6,	270.0,
0.0);	(487900.0, 3668150.0,	210.1,
400.0,	0.0);	
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0.0);	(488000.0, 3668150.0,	215.5,
400.0,	0.0);	
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0.0);	(488100.0, 3668150.0,	220.8,
398.0,	0.0);	
(488150.0, 3668150.0,	222.9,	222.9,
0.0);	(488200.0, 3668150.0,	226.9,
226.9,	0.0);	
(488250.0, 3668150.0,	230.9,	232.0,
0.0);	(488300.0, 3668150.0,	230.7,
232.0,	0.0);	
(488350.0, 3668150.0,	225.7,	232.0,
0.0);	(488400.0, 3668150.0,	221.3,
221.3,	0.0);	
(488450.0, 3668150.0,	218.1,	218.1,
0.0);	(488500.0, 3668150.0,	215.7,
422.0,	0.0);	
(488550.0, 3668150.0,	214.8,	422.0,
0.0);	(488600.0, 3668150.0,	213.9,
422.0,	0.0);	
(488650.0, 3668150.0,	214.0,	422.0,
0.0);	(488700.0, 3668150.0,	216.0,
422.0,	0.0);	
(488750.0, 3668150.0,	217.4,	422.0,
0.0);	(488800.0, 3668150.0,	218.0,
422.0,	0.0);	
(488850.0, 3668150.0,	219.0,	421.0,
0.0);	(488900.0, 3668150.0,	220.2,

Villages Escondido Construction PM

```

421.0,      0.0);
      ( 488950.0, 3668150.0,      221.9,      221.9,
0.0);      ( 489000.0, 3668150.0,      223.6,
223.6,      0.0);
      ( 489050.0, 3668150.0,      224.0,      224.0,
0.0);      ( 489100.0, 3668150.0,      222.1,
222.1,      0.0);
      ( 489150.0, 3668150.0,      222.1,      225.0,
0.0);      ( 489200.0, 3668150.0,      225.5,
269.0,      0.0);
      ( 489250.0, 3668150.0,      227.3,      269.0,
0.0);      ( 489300.0, 3668150.0,      229.0,
269.0,      0.0);
      ( 489350.0, 3668150.0,      229.9,      269.0,
0.0);      ( 489400.0, 3668150.0,      231.3,
269.0,      0.0);
      ( 489450.0, 3668150.0,      233.9,      269.0,
0.0);      ( 489500.0, 3668150.0,      231.2,
269.0,      0.0);
      ( 489550.0, 3668150.0,      231.7,      269.0,
0.0);      ( 489600.0, 3668150.0,      239.7,
269.0,      0.0);
      ( 489650.0, 3668150.0,      249.7,      269.0,
0.0);      ( 489700.0, 3668150.0,      247.4,
269.0,      0.0);
      ( 489750.0, 3668150.0,      247.6,      269.0,
0.0);      ( 489800.0, 3668150.0,      252.2,
256.0,      0.0);

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▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
 View\Villages Escondido Construction PM\Villages Esc ***
 05/09/17

*** AERMET - VERSION 15181 *** ***

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Villages Escondido Construction PM

PAGE 15

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

DISCRETE CARTESIAN RECEPTORS ***

(X-COORD,

Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

(489850.0, 3668150.0,	254.4,	257.0,
0.0);	(489900.0, 3668150.0,	251.7,
257.0,	0.0);	
(489950.0, 3668150.0,	243.8,	257.0,
0.0);	(490000.0, 3668150.0,	235.3,
257.0,	0.0);	
(490050.0, 3668150.0,	230.5,	267.0,
0.0);	(490100.0, 3668150.0,	228.4,
269.0,	0.0);	
(490150.0, 3668150.0,	227.6,	269.0,
0.0);	(490200.0, 3668150.0,	230.2,
269.0,	0.0);	
(490250.0, 3668150.0,	231.6,	269.0,
0.0);	(490300.0, 3668150.0,	231.7,
270.0,	0.0);	
(490350.0, 3668150.0,	230.8,	270.0,
0.0);	(487900.0, 3668200.0,	209.2,
400.0,	0.0);	
(487950.0, 3668200.0,	214.1,	400.0,
0.0);	(488000.0, 3668200.0,	217.4,
400.0,	0.0);	
(488050.0, 3668200.0,	219.6,	400.0,
0.0);	(488100.0, 3668200.0,	222.7,

Villages Escondido Construction PM

400.0, 0.0);
 (488150.0, 3668200.0, 224.8, 224.8,
 0.0); (488200.0, 3668200.0, 226.0,
 226.0, 0.0);
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 0.0); (488300.0, 3668200.0, 227.3,
 230.0, 0.0);
 (488350.0, 3668200.0, 222.3, 232.0,
 0.0); (488400.0, 3668200.0, 218.0,
 422.0, 0.0);
 (488450.0, 3668200.0, 215.0, 422.0,
 0.0); (488500.0, 3668200.0, 213.2,
 422.0, 0.0);
 (488550.0, 3668200.0, 213.1, 422.0,
 0.0); (488600.0, 3668200.0, 213.3,
 422.0, 0.0);
 (488650.0, 3668200.0, 214.0, 422.0,
 0.0); (488700.0, 3668200.0, 215.9,
 422.0, 0.0);
 (488750.0, 3668200.0, 217.4, 422.0,
 0.0); (488800.0, 3668200.0, 218.0,
 422.0, 0.0);
 (488850.0, 3668200.0, 218.8, 422.0,
 0.0); (488900.0, 3668200.0, 219.0,
 422.0, 0.0);
 (488950.0, 3668200.0, 221.0, 422.0,
 0.0); (489000.0, 3668200.0, 223.9,
 421.0, 0.0);
 (489050.0, 3668200.0, 225.3, 225.3,
 0.0); (489100.0, 3668200.0, 224.6,
 224.6, 0.0);
 (489150.0, 3668200.0, 225.5, 225.5,
 0.0); (489200.0, 3668200.0, 228.0,
 228.0, 0.0);
 (489250.0, 3668200.0, 229.9, 269.0,

Villages Escondido Construction PM

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0.0);          ( 489300.0, 3668200.0,      233.4,
269.0,          0.0);
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0.0);          ( 489400.0, 3668200.0,      237.1,
269.0,          0.0);
      ( 489450.0, 3668200.0,      237.4,      269.0,
0.0);          ( 489500.0, 3668200.0,      237.6,
269.0,          0.0);
      ( 489550.0, 3668200.0,      243.3,      269.0,
0.0);          ( 489600.0, 3668200.0,      247.8,
269.0,          0.0);
      ( 489650.0, 3668200.0,      255.8,      269.0,
0.0);          ( 489700.0, 3668200.0,      251.6,
269.0,          0.0);
      ( 489750.0, 3668200.0,      253.1,      269.0,
0.0);          ( 489800.0, 3668200.0,      254.8,
254.8,          0.0);
      ( 489850.0, 3668200.0,      256.2,      256.2,
0.0);          ( 489900.0, 3668200.0,      256.1,
256.1,          0.0);
      ( 489950.0, 3668200.0,      248.3,      257.0,
0.0);          ( 490000.0, 3668200.0,      239.5,
263.0,          0.0);
      ( 490050.0, 3668200.0,      232.9,      269.0,
0.0);          ( 490100.0, 3668200.0,      229.9,
269.0,          0.0);
      ( 490150.0, 3668200.0,      231.1,      269.0,
0.0);          ( 490200.0, 3668200.0,      236.1,
269.0,          0.0);
      ( 490250.0, 3668200.0,      238.3,      269.0,
0.0);          ( 490300.0, 3668200.0,      238.4,
254.0,          0.0);
      ( 490350.0, 3668200.0,      235.5,      270.0,
0.0);          ( 487900.0, 3668250.0,      208.1,
400.0,          0.0);

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Villages Escondido Construction PM

(487950.0, 3668250.0,	213.7,	400.0,
0.0);	(488000.0, 3668250.0,	217.2,
400.0,	0.0);	
(488050.0, 3668250.0,	218.6,	400.0,
0.0);	(488100.0, 3668250.0,	222.2,
400.0,	0.0);	
(488150.0, 3668250.0,	226.5,	400.0,
0.0);	(488200.0, 3668250.0,	226.5,
226.5,	0.0);	
(488250.0, 3668250.0,	225.8,	225.8,
0.0);	(488300.0, 3668250.0,	222.9,
229.0,	0.0);	
(488350.0, 3668250.0,	219.5,	422.0,
0.0);	(488400.0, 3668250.0,	215.7,
422.0,	0.0);	
(488450.0, 3668250.0,	213.3,	422.0,
0.0);	(488500.0, 3668250.0,	213.5,
422.0,	0.0);	
(488550.0, 3668250.0,	214.0,	422.0,
0.0);	(488600.0, 3668250.0,	214.2,
422.0,	0.0);	
(488650.0, 3668250.0,	215.5,	422.0,
0.0);	(488700.0, 3668250.0,	217.2,
422.0,	0.0);	
(488750.0, 3668250.0,	218.4,	422.0,
0.0);	(488800.0, 3668250.0,	219.0,
422.0,	0.0);	
(488850.0, 3668250.0,	219.0,	422.0,
0.0);	(488900.0, 3668250.0,	219.0,
422.0,	0.0);	
(488950.0, 3668250.0,	219.6,	422.0,
0.0);	(489000.0, 3668250.0,	222.6,
422.0,	0.0);	
(489050.0, 3668250.0,	225.1,	422.0,
0.0);	(489100.0, 3668250.0,	224.6,

Villages Escondido Construction PM

422.0, 0.0);
(489150.0, 3668250.0, 226.5, 421.0,
0.0); (489200.0, 3668250.0, 229.7,
229.7, 0.0);
(489250.0, 3668250.0, 233.0, 233.0,
0.0); (489300.0, 3668250.0, 237.2,
269.0, 0.0);

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
View\Villages Escondido Construction PM\Villages Esc ***
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*** AERMET - VERSION 15181 *** ***

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

DISCRETE CARTESIAN RECEPTORS ***

(X-COORD,

Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

(489350.0, 3668250.0, 240.0, 269.0,
0.0); (489400.0, 3668250.0, 243.0,
269.0, 0.0);
(489450.0, 3668250.0, 244.6, 269.0,
0.0); (489500.0, 3668250.0, 247.4,
269.0, 0.0);
(489550.0, 3668250.0, 252.5, 269.0,
0.0); (489600.0, 3668250.0, 259.1,
269.0, 0.0);

Villages Escondido Construction PM

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( 489650.0, 3668250.0,      260.7,      269.0,
0.0);      ( 489700.0, 3668250.0,      256.4,
269.0,      0.0);
( 489750.0, 3668250.0,      255.6,      269.0,
0.0);      ( 489800.0, 3668250.0,      253.1,
253.1,      0.0);
( 489850.0, 3668250.0,      249.1,      257.0,
0.0);      ( 489900.0, 3668250.0,      247.8,
257.0,      0.0);
( 489950.0, 3668250.0,      244.4,      257.0,
0.0);      ( 490000.0, 3668250.0,      238.0,
263.0,      0.0);
( 490050.0, 3668250.0,      235.7,      269.0,
0.0);      ( 490100.0, 3668250.0,      234.3,
269.0,      0.0);
( 490150.0, 3668250.0,      232.0,      269.0,
0.0);      ( 490200.0, 3668250.0,      237.8,
269.0,      0.0);
( 490250.0, 3668250.0,      242.3,      269.0,
0.0);      ( 490300.0, 3668250.0,      242.9,
257.0,      0.0);
( 490350.0, 3668250.0,      237.9,      270.0,
0.0);      ( 487900.0, 3668300.0,      208.9,
460.0,      0.0);
( 487950.0, 3668300.0,      213.1,      460.0,
0.0);      ( 488000.0, 3668300.0,      213.6,
460.0,      0.0);
( 488050.0, 3668300.0,      213.0,      460.0,
0.0);      ( 488100.0, 3668300.0,      213.6,
460.0,      0.0);
( 488150.0, 3668300.0,      218.5,      422.0,
0.0);      ( 488200.0, 3668300.0,      219.1,
422.0,      0.0);
( 488250.0, 3668300.0,      216.9,      422.0,
0.0);      ( 488300.0, 3668300.0,      215.1,

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Villages Escondido Construction PM

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422.0,      0.0);
    ( 488350.0, 3668300.0,      213.7,      460.0,
0.0);      ( 488400.0, 3668300.0,      213.0,
460.0,      0.0);
    ( 488450.0, 3668300.0,      213.1,      460.0,
0.0);      ( 488500.0, 3668300.0,      214.0,
444.0,      0.0);
    ( 488550.0, 3668300.0,      214.7,      444.0,
0.0);      ( 488600.0, 3668300.0,      215.5,
444.0,      0.0);
    ( 488650.0, 3668300.0,      217.0,      422.0,
0.0);      ( 488700.0, 3668300.0,      217.8,
422.0,      0.0);
    ( 488750.0, 3668300.0,      219.2,      422.0,
0.0);      ( 488800.0, 3668300.0,      220.3,
422.0,      0.0);
    ( 488850.0, 3668300.0,      220.2,      422.0,
0.0);      ( 488900.0, 3668300.0,      220.1,
422.0,      0.0);
    ( 488950.0, 3668300.0,      219.2,      422.0,
0.0);      ( 489000.0, 3668300.0,      220.7,
422.0,      0.0);
    ( 489050.0, 3668300.0,      223.3,      422.0,
0.0);      ( 489100.0, 3668300.0,      224.2,
422.0,      0.0);
    ( 489150.0, 3668300.0,      225.7,      422.0,
0.0);      ( 489200.0, 3668300.0,      228.7,
422.0,      0.0);
    ( 489250.0, 3668300.0,      231.8,      421.0,
0.0);      ( 489300.0, 3668300.0,      235.8,
269.0,      0.0);
    ( 489350.0, 3668300.0,      238.7,      269.0,
0.0);      ( 489400.0, 3668300.0,      243.6,
269.0,      0.0);
    ( 489450.0, 3668300.0,      246.2,      269.0,

```

Villages Escondido Construction PM

0.0);	(489500.0, 3668300.0,	251.3,
269.0,	0.0);	
(489550.0, 3668300.0,	262.5,	269.0,
0.0);	(489600.0, 3668300.0,	267.3,
269.0,	0.0);	
(489650.0, 3668300.0,	265.4,	269.0,
0.0);	(489700.0, 3668300.0,	258.4,
269.0,	0.0);	
(489750.0, 3668300.0,	256.4,	269.0,
0.0);	(489800.0, 3668300.0,	249.3,
269.0,	0.0);	
(489850.0, 3668300.0,	243.7,	269.0,
0.0);	(489900.0, 3668300.0,	241.6,
269.0,	0.0);	
(489950.0, 3668300.0,	240.4,	263.0,
0.0);	(490000.0, 3668300.0,	238.9,
267.0,	0.0);	
(490050.0, 3668300.0,	243.2,	267.0,
0.0);	(490100.0, 3668300.0,	243.6,
269.0,	0.0);	
(490150.0, 3668300.0,	239.8,	269.0,
0.0);	(490200.0, 3668300.0,	238.1,
269.0,	0.0);	
(490250.0, 3668300.0,	246.2,	269.0,
0.0);	(490300.0, 3668300.0,	248.4,
254.0,	0.0);	
(490350.0, 3668300.0,	244.0,	270.0,
0.0);	(487900.0, 3668350.0,	208.8,
465.0,	0.0);	
(487950.0, 3668350.0,	210.1,	465.0,
0.0);	(488000.0, 3668350.0,	212.2,
465.0,	0.0);	
(488050.0, 3668350.0,	212.2,	463.0,
0.0);	(488100.0, 3668350.0,	212.1,
463.0,	0.0);	

Villages Escondido Construction PM

```
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0.0); ( 488200.0, 3668350.0, 211.4,
463.0, 0.0);
( 488250.0, 3668350.0, 211.8, 463.0,
0.0); ( 488300.0, 3668350.0, 212.0,
463.0, 0.0);
( 488350.0, 3668350.0, 212.8, 463.0,
0.0); ( 488400.0, 3668350.0, 213.6,
463.0, 0.0);
( 488450.0, 3668350.0, 213.9, 463.0,
0.0); ( 488500.0, 3668350.0, 214.0,
463.0, 0.0);
( 488550.0, 3668350.0, 214.9, 463.0,
0.0); ( 488600.0, 3668350.0, 216.3,
444.0, 0.0);
( 488650.0, 3668350.0, 217.8, 444.0,
0.0); ( 488700.0, 3668350.0, 218.7,
444.0, 0.0);
( 488750.0, 3668350.0, 220.6, 444.0,
0.0); ( 488800.0, 3668350.0, 223.6,
422.0, 0.0);
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▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
View\Villages Escondido Construction PM\Villages Esc ***
05/09/17

*** AERMET - VERSION 15181 *** ***

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

DISCRETE CARTESIAN RECEPTORS ***

Villages Escondido Construction PM

(X-COORD,

Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

```

      ( 488850.0, 3668350.0,      224.4,      422.0,
0.0);      ( 488900.0, 3668350.0,      222.3,
422.0,      0.0);
      ( 488950.0, 3668350.0,      221.6,      422.0,
0.0);      ( 489000.0, 3668350.0,      221.8,
422.0,      0.0);
      ( 489050.0, 3668350.0,      223.2,      422.0,
0.0);      ( 489100.0, 3668350.0,      224.2,
422.0,      0.0);
      ( 489150.0, 3668350.0,      225.1,      422.0,
0.0);      ( 489200.0, 3668350.0,      227.6,
422.0,      0.0);
      ( 489250.0, 3668350.0,      230.0,      422.0,
0.0);      ( 489300.0, 3668350.0,      233.5,
421.0,      0.0);
      ( 489350.0, 3668350.0,      235.6,      421.0,
0.0);      ( 489400.0, 3668350.0,      238.6,
387.0,      0.0);
      ( 489450.0, 3668350.0,      242.3,      269.0,
0.0);      ( 489500.0, 3668350.0,      247.7,
269.0,      0.0);
      ( 489550.0, 3668350.0,      254.2,      269.0,
0.0);      ( 489600.0, 3668350.0,      258.7,
269.0,      0.0);
      ( 489650.0, 3668350.0,      257.7,      269.0,
0.0);      ( 489700.0, 3668350.0,      250.1,
269.0,      0.0);
      ( 489750.0, 3668350.0,      245.2,      269.0,
0.0);      ( 489800.0, 3668350.0,      242.1,
269.0,      0.0);

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Villages Escondido Construction PM

(489850.0, 3668350.0,	239.6,	269.0,
0.0);	(489900.0, 3668350.0,	237.7,
269.0,	0.0);	
(489950.0, 3668350.0,	241.6,	263.0,
0.0);	(490000.0, 3668350.0,	247.3,
263.0,	0.0);	
(490050.0, 3668350.0,	252.2,	263.0,
0.0);	(490100.0, 3668350.0,	252.8,
263.0,	0.0);	
(490150.0, 3668350.0,	249.8,	269.0,
0.0);	(490200.0, 3668350.0,	244.1,
269.0,	0.0);	
(490250.0, 3668350.0,	248.2,	269.0,
0.0);	(490300.0, 3668350.0,	253.4,
254.0,	0.0);	
(490350.0, 3668350.0,	252.4,	262.0,
0.0);	(487900.0, 3668400.0,	209.5,
465.0,	0.0);	
(487950.0, 3668400.0,	210.2,	465.0,
0.0);	(488000.0, 3668400.0,	211.0,
465.0,	0.0);	
(488050.0, 3668400.0,	211.0,	465.0,
0.0);	(488100.0, 3668400.0,	211.2,
465.0,	0.0);	
(488150.0, 3668400.0,	211.5,	465.0,
0.0);	(488200.0, 3668400.0,	211.5,
465.0,	0.0);	
(488250.0, 3668400.0,	212.0,	465.0,
0.0);	(488300.0, 3668400.0,	212.7,
465.0,	0.0);	
(488350.0, 3668400.0,	213.5,	463.0,
0.0);	(488400.0, 3668400.0,	213.2,
463.0,	0.0);	
(488450.0, 3668400.0,	213.4,	463.0,
0.0);	(488500.0, 3668400.0,	214.0,

Villages Escondido Construction PM

```

463.0,      0.0);
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0.0);      ( 488600.0, 3668400.0,      216.4,
463.0,      0.0);
    ( 488650.0, 3668400.0,      218.0,      463.0,
0.0);      ( 488700.0, 3668400.0,      219.0,
463.0,      0.0);
    ( 488750.0, 3668400.0,      222.7,      444.0,
0.0);      ( 488800.0, 3668400.0,      226.5,
422.0,      0.0);
    ( 488850.0, 3668400.0,      226.0,      444.0,
0.0);      ( 488900.0, 3668400.0,      224.5,
444.0,      0.0);
    ( 488950.0, 3668400.0,      223.0,      444.0,
0.0);      ( 489000.0, 3668400.0,      222.0,
444.0,      0.0);
    ( 489050.0, 3668400.0,      223.0,      444.0,
0.0);      ( 489100.0, 3668400.0,      224.0,
444.0,      0.0);
    ( 489150.0, 3668400.0,      224.7,      422.0,
0.0);      ( 489200.0, 3668400.0,      226.1,
422.0,      0.0);
    ( 489250.0, 3668400.0,      228.6,      422.0,
0.0);      ( 489300.0, 3668400.0,      230.9,
422.0,      0.0);
    ( 489350.0, 3668400.0,      232.1,      422.0,
0.0);      ( 489400.0, 3668400.0,      234.1,
422.0,      0.0);
    ( 489450.0, 3668400.0,      236.8,      421.0,
0.0);      ( 489500.0, 3668400.0,      239.4,
421.0,      0.0);
    ( 489550.0, 3668400.0,      245.7,      269.0,
0.0);      ( 489600.0, 3668400.0,      248.8,
269.0,      0.0);
    ( 489650.0, 3668400.0,      248.3,      269.0,

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Villages Escondido Construction PM

```

0.0);          ( 489700.0, 3668400.0,      242.6,
387.0,          0.0);
      ( 489750.0, 3668400.0,      238.4,      387.0,
0.0);          ( 489800.0, 3668400.0,      234.6,
387.0,          0.0);
      ( 489850.0, 3668400.0,      235.6,      387.0,
0.0);          ( 489900.0, 3668400.0,      238.7,
387.0,          0.0);
      ( 489950.0, 3668400.0,      246.2,      263.0,
0.0);          ( 490000.0, 3668400.0,      251.6,
263.0,          0.0);
      ( 490050.0, 3668400.0,      257.9,      263.0,
0.0);          ( 490100.0, 3668400.0,      260.9,
263.0,          0.0);
      ( 490150.0, 3668400.0,      257.8,      266.0,
0.0);          ( 490200.0, 3668400.0,      253.5,
269.0,          0.0);
      ( 490250.0, 3668400.0,      253.1,      269.0,
0.0);          ( 490300.0, 3668400.0,      256.0,
269.0,          0.0);
      ( 490350.0, 3668400.0,      257.8,      257.8,
0.0);          ( 487900.0, 3668450.0,      211.1,
465.0,          0.0);
      ( 487950.0, 3668450.0,      211.1,      465.0,
0.0);          ( 488000.0, 3668450.0,      212.0,
465.0,          0.0);
      ( 488050.0, 3668450.0,      212.2,      465.0,
0.0);          ( 488100.0, 3668450.0,      213.0,
465.0,          0.0);
      ( 488150.0, 3668450.0,      212.1,      465.0,
0.0);          ( 488200.0, 3668450.0,      212.1,
465.0,          0.0);
      ( 488250.0, 3668450.0,      212.7,      465.0,
0.0);          ( 488300.0, 3668450.0,      213.5,
465.0,          0.0);

```

Villages Escondido Construction PM
▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
View\Villages Escondido Construction PM\Villages Esc ***
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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

DISCRETE CARTESIAN RECEPTORS ***

(X-COORD,

Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

(488350.0, 3668450.0, 214.1, 465.0,	
0.0);	(488400.0, 3668450.0, 214.0,
465.0, 0.0);	
(488450.0, 3668450.0, 213.3, 465.0,	
0.0);	(488500.0, 3668450.0, 214.0,
465.0, 0.0);	
(488550.0, 3668450.0, 215.7, 463.0,	
0.0);	(488600.0, 3668450.0, 216.4,
463.0, 0.0);	
(488650.0, 3668450.0, 218.0, 463.0,	
0.0);	(488700.0, 3668450.0, 218.6,
463.0, 0.0);	
(488750.0, 3668450.0, 220.9, 463.0,	
0.0);	(488800.0, 3668450.0, 225.9,
444.0, 0.0);	
(488850.0, 3668450.0, 226.0, 444.0,	

Villages Escondido Construction PM

```

0.0);          ( 488900.0, 3668450.0,      224.7,
444.0,          0.0);
      ( 488950.0, 3668450.0,      222.8,      444.0,
0.0);          ( 489000.0, 3668450.0,      222.0,
444.0,          0.0);
      ( 489050.0, 3668450.0,      223.0,      444.0,
0.0);          ( 489100.0, 3668450.0,      224.0,
444.0,          0.0);
      ( 489150.0, 3668450.0,      224.7,      444.0,
0.0);          ( 489200.0, 3668450.0,      225.4,
444.0,          0.0);
      ( 489250.0, 3668450.0,      227.0,      422.0,
0.0);          ( 489300.0, 3668450.0,      229.4,
422.0,          0.0);
      ( 489350.0, 3668450.0,      230.5,      422.0,
0.0);          ( 489400.0, 3668450.0,      230.9,
422.0,          0.0);
      ( 489450.0, 3668450.0,      230.9,      422.0,
0.0);          ( 489500.0, 3668450.0,      232.0,
422.0,          0.0);
      ( 489550.0, 3668450.0,      236.8,      421.0,
0.0);          ( 489600.0, 3668450.0,      241.4,
421.0,          0.0);
      ( 489650.0, 3668450.0,      238.1,      421.0,
0.0);          ( 489700.0, 3668450.0,      235.5,
421.0,          0.0);
      ( 489750.0, 3668450.0,      231.7,      421.0,
0.0);          ( 489800.0, 3668450.0,      230.3,
421.0,          0.0);
      ( 489850.0, 3668450.0,      232.3,      421.0,
0.0);          ( 489900.0, 3668450.0,      241.3,
387.0,          0.0);
      ( 489950.0, 3668450.0,      245.6,      263.0,
0.0);          ( 490000.0, 3668450.0,      249.7,
263.0,          0.0);

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Villages Escondido Construction PM

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260.1,      0.0);
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0.0);      ( 490200.0, 3668450.0,      263.2,
267.0,      0.0);
( 490250.0, 3668450.0,      260.1,      269.0,
0.0);      ( 490300.0, 3668450.0,      258.2,
269.0,      0.0);
( 490350.0, 3668450.0,      255.3,      269.0,
0.0);      ( 487900.0, 3668500.0,      212.0,
465.0,      0.0);
( 487950.0, 3668500.0,      212.0,      465.0,
0.0);      ( 488000.0, 3668500.0,      212.8,
465.0,      0.0);
( 488050.0, 3668500.0,      213.0,      465.0,
0.0);      ( 488100.0, 3668500.0,      213.2,
465.0,      0.0);
( 488150.0, 3668500.0,      213.0,      465.0,
0.0);      ( 488200.0, 3668500.0,      213.0,
465.0,      0.0);
( 488250.0, 3668500.0,      213.6,      465.0,
0.0);      ( 488300.0, 3668500.0,      214.3,
465.0,      0.0);
( 488350.0, 3668500.0,      215.0,      465.0,
0.0);      ( 488400.0, 3668500.0,      214.1,
465.0,      0.0);
( 488450.0, 3668500.0,      213.0,      465.0,
0.0);      ( 488500.0, 3668500.0,      214.0,
465.0,      0.0);
( 488550.0, 3668500.0,      215.7,      465.0,
0.0);      ( 488600.0, 3668500.0,      216.9,
465.0,      0.0);
( 488650.0, 3668500.0,      218.0,      463.0,
0.0);      ( 488700.0, 3668500.0,      218.0,

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Villages Escondido Construction PM

```

463.0,      0.0);
    ( 488750.0, 3668500.0,      219.4,      463.0,
0.0);      ( 488800.0, 3668500.0,      224.2,
463.0,      0.0);
    ( 488850.0, 3668500.0,      226.9,      444.0,
0.0);      ( 488900.0, 3668500.0,      223.6,
463.0,      0.0);
    ( 488950.0, 3668500.0,      222.0,      463.0,
0.0);      ( 489000.0, 3668500.0,      222.0,
463.0,      0.0);
    ( 489050.0, 3668500.0,      223.3,      444.0,
0.0);      ( 489100.0, 3668500.0,      224.0,
444.0,      0.0);
    ( 489150.0, 3668500.0,      224.7,      444.0,
0.0);      ( 489200.0, 3668500.0,      226.2,
444.0,      0.0);
    ( 489250.0, 3668500.0,      228.6,      444.0,
0.0);      ( 489300.0, 3668500.0,      230.5,
422.0,      0.0);
    ( 489350.0, 3668500.0,      231.8,      422.0,
0.0);      ( 489400.0, 3668500.0,      230.0,
422.0,      0.0);
    ( 489450.0, 3668500.0,      229.4,      422.0,
0.0);      ( 489500.0, 3668500.0,      230.6,
422.0,      0.0);
    ( 489550.0, 3668500.0,      233.4,      422.0,
0.0);      ( 489600.0, 3668500.0,      237.5,
421.0,      0.0);
    ( 489650.0, 3668500.0,      235.0,      421.0,
0.0);      ( 489700.0, 3668500.0,      231.3,
422.0,      0.0);
    ( 489750.0, 3668500.0,      229.8,      422.0,
0.0);      ( 489800.0, 3668500.0,      230.3,
421.0,      0.0);
    ( 489850.0, 3668500.0,      233.1,      421.0,

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Villages Escondido Construction PM

0.0); (489900.0, 3668500.0, 237.1,
421.0, 0.0);
(489950.0, 3668500.0, 240.4, 387.0,
0.0); (490000.0, 3668500.0, 243.0,
387.0, 0.0);
(490050.0, 3668500.0, 248.1, 269.0,
0.0); (490100.0, 3668500.0, 257.1,
266.0, 0.0);
(490150.0, 3668500.0, 264.0, 264.0,
0.0); (490200.0, 3668500.0, 267.2,
267.2, 0.0);
(490250.0, 3668500.0, 266.7, 269.0,
0.0); (490300.0, 3668500.0, 259.1,
269.0, 0.0);

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
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*** AERMET - VERSION 15181 *** ***

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

DISCRETE CARTESIAN RECEPTORS ***

(X-COORD,

Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

(490350.0, 3668500.0, 250.7, 269.0,
0.0); (487900.0, 3668550.0, 213.0,

Villages Escondido Construction PM

```

465.0,      0.0);
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0.0);      ( 488000.0, 3668550.0,      213.5,
465.0,      0.0);
    ( 488050.0, 3668550.0,      214.0,      465.0,
0.0);      ( 488100.0, 3668550.0,      214.2,
465.0,      0.0);
    ( 488150.0, 3668550.0,      213.5,      465.0,
0.0);      ( 488200.0, 3668550.0,      214.0,
465.0,      0.0);
    ( 488250.0, 3668550.0,      214.5,      465.0,
0.0);      ( 488300.0, 3668550.0,      215.5,
465.0,      0.0);
    ( 488350.0, 3668550.0,      215.5,      465.0,
0.0);      ( 488400.0, 3668550.0,      215.5,
465.0,      0.0);
    ( 488450.0, 3668550.0,      215.0,      465.0,
0.0);      ( 488500.0, 3668550.0,      215.5,
465.0,      0.0);
    ( 488550.0, 3668550.0,      217.2,      465.0,
0.0);      ( 488600.0, 3668550.0,      217.7,
465.0,      0.0);
    ( 488650.0, 3668550.0,      218.0,      465.0,
0.0);      ( 488700.0, 3668550.0,      218.5,
465.0,      0.0);
    ( 488750.0, 3668550.0,      219.0,      463.0,
0.0);      ( 488800.0, 3668550.0,      219.6,
463.0,      0.0);
    ( 488850.0, 3668550.0,      221.2,      463.0,
0.0);      ( 488900.0, 3668550.0,      220.0,
463.0,      0.0);
    ( 488950.0, 3668550.0,      220.0,      463.0,
0.0);      ( 489000.0, 3668550.0,      221.7,
463.0,      0.0);
    ( 489050.0, 3668550.0,      223.4,      463.0,

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Villages Escondido Construction PM

```

0.0);      ( 489100.0, 3668550.0,      224.0,
463.0,      0.0);
      ( 489150.0, 3668550.0,      225.0,      444.0,
0.0);      ( 489200.0, 3668550.0,      226.7,
444.0,      0.0);
      ( 489250.0, 3668550.0,      230.5,      444.0,
0.0);      ( 489300.0, 3668550.0,      232.0,
444.0,      0.0);
      ( 489350.0, 3668550.0,      231.8,      444.0,
0.0);      ( 489400.0, 3668550.0,      230.0,
444.0,      0.0);
      ( 489450.0, 3668550.0,      227.4,      444.0,
0.0);      ( 489500.0, 3668550.0,      227.2,
444.0,      0.0);
      ( 489550.0, 3668550.0,      228.1,      422.0,
0.0);      ( 489600.0, 3668550.0,      230.1,
422.0,      0.0);
      ( 489650.0, 3668550.0,      229.5,      422.0,
0.0);      ( 489700.0, 3668550.0,      229.5,
422.0,      0.0);
      ( 489750.0, 3668550.0,      229.0,      422.0,
0.0);      ( 489800.0, 3668550.0,      230.4,
422.0,      0.0);
      ( 489850.0, 3668550.0,      232.0,      421.0,
0.0);      ( 489900.0, 3668550.0,      234.9,
421.0,      0.0);
      ( 489950.0, 3668550.0,      236.5,      421.0,
0.0);      ( 490000.0, 3668550.0,      238.1,
421.0,      0.0);
      ( 490050.0, 3668550.0,      246.0,      387.0,
0.0);      ( 490100.0, 3668550.0,      252.2,
269.0,      0.0);
      ( 490150.0, 3668550.0,      257.2,      269.0,
0.0);      ( 490200.0, 3668550.0,      258.7,
269.0,      0.0);

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Villages Escondido Construction PM

(490250.0, 3668550.0,	256.5,	269.0,
0.0);	(490300.0, 3668550.0,	255.5,
269.0,	0.0);	
(490350.0, 3668550.0,	248.6,	269.0,
0.0);	(487900.0, 3668600.0,	214.1,
465.0,	0.0);	
(487950.0, 3668600.0,	213.5,	465.0,
0.0);	(488000.0, 3668600.0,	214.5,
465.0,	0.0);	
(488050.0, 3668600.0,	215.1,	465.0,
0.0);	(488100.0, 3668600.0,	215.1,
465.0,	0.0);	
(488150.0, 3668600.0,	215.1,	465.0,
0.0);	(488200.0, 3668600.0,	215.2,
465.0,	0.0);	
(488250.0, 3668600.0,	216.1,	465.0,
0.0);	(488300.0, 3668600.0,	217.1,
465.0,	0.0);	
(488350.0, 3668600.0,	217.1,	465.0,
0.0);	(488400.0, 3668600.0,	217.1,
465.0,	0.0);	
(488450.0, 3668600.0,	217.1,	465.0,
0.0);	(488500.0, 3668600.0,	218.1,
465.0,	0.0);	
(488550.0, 3668600.0,	218.1,	465.0,
0.0);	(488600.0, 3668600.0,	219.0,
465.0,	0.0);	
(488650.0, 3668600.0,	219.1,	465.0,
0.0);	(488700.0, 3668600.0,	219.1,
465.0,	0.0);	
(488750.0, 3668600.0,	219.1,	465.0,
0.0);	(488800.0, 3668600.0,	219.0,
465.0,	0.0);	
(488850.0, 3668600.0,	219.9,	463.0,
0.0);	(488900.0, 3668600.0,	220.1,

Villages Escondido Construction PM

```

463.0,      0.0);
      ( 488950.0, 3668600.0,      220.2,      463.0,
0.0);      ( 489000.0, 3668600.0,      221.7,
463.0,      0.0);
      ( 489050.0, 3668600.0,      223.4,      463.0,
0.0);      ( 489100.0, 3668600.0,      225.0,
463.0,      0.0);
      ( 489150.0, 3668600.0,      225.1,      463.0,
0.0);      ( 489200.0, 3668600.0,      228.2,
444.0,      0.0);
      ( 489250.0, 3668600.0,      231.2,      444.0,
0.0);      ( 489300.0, 3668600.0,      231.4,
444.0,      0.0);
      ( 489350.0, 3668600.0,      229.6,      444.0,
0.0);      ( 489400.0, 3668600.0,      227.0,
444.0,      0.0);
      ( 489450.0, 3668600.0,      225.3,      444.0,
0.0);      ( 489500.0, 3668600.0,      225.1,
444.0,      0.0);
      ( 489550.0, 3668600.0,      226.2,      444.0,
0.0);      ( 489600.0, 3668600.0,      227.7,
444.0,      0.0);
      ( 489650.0, 3668600.0,      228.0,      444.0,
0.0);      ( 489700.0, 3668600.0,      229.0,
422.0,      0.0);
      ( 489750.0, 3668600.0,      229.1,      422.0,
0.0);      ( 489800.0, 3668600.0,      230.4,
422.0,      0.0);

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*** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
 View\Villages Escondido Construction PM\Villages Esc ***
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*** AERMET - VERSION 15181 *** ***

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Villages Escondido Construction PM

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

DISCRETE CARTESIAN RECEPTORS ***

(X-COORD,

Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

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0.0); (489900.0, 3668600.0, 233.6,
421.0, 0.0);
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0.0); (490000.0, 3668600.0, 236.9,
421.0, 0.0);
(490050.0, 3668600.0, 239.6, 421.0,
0.0); (490100.0, 3668600.0, 242.7,
387.0, 0.0);
(490150.0, 3668600.0, 244.3, 387.0,
0.0); (490200.0, 3668600.0, 245.7,
387.0, 0.0);
(490250.0, 3668600.0, 248.5, 269.0,
0.0); (490300.0, 3668600.0, 251.9,
269.0, 0.0);
(490350.0, 3668600.0, 250.0, 269.0,
0.0); (487900.0, 3668650.0, 216.6,
465.0, 0.0);
(487950.0, 3668650.0, 216.6, 465.0,
0.0); (488000.0, 3668650.0, 216.7,
465.0, 0.0);
(488050.0, 3668650.0, 216.8, 465.0,
0.0); (488100.0, 3668650.0, 216.8,

Villages Escondido Construction PM

```

465.0,      0.0);
    ( 488150.0, 3668650.0,      216.8,      465.0,
0.0);      ( 488200.0, 3668650.0,      216.8,
465.0,      0.0);
    ( 488250.0, 3668650.0,      217.5,      465.0,
0.0);      ( 488300.0, 3668650.0,      218.3,
465.0,      0.0);
    ( 488350.0, 3668650.0,      218.8,      465.0,
0.0);      ( 488400.0, 3668650.0,      218.0,
465.0,      0.0);
    ( 488450.0, 3668650.0,      218.3,      465.0,
0.0);      ( 488500.0, 3668650.0,      219.0,
465.0,      0.0);
    ( 488550.0, 3668650.0,      219.8,      465.0,
0.0);      ( 488600.0, 3668650.0,      219.8,
465.0,      0.0);
    ( 488650.0, 3668650.0,      220.0,      465.0,
0.0);      ( 488700.0, 3668650.0,      220.6,
465.0,      0.0);
    ( 488750.0, 3668650.0,      219.9,      465.0,
0.0);      ( 488800.0, 3668650.0,      219.0,
465.0,      0.0);
    ( 488850.0, 3668650.0,      219.8,      465.0,
0.0);      ( 488900.0, 3668650.0,      220.4,
465.0,      0.0);
    ( 488950.0, 3668650.0,      221.8,      463.0,
0.0);      ( 489000.0, 3668650.0,      222.0,
463.0,      0.0);
    ( 489050.0, 3668650.0,      223.4,      463.0,
0.0);      ( 489100.0, 3668650.0,      225.0,
463.0,      0.0);
    ( 489150.0, 3668650.0,      226.5,      463.0,
0.0);      ( 489200.0, 3668650.0,      230.4,
463.0,      0.0);
    ( 489250.0, 3668650.0,      232.8,      444.0,

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Villages Escondido Construction PM

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0.0);          ( 489300.0, 3668650.0,      232.2,
444.0,          0.0);
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444.0,          0.0);
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0.0);          ( 489500.0, 3668650.0,      225.9,
444.0,          0.0);
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0.0);          ( 489600.0, 3668650.0,      227.7,
444.0,          0.0);
      ( 489650.0, 3668650.0,      228.0,      444.0,
0.0);          ( 489700.0, 3668650.0,      229.0,
444.0,          0.0);
      ( 489750.0, 3668650.0,      229.7,      422.0,
0.0);          ( 489800.0, 3668650.0,      230.4,
422.0,          0.0);
      ( 489850.0, 3668650.0,      231.0,      422.0,
0.0);          ( 489900.0, 3668650.0,      232.1,
422.0,          0.0);
      ( 489950.0, 3668650.0,      232.7,      421.0,
0.0);          ( 490000.0, 3668650.0,      234.4,
421.0,          0.0);
      ( 490050.0, 3668650.0,      235.9,      421.0,
0.0);          ( 490100.0, 3668650.0,      236.9,
421.0,          0.0);
      ( 490150.0, 3668650.0,      238.4,      421.0,
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387.0,          0.0);
      ( 490250.0, 3668650.0,      241.5,      387.0,
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348.0,          0.0);
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465.0,          0.0);

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Villages Escondido Construction PM

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465.0,      0.0);
( 488050.0, 3668700.0,      218.0,      465.0,
0.0);      ( 488100.0, 3668700.0,      218.3,
465.0,      0.0);
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0.0);      ( 488200.0, 3668700.0,      218.5,
465.0,      0.0);
( 488250.0, 3668700.0,      218.5,      465.0,
0.0);      ( 488300.0, 3668700.0,      219.7,
465.0,      0.0);
( 488350.0, 3668700.0,      220.0,      465.0,
0.0);      ( 488400.0, 3668700.0,      219.5,
465.0,      0.0);
( 488450.0, 3668700.0,      219.5,      465.0,
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465.0,      0.0);
( 488550.0, 3668700.0,      220.8,      465.0,
0.0);      ( 488600.0, 3668700.0,      221.5,
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0.0);      ( 488700.0, 3668700.0,      221.5,
465.0,      0.0);
( 488750.0, 3668700.0,      221.3,      465.0,
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465.0,      0.0);
( 488850.0, 3668700.0,      221.2,      465.0,
0.0);      ( 488900.0, 3668700.0,      221.7,
465.0,      0.0);
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0.0);      ( 489000.0, 3668700.0,      222.8,
463.0,      0.0);
( 489050.0, 3668700.0,      223.7,      463.0,
0.0);      ( 489100.0, 3668700.0,      224.5,

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Villages Escondido Construction PM

463.0, 0.0);
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0.0); (489200.0, 3668700.0, 227.8,
463.0, 0.0);
(489250.0, 3668700.0, 227.6, 463.0,
0.0); (489300.0, 3668700.0, 227.3,
463.0, 0.0);

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
View\Villages Escondido Construction PM\Villages Esc ***
05/09/17

*** AERMET - VERSION 15181 *** ***

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PAGE 21

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

DISCRETE CARTESIAN RECEPTORS ***

(X-COORD,

Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

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(489450.0, 3668700.0, 225.0, 463.0,
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444.0, 0.0);
(489550.0, 3668700.0, 228.0, 444.0,
0.0); (489600.0, 3668700.0, 228.5,
444.0, 0.0);

Villages Escondido Construction PM

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444.0,	0.0);	
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0.0);	(489800.0, 3668700.0,	231.0,
444.0,	0.0);	
(489850.0, 3668700.0,	231.5,	422.0,
0.0);	(489900.0, 3668700.0,	232.2,
422.0,	0.0);	
(489950.0, 3668700.0,	232.5,	422.0,
0.0);	(490000.0, 3668700.0,	234.0,
421.0,	0.0);	
(490050.0, 3668700.0,	234.4,	421.0,
0.0);	(490100.0, 3668700.0,	235.4,
421.0,	0.0);	
(490150.0, 3668700.0,	237.1,	421.0,
0.0);	(490200.0, 3668700.0,	237.9,
421.0,	0.0);	
(490250.0, 3668700.0,	238.3,	421.0,
0.0);	(490300.0, 3668700.0,	237.1,
387.0,	0.0);	
(490350.0, 3668700.0,	239.3,	387.0,
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0.0);	(488000.0, 3668750.0,	219.8,
465.0,	0.0);	
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0.0);	(488100.0, 3668750.0,	219.8,
465.0,	0.0);	
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0.0);	(488200.0, 3668750.0,	220.3,
465.0,	0.0);	
(488250.0, 3668750.0,	220.3,	465.0,
0.0);	(488300.0, 3668750.0,	221.1,

Villages Escondido Construction PM

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465.0,      0.0);
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465.0,      0.0);
    ( 488650.0, 3668750.0,      223.1,      465.0,
0.0);      ( 488700.0, 3668750.0,      223.9,
465.0,      0.0);
    ( 488750.0, 3668750.0,      223.7,      465.0,
0.0);      ( 488800.0, 3668750.0,      223.1,
465.0,      0.0);
    ( 488850.0, 3668750.0,      222.1,      465.0,
0.0);      ( 488900.0, 3668750.0,      223.0,
465.0,      0.0);
    ( 488950.0, 3668750.0,      223.1,      465.0,
0.0);      ( 489000.0, 3668750.0,      223.1,
465.0,      0.0);
    ( 489050.0, 3668750.0,      224.0,      463.0,
0.0);      ( 489100.0, 3668750.0,      224.1,
463.0,      0.0);
    ( 489150.0, 3668750.0,      224.7,      463.0,
0.0);      ( 489200.0, 3668750.0,      225.1,
463.0,      0.0);
    ( 489250.0, 3668750.0,      225.0,      463.0,
0.0);      ( 489300.0, 3668750.0,      225.0,
463.0,      0.0);
    ( 489350.0, 3668750.0,      225.4,      463.0,
0.0);      ( 489400.0, 3668750.0,      226.0,
463.0,      0.0);
    ( 489450.0, 3668750.0,      226.3,      463.0,

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Villages Escondido Construction PM

```

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463.0,          0.0);
      ( 489550.0, 3668750.0,      230.3,      444.0,
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444.0,          0.0);
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0.0);          ( 489700.0, 3668750.0,      231.1,
444.0,          0.0);
      ( 489750.0, 3668750.0,      231.1,      444.0,
0.0);          ( 489800.0, 3668750.0,      231.5,
444.0,          0.0);
      ( 489850.0, 3668750.0,      232.3,      444.0,
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422.0,          0.0);
      ( 489950.0, 3668750.0,      234.1,      422.0,
0.0);          ( 490000.0, 3668750.0,      234.3,
422.0,          0.0);
      ( 490050.0, 3668750.0,      234.7,      421.0,
0.0);          ( 490100.0, 3668750.0,      235.4,
421.0,          0.0);
      ( 490150.0, 3668750.0,      236.0,      421.0,
0.0);          ( 490200.0, 3668750.0,      236.0,
421.0,          0.0);
      ( 490250.0, 3668750.0,      236.6,      421.0,
0.0);          ( 490300.0, 3668750.0,      236.0,
421.0,          0.0);
      ( 490350.0, 3668750.0,      236.0,      421.0,
0.0);          ( 487900.0, 3668800.0,      223.6,
465.0,          0.0);
      ( 487950.0, 3668800.0,      223.6,      465.0,
0.0);          ( 488000.0, 3668800.0,      222.0,
465.0,          0.0);
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465.0,          0.0);

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Villages Escondido Construction PM

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0.0); ( 488400.0, 3668800.0, 223.8,
465.0, 0.0);
( 488450.0, 3668800.0, 224.3, 465.0,
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465.0, 0.0);
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465.0, 0.0);
( 488750.0, 3668800.0, 224.8, 465.0,
0.0); ( 488800.0, 3668800.0, 224.0,
465.0, 0.0);

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 05/09/17

*** AERMET - VERSION 15181 *** ***

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PAGE 22

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
 RURAL

DISCRETE CARTESIAN RECEPTORS ***

Villages Escondido Construction PM

(X-COORD,

Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

```

( 488850.0, 3668800.0, 223.8, 465.0,
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465.0, 0.0);
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0.0); ( 489000.0, 3668800.0, 224.0,
465.0, 0.0);
( 489050.0, 3668800.0, 224.3, 465.0,
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465.0, 0.0);
( 489150.0, 3668800.0, 225.8, 463.0,
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463.0, 0.0);
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( 489350.0, 3668800.0, 225.4, 463.0,
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463.0, 0.0);
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444.0, 0.0);
( 489550.0, 3668800.0, 236.1, 444.0,
0.0); ( 489600.0, 3668800.0, 238.1,
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444.0, 0.0);

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Villages Escondido Construction PM

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422.0,      0.0);
( 490050.0, 3668800.0,      236.6,      422.0,
0.0);      ( 490100.0, 3668800.0,      236.7,
421.0,      0.0);
( 490150.0, 3668800.0,      236.8,      421.0,
0.0);      ( 490200.0, 3668800.0,      236.6,
421.0,      0.0);
( 490250.0, 3668800.0,      236.0,      421.0,
0.0);      ( 490300.0, 3668800.0,      236.0,
421.0,      0.0);
( 490350.0, 3668800.0,      236.0,      421.0,
0.0);      ( 487900.0, 3668850.0,      225.5,
465.0,      0.0);
( 487950.0, 3668850.0,      225.8,      465.0,
0.0);      ( 488000.0, 3668850.0,      225.8,
465.0,      0.0);
( 488050.0, 3668850.0,      222.0,      465.0,
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465.0,      0.0);
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465.0,      0.0);
( 488250.0, 3668850.0,      225.1,      465.0,
0.0);      ( 488300.0, 3668850.0,      225.1,
465.0,      0.0);
( 488350.0, 3668850.0,      225.0,      465.0,
0.0);      ( 488400.0, 3668850.0,      225.8,
465.0,      0.0);
( 488450.0, 3668850.0,      225.8,      465.0,
0.0);      ( 488500.0, 3668850.0,      225.5,

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Villages Escondido Construction PM

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465.0,	0.0);		
(488650.0,	3668850.0,	225.0,	465.0,
0.0);	(488700.0,	3668850.0,	226.7,
465.0,	0.0);		
(488750.0,	3668850.0,	226.5,	465.0,
0.0);	(488800.0,	3668850.0,	225.5,
465.0,	0.0);		
(488850.0,	3668850.0,	225.2,	465.0,
0.0);	(488900.0,	3668850.0,	225.0,
465.0,	0.0);		
(488950.0,	3668850.0,	225.5,	465.0,
0.0);	(489000.0,	3668850.0,	225.5,
465.0,	0.0);		
(489050.0,	3668850.0,	225.5,	465.0,
0.0);	(489100.0,	3668850.0,	226.5,
465.0,	0.0);		
(489150.0,	3668850.0,	227.5,	463.0,
0.0);	(489200.0,	3668850.0,	228.0,
463.0,	0.0);		
(489250.0,	3668850.0,	228.0,	463.0,
0.0);	(489300.0,	3668850.0,	228.6,
463.0,	0.0);		
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0.0);	(489400.0,	3668850.0,	231.0,
463.0,	0.0);		
(489450.0,	3668850.0,	233.7,	463.0,
0.0);	(489500.0,	3668850.0,	240.3,
444.0,	0.0);		
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0.0);	(489600.0,	3668850.0,	242.9,
444.0,	0.0);		
(489650.0,	3668850.0,	234.6,	444.0,

Villages Escondido Construction PM

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0.0);          ( 489700.0, 3668850.0,      233.5,
444.0,          0.0);
      ( 489750.0, 3668850.0,      233.8,      444.0,
0.0);          ( 489800.0, 3668850.0,      235.2,
444.0,          0.0);
      ( 489850.0, 3668850.0,      237.5,      444.0,
0.0);          ( 489900.0, 3668850.0,      237.6,
444.0,          0.0);
      ( 489950.0, 3668850.0,      238.7,      422.0,
0.0);          ( 490000.0, 3668850.0,      241.5,
422.0,          0.0);
      ( 490050.0, 3668850.0,      243.3,      421.0,
0.0);          ( 490100.0, 3668850.0,      243.2,
421.0,          0.0);
      ( 490150.0, 3668850.0,      242.9,      421.0,
0.0);          ( 490200.0, 3668850.0,      240.6,
421.0,          0.0);
      ( 490250.0, 3668850.0,      236.8,      421.0,
0.0);          ( 490300.0, 3668850.0,      236.0,
421.0,          0.0);
      ( 490350.0, 3668850.0,      236.0,      421.0,
0.0);          ( 487900.0, 3668900.0,      228.3,
465.0,          0.0);
      ( 487950.0, 3668900.0,      227.6,      465.0,
0.0);          ( 488000.0, 3668900.0,      225.8,
465.0,          0.0);
      ( 488050.0, 3668900.0,      226.1,      465.0,
0.0);          ( 488100.0, 3668900.0,      226.2,
465.0,          0.0);
      ( 488150.0, 3668900.0,      227.4,      465.0,
0.0);          ( 488200.0, 3668900.0,      227.1,
465.0,          0.0);
      ( 488250.0, 3668900.0,      227.1,      465.0,
0.0);          ( 488300.0, 3668900.0,      227.1,
465.0,          0.0);

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Villages Escondido Construction PM

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
View\Villages Escondido Construction PM\Villages Esc ***
05/09/17

*** AERMET - VERSION 15181 *** ***

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PAGE 23

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

DISCRETE CARTESIAN RECEPTORS ***

(X-COORD,

Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

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465.0, 0.0);
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0.0); (488600.0, 3668900.0, 226.1,
465.0, 0.0);
(488650.0, 3668900.0, 226.1, 465.0,
0.0); (488700.0, 3668900.0, 227.0,
465.0, 0.0);
(488750.0, 3668900.0, 228.1, 465.0,
0.0); (488800.0, 3668900.0, 228.1,
465.0, 0.0);
(488850.0, 3668900.0, 227.1, 465.0,

Villages Escondido Construction PM

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465.0,	0.0);	
(488950.0, 3668900.0,	227.1,	465.0,
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465.0,	0.0);	
(489050.0, 3668900.0,	228.3,	465.0,
0.0);	(489100.0, 3668900.0,	229.1,
465.0,	0.0);	
(489150.0, 3668900.0,	229.9,	465.0,
0.0);	(489200.0, 3668900.0,	230.6,
463.0,	0.0);	
(489250.0, 3668900.0,	231.3,	463.0,
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463.0,	0.0);	
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463.0,	0.0);	
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0.0);	(489500.0, 3668900.0,	244.9,
444.0,	0.0);	
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0.0);	(489600.0, 3668900.0,	242.1,
444.0,	0.0);	
(489650.0, 3668900.0,	236.1,	444.0,
0.0);	(489700.0, 3668900.0,	235.1,
444.0,	0.0);	
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0.0);	(489800.0, 3668900.0,	235.4,
444.0,	0.0);	
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0.0);	(489900.0, 3668900.0,	237.8,
444.0,	0.0);	
(489950.0, 3668900.0,	237.9,	444.0,
0.0);	(490000.0, 3668900.0,	237.9,
422.0,	0.0);	

Villages Escondido Construction PM

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421.0,      0.0);
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465.0,      0.0);
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0.0);      ( 488100.0, 3668950.0,      228.7,
465.0,      0.0);
( 488150.0, 3668950.0,      228.8,      465.0,
0.0);      ( 488200.0, 3668950.0,      229.6,
465.0,      0.0);
( 488250.0, 3668950.0,      229.6,      465.0,
0.0);      ( 488300.0, 3668950.0,      229.6,
465.0,      0.0);
( 488350.0, 3668950.0,      229.6,      465.0,
0.0);      ( 488400.0, 3668950.0,      228.8,
465.0,      0.0);
( 488450.0, 3668950.0,      228.8,      465.0,
0.0);      ( 488500.0, 3668950.0,      228.0,
465.0,      0.0);
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0.0);      ( 488600.0, 3668950.0,      228.3,
465.0,      0.0);
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0.0);      ( 488700.0, 3668950.0,      229.8,

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Villages Escondido Construction PM

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 (489850.0, 3668950.0, 236.0, 444.0,

Villages Escondido Construction PM

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421.0, 0.0);
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0.0); (490300.0, 3668950.0, 239.4,
421.0, 0.0);

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
View\Villages Escondido Construction PM\Villages Esc ***
05/09/17

*** AERMET - VERSION 15181 *** ***

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PAGE 24

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

DISCRETE CARTESIAN RECEPTORS ***

(X-COORD,

Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

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0.0); (487900.0, 3669000.0, 235.4,

Villages Escondido Construction PM

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0.0);      ( 488000.0, 3669000.0,      231.5,
465.0,      0.0);
    ( 488050.0, 3669000.0,      230.5,      465.0,
0.0);      ( 488100.0, 3669000.0,      230.5,
465.0,      0.0);
    ( 488150.0, 3669000.0,      231.1,      465.0,
0.0);      ( 488200.0, 3669000.0,      231.5,
465.0,      0.0);
    ( 488250.0, 3669000.0,      231.8,      465.0,
0.0);      ( 488300.0, 3669000.0,      231.8,
465.0,      0.0);
    ( 488350.0, 3669000.0,      231.5,      465.0,
0.0);      ( 488400.0, 3669000.0,      230.6,
465.0,      0.0);
    ( 488450.0, 3669000.0,      229.8,      465.0,
0.0);      ( 488500.0, 3669000.0,      229.5,
465.0,      0.0);
    ( 488550.0, 3669000.0,      230.2,      465.0,
0.0);      ( 488600.0, 3669000.0,      230.7,
465.0,      0.0);
    ( 488650.0, 3669000.0,      231.5,      465.0,
0.0);      ( 488700.0, 3669000.0,      232.5,
465.0,      0.0);
    ( 488750.0, 3669000.0,      233.0,      465.0,
0.0);      ( 488800.0, 3669000.0,      232.4,
465.0,      0.0);
    ( 488850.0, 3669000.0,      232.0,      465.0,
0.0);      ( 488900.0, 3669000.0,      231.6,
465.0,      0.0);
    ( 488950.0, 3669000.0,      232.0,      465.0,
0.0);      ( 489000.0, 3669000.0,      234.0,
465.0,      0.0);
    ( 489050.0, 3669000.0,      235.4,      465.0,

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Villages Escondido Construction PM

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463.0,      0.0);
      ( 489250.0, 3669000.0,      239.5,      463.0,
0.0);      ( 489300.0, 3669000.0,      242.3,
463.0,      0.0);
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444.0,      0.0);
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0.0);      ( 489700.0, 3669000.0,      239.8,
444.0,      0.0);
      ( 489750.0, 3669000.0,      237.5,      444.0,
0.0);      ( 489800.0, 3669000.0,      235.8,
444.0,      0.0);
      ( 489850.0, 3669000.0,      235.0,      444.0,
0.0);      ( 489900.0, 3669000.0,      235.0,
444.0,      0.0);
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0.0);      ( 490000.0, 3669000.0,      237.1,
444.0,      0.0);
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0.0);      ( 490100.0, 3669000.0,      246.6,
422.0,      0.0);
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0.0);      ( 490200.0, 3669000.0,      249.7,
421.0,      0.0);

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Villages Escondido Construction PM

```

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421.0,      0.0);
( 490350.0, 3669000.0,      241.7,      421.0,
0.0);      ( 487900.0, 3669050.0,      241.6,
465.0,      0.0);
( 487950.0, 3669050.0,      235.9,      465.0,
0.0);      ( 488000.0, 3669050.0,      232.1,
465.0,      0.0);
( 488050.0, 3669050.0,      232.3,      465.0,
0.0);      ( 488100.0, 3669050.0,      233.3,
465.0,      0.0);
( 488150.0, 3669050.0,      234.3,      465.0,
0.0);      ( 488200.0, 3669050.0,      234.3,
465.0,      0.0);
( 488250.0, 3669050.0,      235.0,      465.0,
0.0);      ( 488300.0, 3669050.0,      234.9,
465.0,      0.0);
( 488350.0, 3669050.0,      233.3,      465.0,
0.0);      ( 488400.0, 3669050.0,      232.4,
465.0,      0.0);
( 488450.0, 3669050.0,      230.7,      465.0,
0.0);      ( 488500.0, 3669050.0,      231.1,
465.0,      0.0);
( 488550.0, 3669050.0,      231.7,      465.0,
0.0);      ( 488600.0, 3669050.0,      232.1,
465.0,      0.0);
( 488650.0, 3669050.0,      233.1,      465.0,
0.0);      ( 488700.0, 3669050.0,      234.6,
465.0,      0.0);
( 488750.0, 3669050.0,      236.7,      465.0,
0.0);      ( 488800.0, 3669050.0,      236.6,
465.0,      0.0);
( 488850.0, 3669050.0,      235.6,      465.0,
0.0);      ( 488900.0, 3669050.0,      235.1,

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Villages Escondido Construction PM

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465.0,      0.0);
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0.0);      ( 489100.0, 3669050.0,      239.4,
465.0,      0.0);
      ( 489150.0, 3669050.0,      239.5,      465.0,
0.0);      ( 489200.0, 3669050.0,      242.2,
463.0,      0.0);
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463.0,      0.0);
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444.0,      0.0);
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444.0,      0.0);
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0.0);      ( 489700.0, 3669050.0,      248.2,
444.0,      0.0);
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0.0);      ( 489800.0, 3669050.0,      237.5,
444.0,      0.0);

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*** AERMET - VERSION 15181 *** ***

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Villages Escondido Construction PM

PAGE 25

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

DISCRETE CARTESIAN RECEPTORS ***

(X-COORD,

Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

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444.0, 0.0);	
(489950.0, 3669050.0, 236.4, 444.0,	
0.0);	(490000.0, 3669050.0, 238.7,
444.0, 0.0);	
(490050.0, 3669050.0, 246.2, 444.0,	
0.0);	(490100.0, 3669050.0, 252.5,
421.0, 0.0);	
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421.0, 0.0);	
(490250.0, 3669050.0, 255.7, 421.0,	
0.0);	(490300.0, 3669050.0, 251.4,
421.0, 0.0);	
(490350.0, 3669050.0, 247.2, 421.0,	
0.0);	(487900.0, 3669100.0, 249.1,
465.0, 0.0);	
(487950.0, 3669100.0, 239.4, 465.0,	
0.0);	(488000.0, 3669100.0, 235.4,
465.0, 0.0);	
(488050.0, 3669100.0, 234.8, 465.0,	
0.0);	(488100.0, 3669100.0, 236.4,

Villages Escondido Construction PM

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465.0,      0.0);
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0.0);      ( 488300.0, 3669100.0,      238.3,
465.0,      0.0);
    ( 488350.0, 3669100.0,      235.8,      465.0,
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465.0,      0.0);
    ( 488450.0, 3669100.0,      231.5,      465.0,
0.0);      ( 488500.0, 3669100.0,      232.0,
465.0,      0.0);
    ( 488550.0, 3669100.0,      232.8,      465.0,
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465.0,      0.0);
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0.0);      ( 488700.0, 3669100.0,      235.7,
465.0,      0.0);
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465.0,      0.0);
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465.0,      0.0);
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465.0,      0.0);
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0.0);      ( 489100.0, 3669100.0,      243.6,
465.0,      0.0);
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463.0,      0.0);
    ( 489250.0, 3669100.0,      251.3,      463.0,

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Villages Escondido Construction PM

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444.0,      0.0);
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422.0,      0.0);
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444.0,      0.0);
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0.0);      ( 489700.0, 3669100.0,      263.2,
444.0,      0.0);
      ( 489750.0, 3669100.0,      256.3,      444.0,
0.0);      ( 489800.0, 3669100.0,      248.3,
444.0,      0.0);
      ( 489850.0, 3669100.0,      236.6,      463.0,
0.0);      ( 489900.0, 3669100.0,      235.6,
444.0,      0.0);
      ( 489950.0, 3669100.0,      237.2,      444.0,
0.0);      ( 490000.0, 3669100.0,      243.7,
444.0,      0.0);
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0.0);      ( 490100.0, 3669100.0,      258.6,
421.0,      0.0);
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421.0,      0.0);
      ( 490250.0, 3669100.0,      264.3,      421.0,
0.0);      ( 490300.0, 3669100.0,      256.3,
421.0,      0.0);
      ( 490350.0, 3669100.0,      249.8,      421.0,
0.0);      ( 487900.0, 3669150.0,      256.3,
465.0,      0.0);

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Villages Escondido Construction PM

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465.0,      0.0);
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0.0);      ( 488100.0, 3669150.0,      239.9,
465.0,      0.0);
( 488150.0, 3669150.0,      241.4,      465.0,
0.0);      ( 488200.0, 3669150.0,      241.9,
465.0,      0.0);
( 488250.0, 3669150.0,      242.1,      465.0,
0.0);      ( 488300.0, 3669150.0,      240.2,
465.0,      0.0);
( 488350.0, 3669150.0,      237.9,      465.0,
0.0);      ( 488400.0, 3669150.0,      236.1,
465.0,      0.0);
( 488450.0, 3669150.0,      233.1,      465.0,
0.0);      ( 488500.0, 3669150.0,      233.5,
465.0,      0.0);
( 488550.0, 3669150.0,      233.8,      465.0,
0.0);      ( 488600.0, 3669150.0,      234.5,
465.0,      0.0);
( 488650.0, 3669150.0,      235.0,      465.0,
0.0);      ( 488700.0, 3669150.0,      236.0,
465.0,      0.0);
( 488750.0, 3669150.0,      237.6,      465.0,
0.0);      ( 488800.0, 3669150.0,      249.9,
465.0,      0.0);
( 488850.0, 3669150.0,      246.5,      465.0,
0.0);      ( 488900.0, 3669150.0,      243.9,
465.0,      0.0);
( 488950.0, 3669150.0,      245.4,      465.0,
0.0);      ( 489000.0, 3669150.0,      247.1,
465.0,      0.0);
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0.0);      ( 489100.0, 3669150.0,      250.4,

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Villages Escondido Construction PM

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463.0, 0.0);

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
View\Villages Escondido Construction PM\Villages Esc ***
05/09/17

*** AERMET - VERSION 15181 *** ***

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

DISCRETE CARTESIAN RECEPTORS ***

(X-COORD,

Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

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444.0, 0.0);
(489550.0, 3669150.0, 269.1, 444.0,
0.0); (489600.0, 3669150.0, 264.7,
444.0, 0.0);

Villages Escondido Construction PM

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444.0,      0.0);
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0.0);      ( 489800.0, 3669150.0,      245.7,
444.0,      0.0);
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0.0);      ( 488300.0, 3669200.0,      243.4,

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Villages Escondido Construction PM

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Villages Escondido Construction PM

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0.0);          ( 488000.0, 3669250.0,      242.7,
488.0,          0.0);
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465.0,          0.0);

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Villages Escondido Construction PM

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488.0,      0.0);
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465.0,      0.0);
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▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
View\Villages Escondido Construction PM\Villages Esc ***
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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

DISCRETE CARTESIAN RECEPTORS ***

Villages Escondido Construction PM

(X-COORD,

Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

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Villages Escondido Construction PM

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Villages Escondido Construction PM

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463.0,      0.0);
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Villages Escondido Construction PM

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444.0,          0.0);
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422.0,          0.0);
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465.0,          0.0);
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Villages Escondido Construction PM

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

DISCRETE CARTESIAN RECEPTORS ***

(X-COORD,

Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

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Villages Escondido Construction PM

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465.0,          0.0);
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444.0,          0.0);

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Villages Escondido Construction PM

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465.0,	0.0);	
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465.0,	0.0);	
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488.0,	0.0);	
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488.0,	0.0);	
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488.0,	0.0);	
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Villages Escondido Construction PM

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465.0,      0.0);
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465.0,      0.0);
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Villages Escondido Construction PM

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421.0, 0.0);

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

DISCRETE CARTESIAN RECEPTORS ***

(X-COORD,

Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

(490350.0, 3669400.0, 271.5, 421.0,
0.0); (487900.0, 3669450.0, 260.3,

Villages Escondido Construction PM

488.0, 0.0);
 (487950.0, 3669450.0, 266.0, 488.0,
 0.0); (488000.0, 3669450.0, 268.5,
 465.0, 0.0);
 (488050.0, 3669450.0, 269.9, 465.0,
 0.0); (488100.0, 3669450.0, 276.5,
 465.0, 0.0);
 (488150.0, 3669450.0, 283.3, 465.0,
 0.0); (488200.0, 3669450.0, 275.8,
 465.0, 0.0);
 (488250.0, 3669450.0, 265.4, 465.0,
 0.0); (488300.0, 3669450.0, 254.9,
 488.0, 0.0);
 (488350.0, 3669450.0, 245.9, 488.0,
 0.0); (488400.0, 3669450.0, 241.2,
 488.0, 0.0);
 (488450.0, 3669450.0, 240.8, 488.0,
 0.0); (488500.0, 3669450.0, 241.5,
 488.0, 0.0);
 (488550.0, 3669450.0, 243.9, 488.0,
 0.0); (488600.0, 3669450.0, 246.2,
 488.0, 0.0);
 (488650.0, 3669450.0, 249.0, 488.0,
 0.0); (488700.0, 3669450.0, 249.6,
 488.0, 0.0);
 (488750.0, 3669450.0, 248.1, 488.0,
 0.0); (488800.0, 3669450.0, 247.5,
 488.0, 0.0);
 (488850.0, 3669450.0, 248.8, 465.0,
 0.0); (488900.0, 3669450.0, 249.3,
 465.0, 0.0);
 (488950.0, 3669450.0, 250.5, 465.0,
 0.0); (489000.0, 3669450.0, 253.2,
 465.0, 0.0);
 (489050.0, 3669450.0, 256.2, 465.0,

Villages Escondido Construction PM

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0.0);          ( 489100.0, 3669450.0,      258.5,
465.0,          0.0);
      ( 489150.0, 3669450.0,      263.9,      465.0,
0.0);          ( 489200.0, 3669450.0,      268.9,
465.0,          0.0);
      ( 489250.0, 3669450.0,      271.8,      463.0,
0.0);          ( 489300.0, 3669450.0,      276.1,
463.0,          0.0);
      ( 489350.0, 3669450.0,      278.0,      463.0,
0.0);          ( 489400.0, 3669450.0,      282.2,
463.0,          0.0);
      ( 489450.0, 3669450.0,      292.4,      444.0,
0.0);          ( 489500.0, 3669450.0,      297.1,
444.0,          0.0);
      ( 489550.0, 3669450.0,      295.8,      444.0,
0.0);          ( 489600.0, 3669450.0,      288.1,
444.0,          0.0);
      ( 489650.0, 3669450.0,      294.8,      444.0,
0.0);          ( 489700.0, 3669450.0,      297.3,
444.0,          0.0);
      ( 489750.0, 3669450.0,      292.7,      444.0,
0.0);          ( 489800.0, 3669450.0,      281.3,
444.0,          0.0);
      ( 489850.0, 3669450.0,      265.7,      444.0,
0.0);          ( 489900.0, 3669450.0,      253.1,
463.0,          0.0);
      ( 489950.0, 3669450.0,      250.4,      463.0,
0.0);          ( 490000.0, 3669450.0,      253.6,
444.0,          0.0);
      ( 490050.0, 3669450.0,      261.9,      444.0,
0.0);          ( 490100.0, 3669450.0,      272.7,
422.0,          0.0);
      ( 490150.0, 3669450.0,      271.4,      421.0,
0.0);          ( 490200.0, 3669450.0,      274.4,
421.0,          0.0);

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Villages Escondido Construction PM

(490250.0, 3669450.0,	278.0,	421.0,
0.0);	(490300.0, 3669450.0,	283.3,
421.0,	0.0);	
(490350.0, 3669450.0,	282.8,	421.0,
0.0);	(487900.0, 3669500.0,	271.8,
488.0,	0.0);	
(487950.0, 3669500.0,	276.2,	465.0,
0.0);	(488000.0, 3669500.0,	280.5,
465.0,	0.0);	
(488050.0, 3669500.0,	287.1,	465.0,
0.0);	(488100.0, 3669500.0,	292.8,
465.0,	0.0);	
(488150.0, 3669500.0,	291.7,	465.0,
0.0);	(488200.0, 3669500.0,	278.9,
465.0,	0.0);	
(488250.0, 3669500.0,	266.1,	488.0,
0.0);	(488300.0, 3669500.0,	254.7,
488.0,	0.0);	
(488350.0, 3669500.0,	246.9,	488.0,
0.0);	(488400.0, 3669500.0,	243.4,
488.0,	0.0);	
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0.0);	(488500.0, 3669500.0,	243.3,
488.0,	0.0);	
(488550.0, 3669500.0,	245.7,	488.0,
0.0);	(488600.0, 3669500.0,	248.9,
488.0,	0.0);	
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0.0);	(488700.0, 3669500.0,	252.8,
488.0,	0.0);	
(488750.0, 3669500.0,	251.0,	488.0,
0.0);	(488800.0, 3669500.0,	249.2,
488.0,	0.0);	
(488850.0, 3669500.0,	252.4,	488.0,
0.0);	(488900.0, 3669500.0,	254.9,

Villages Escondido Construction PM

```

465.0,      0.0);
      ( 488950.0, 3669500.0,      256.4,      465.0,
0.0);      ( 489000.0, 3669500.0,      260.3,
465.0,      0.0);
      ( 489050.0, 3669500.0,      263.3,      465.0,
0.0);      ( 489100.0, 3669500.0,      261.9,
465.0,      0.0);
      ( 489150.0, 3669500.0,      268.5,      465.0,
0.0);      ( 489200.0, 3669500.0,      277.7,
463.0,      0.0);
      ( 489250.0, 3669500.0,      286.1,      463.0,
0.0);      ( 489300.0, 3669500.0,      284.0,
463.0,      0.0);
      ( 489350.0, 3669500.0,      280.0,      463.0,
0.0);      ( 489400.0, 3669500.0,      280.5,
463.0,      0.0);
      ( 489450.0, 3669500.0,      287.7,      463.0,
0.0);      ( 489500.0, 3669500.0,      299.6,
444.0,      0.0);
      ( 489550.0, 3669500.0,      298.3,      444.0,
0.0);      ( 489600.0, 3669500.0,      297.6,
444.0,      0.0);
      ( 489650.0, 3669500.0,      301.1,      444.0,
0.0);      ( 489700.0, 3669500.0,      299.3,
444.0,      0.0);
      ( 489750.0, 3669500.0,      290.8,      444.0,
0.0);      ( 489800.0, 3669500.0,      281.7,
444.0,      0.0);

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*** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
 View\Villages Escondido Construction PM\Villages Esc ***
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*** AERMET - VERSION 15181 *** ***

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Villages Escondido Construction PM

PAGE 30

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

DISCRETE CARTESIAN RECEPTORS ***

(X-COORD,

Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

(489850.0, 3669500.0, 267.5,	444.0,
0.0);	(489900.0, 3669500.0, 256.6,
463.0,	0.0);
(489950.0, 3669500.0, 255.2,	463.0,
0.0);	(490000.0, 3669500.0, 257.1,
444.0,	0.0);
(490050.0, 3669500.0, 262.2,	444.0,
0.0);	(490100.0, 3669500.0, 271.7,
444.0,	0.0);
(490150.0, 3669500.0, 274.3,	421.0,
0.0);	(490200.0, 3669500.0, 283.6,
421.0,	0.0);
(490250.0, 3669500.0, 290.8,	421.0,
0.0);	(490300.0, 3669500.0, 293.0,
387.0,	0.0);
(490350.0, 3669500.0, 293.3,	387.0,
0.0);	(487900.0, 3669550.0, 285.1,
465.0,	0.0);
(487950.0, 3669550.0, 294.1,	465.0,
0.0);	(488000.0, 3669550.0, 303.3,
465.0,	0.0);
(488050.0, 3669550.0, 311.2,	465.0,
0.0);	(488100.0, 3669550.0, 308.9,

Villages Escondido Construction PM

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465.0,      0.0);
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0.0);      ( 488200.0, 3669550.0,      277.3,
465.0,      0.0);
    ( 488250.0, 3669550.0,      263.9,      488.0,
0.0);      ( 488300.0, 3669550.0,      253.1,
488.0,      0.0);
    ( 488350.0, 3669550.0,      247.0,      488.0,
0.0);      ( 488400.0, 3669550.0,      244.4,
488.0,      0.0);
    ( 488450.0, 3669550.0,      245.2,      488.0,
0.0);      ( 488500.0, 3669550.0,      247.4,
488.0,      0.0);
    ( 488550.0, 3669550.0,      248.4,      488.0,
0.0);      ( 488600.0, 3669550.0,      250.5,
488.0,      0.0);
    ( 488650.0, 3669550.0,      255.7,      488.0,
0.0);      ( 488700.0, 3669550.0,      258.4,
488.0,      0.0);
    ( 488750.0, 3669550.0,      255.7,      488.0,
0.0);      ( 488800.0, 3669550.0,      253.2,
488.0,      0.0);
    ( 488850.0, 3669550.0,      251.1,      488.0,
0.0);      ( 488900.0, 3669550.0,      258.1,
465.0,      0.0);
    ( 488950.0, 3669550.0,      261.5,      465.0,
0.0);      ( 489000.0, 3669550.0,      266.8,
465.0,      0.0);
    ( 489050.0, 3669550.0,      269.9,      465.0,
0.0);      ( 489100.0, 3669550.0,      271.9,
465.0,      0.0);
    ( 489150.0, 3669550.0,      272.3,      465.0,
0.0);      ( 489200.0, 3669550.0,      281.9,
463.0,      0.0);
    ( 489250.0, 3669550.0,      297.9,      463.0,

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Villages Escondido Construction PM

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0.0);          ( 489300.0, 3669550.0,      295.4,
463.0,          0.0);
      ( 489350.0, 3669550.0,      285.6,      463.0,
0.0);          ( 489400.0, 3669550.0,      286.4,
463.0,          0.0);
      ( 489450.0, 3669550.0,      296.3,      463.0,
0.0);          ( 489500.0, 3669550.0,      304.0,
444.0,          0.0);
      ( 489550.0, 3669550.0,      307.4,      444.0,
0.0);          ( 489600.0, 3669550.0,      304.4,
444.0,          0.0);
      ( 489650.0, 3669550.0,      303.4,      444.0,
0.0);          ( 489700.0, 3669550.0,      295.9,
444.0,          0.0);
      ( 489750.0, 3669550.0,      290.6,      444.0,
0.0);          ( 489800.0, 3669550.0,      283.9,
444.0,          0.0);
      ( 489850.0, 3669550.0,      274.3,      444.0,
0.0);          ( 489900.0, 3669550.0,      262.6,
463.0,          0.0);
      ( 489950.0, 3669550.0,      258.0,      463.0,
0.0);          ( 490000.0, 3669550.0,      256.3,
463.0,          0.0);
      ( 490050.0, 3669550.0,      263.1,      444.0,
0.0);          ( 490100.0, 3669550.0,      270.6,
444.0,          0.0);
      ( 490150.0, 3669550.0,      276.8,      421.0,
0.0);          ( 490200.0, 3669550.0,      280.0,
421.0,          0.0);
      ( 490250.0, 3669550.0,      295.8,      421.0,
0.0);          ( 490300.0, 3669550.0,      311.9,
348.0,          0.0);
      ( 490350.0, 3669550.0,      311.8,      348.0,
0.0);          ( 487900.0, 3669600.0,      300.8,
465.0,          0.0);

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Villages Escondido Construction PM

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( 487950.0, 3669600.0,      314.6,      465.0,
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465.0,      0.0);
( 488050.0, 3669600.0,      326.7,      465.0,
0.0);      ( 488100.0, 3669600.0,      314.3,
465.0,      0.0);
( 488150.0, 3669600.0,      294.2,      465.0,
0.0);      ( 488200.0, 3669600.0,      276.3,
488.0,      0.0);
( 488250.0, 3669600.0,      263.5,      488.0,
0.0);      ( 488300.0, 3669600.0,      253.9,
488.0,      0.0);
( 488350.0, 3669600.0,      248.4,      488.0,
0.0);      ( 488400.0, 3669600.0,      246.6,
488.0,      0.0);
( 488450.0, 3669600.0,      248.4,      488.0,
0.0);      ( 488500.0, 3669600.0,      252.4,
488.0,      0.0);
( 488550.0, 3669600.0,      253.1,      488.0,
0.0);      ( 488600.0, 3669600.0,      254.8,
488.0,      0.0);
( 488650.0, 3669600.0,      259.0,      488.0,
0.0);      ( 488700.0, 3669600.0,      265.4,
488.0,      0.0);
( 488750.0, 3669600.0,      263.6,      488.0,
0.0);      ( 488800.0, 3669600.0,      259.9,
488.0,      0.0);
( 488850.0, 3669600.0,      258.3,      488.0,
0.0);      ( 488900.0, 3669600.0,      256.3,
488.0,      0.0);
( 488950.0, 3669600.0,      264.2,      465.0,
0.0);      ( 489000.0, 3669600.0,      278.2,
465.0,      0.0);
( 489050.0, 3669600.0,      285.4,      465.0,
0.0);      ( 489100.0, 3669600.0,      287.2,

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Villages Escondido Construction PM

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0.0); (489200.0, 3669600.0, 282.4,
465.0, 0.0);
(489250.0, 3669600.0, 295.7, 463.0,
0.0); (489300.0, 3669600.0, 303.9,
463.0, 0.0);

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
View\Villages Escondido Construction PM\Villages Esc ***
05/09/17

*** AERMET - VERSION 15181 *** ***

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PAGE 31

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

DISCRETE CARTESIAN RECEPTORS ***

(X-COORD,

Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

(489350.0, 3669600.0, 304.2, 463.0,
0.0); (489400.0, 3669600.0, 305.7,
444.0, 0.0);
(489450.0, 3669600.0, 315.3, 444.0,
0.0); (489500.0, 3669600.0, 326.8,
422.0, 0.0);
(489550.0, 3669600.0, 325.1, 422.0,
0.0); (489600.0, 3669600.0, 311.8,
444.0, 0.0);

Villages Escondido Construction PM

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0.0);      ( 489700.0, 3669600.0,      307.7,
444.0,      0.0);
( 489750.0, 3669600.0,      300.6,      444.0,
0.0);      ( 489800.0, 3669600.0,      288.7,
444.0,      0.0);
( 489850.0, 3669600.0,      272.5,      444.0,
0.0);      ( 489900.0, 3669600.0,      264.0,
463.0,      0.0);
( 489950.0, 3669600.0,      261.8,      463.0,
0.0);      ( 490000.0, 3669600.0,      261.0,
444.0,      0.0);
( 490050.0, 3669600.0,      262.9,      444.0,
0.0);      ( 490100.0, 3669600.0,      269.5,
444.0,      0.0);
( 490150.0, 3669600.0,      276.1,      444.0,
0.0);      ( 490200.0, 3669600.0,      280.2,
421.0,      0.0);
( 490250.0, 3669600.0,      289.1,      421.0,
0.0);      ( 490300.0, 3669600.0,      311.4,
348.0,      0.0);
( 490350.0, 3669600.0,      327.1,      348.0,
0.0);      ( 487900.0, 3669650.0,      319.7,
465.0,      0.0);
( 487950.0, 3669650.0,      336.7,      465.0,
0.0);      ( 488000.0, 3669650.0,      343.7,
460.0,      0.0);
( 488050.0, 3669650.0,      330.6,      465.0,
0.0);      ( 488100.0, 3669650.0,      310.4,
465.0,      0.0);
( 488150.0, 3669650.0,      291.9,      465.0,
0.0);      ( 488200.0, 3669650.0,      275.5,
488.0,      0.0);
( 488250.0, 3669650.0,      263.8,      488.0,
0.0);      ( 488300.0, 3669650.0,      254.6,

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Villages Escondido Construction PM

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488.0,      0.0);
    ( 488350.0, 3669650.0,      249.0,      488.0,
0.0);      ( 488400.0, 3669650.0,      248.0,
488.0,      0.0);
    ( 488450.0, 3669650.0,      251.1,      488.0,
0.0);      ( 488500.0, 3669650.0,      257.8,
488.0,      0.0);
    ( 488550.0, 3669650.0,      260.8,      488.0,
0.0);      ( 488600.0, 3669650.0,      261.5,
488.0,      0.0);
    ( 488650.0, 3669650.0,      263.0,      488.0,
0.0);      ( 488700.0, 3669650.0,      273.0,
465.0,      0.0);
    ( 488750.0, 3669650.0,      274.9,      465.0,
0.0);      ( 488800.0, 3669650.0,      271.2,
465.0,      0.0);
    ( 488850.0, 3669650.0,      267.3,      465.0,
0.0);      ( 488900.0, 3669650.0,      263.8,
488.0,      0.0);
    ( 488950.0, 3669650.0,      260.4,      488.0,
0.0);      ( 489000.0, 3669650.0,      274.9,
465.0,      0.0);
    ( 489050.0, 3669650.0,      290.8,      465.0,
0.0);      ( 489100.0, 3669650.0,      306.0,
463.0,      0.0);
    ( 489150.0, 3669650.0,      307.4,      463.0,
0.0);      ( 489200.0, 3669650.0,      299.2,
463.0,      0.0);
    ( 489250.0, 3669650.0,      299.8,      463.0,
0.0);      ( 489300.0, 3669650.0,      315.3,
444.0,      0.0);
    ( 489350.0, 3669650.0,      320.0,      444.0,
0.0);      ( 489400.0, 3669650.0,      328.2,
444.0,      0.0);
    ( 489450.0, 3669650.0,      334.6,      422.0,

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Villages Escondido Construction PM

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0.0);          ( 489500.0, 3669650.0,      348.1,
421.0,          0.0);
      ( 489550.0, 3669650.0,      344.4,      421.0,
0.0);          ( 489600.0, 3669650.0,      328.5,
421.0,          0.0);
      ( 489650.0, 3669650.0,      318.9,      422.0,
0.0);          ( 489700.0, 3669650.0,      316.0,
422.0,          0.0);
      ( 489750.0, 3669650.0,      301.6,      444.0,
0.0);          ( 489800.0, 3669650.0,      286.7,
444.0,          0.0);
      ( 489850.0, 3669650.0,      276.9,      444.0,
0.0);          ( 489900.0, 3669650.0,      269.7,
463.0,          0.0);
      ( 489950.0, 3669650.0,      266.7,      463.0,
0.0);          ( 490000.0, 3669650.0,      264.3,
444.0,          0.0);
      ( 490050.0, 3669650.0,      263.3,      444.0,
0.0);          ( 490100.0, 3669650.0,      267.5,
444.0,          0.0);
      ( 490150.0, 3669650.0,      274.6,      444.0,
0.0);          ( 490200.0, 3669650.0,      279.2,
421.0,          0.0);
      ( 490250.0, 3669650.0,      290.0,      421.0,
0.0);          ( 490300.0, 3669650.0,      301.6,
387.0,          0.0);
      ( 490350.0, 3669650.0,      313.7,      348.0,
0.0);          ( 487900.0, 3669700.0,      337.9,
465.0,          0.0);
      ( 487950.0, 3669700.0,      351.1,      460.0,
0.0);          ( 488000.0, 3669700.0,      349.9,
460.0,          0.0);
      ( 488050.0, 3669700.0,      327.1,      465.0,
0.0);          ( 488100.0, 3669700.0,      301.6,
465.0,          0.0);

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Villages Escondido Construction PM

```
( 488150.0, 3669700.0,      281.4,      488.0,
0.0);      ( 488200.0, 3669700.0,      270.5,
488.0,      0.0);
( 488250.0, 3669700.0,      261.9,      488.0,
0.0);      ( 488300.0, 3669700.0,      254.1,
488.0,      0.0);
( 488350.0, 3669700.0,      249.8,      488.0,
0.0);      ( 488400.0, 3669700.0,      248.6,
488.0,      0.0);
( 488450.0, 3669700.0,      251.7,      488.0,
0.0);      ( 488500.0, 3669700.0,      259.7,
488.0,      0.0);
( 488550.0, 3669700.0,      267.5,      488.0,
0.0);      ( 488600.0, 3669700.0,      273.2,
488.0,      0.0);
( 488650.0, 3669700.0,      273.8,      488.0,
0.0);      ( 488700.0, 3669700.0,      284.1,
465.0,      0.0);
( 488750.0, 3669700.0,      295.4,      465.0,
0.0);      ( 488800.0, 3669700.0,      289.3,
465.0,      0.0);
```

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
View\Villages Escondido Construction PM\Villages Esc ***
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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

DISCRETE CARTESIAN RECEPTORS ***

Villages Escondido Construction PM

(X-COORD,

Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

```

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0.0); ( 488900.0, 3669700.0, 271.0,
465.0, 0.0);
( 488950.0, 3669700.0, 266.1, 465.0,
0.0); ( 489000.0, 3669700.0, 276.0,
465.0, 0.0);
( 489050.0, 3669700.0, 288.1, 465.0,
0.0); ( 489100.0, 3669700.0, 309.0,
463.0, 0.0);
( 489150.0, 3669700.0, 327.1, 463.0,
0.0); ( 489200.0, 3669700.0, 323.4,
463.0, 0.0);
( 489250.0, 3669700.0, 319.4, 463.0,
0.0); ( 489300.0, 3669700.0, 321.6,
444.0, 0.0);
( 489350.0, 3669700.0, 334.1, 444.0,
0.0); ( 489400.0, 3669700.0, 338.0,
422.0, 0.0);
( 489450.0, 3669700.0, 347.9, 421.0,
0.0); ( 489500.0, 3669700.0, 361.8,
421.0, 0.0);
( 489550.0, 3669700.0, 364.3, 387.0,
0.0); ( 489600.0, 3669700.0, 346.2,
421.0, 0.0);
( 489650.0, 3669700.0, 323.2, 422.0,
0.0); ( 489700.0, 3669700.0, 309.3,
444.0, 0.0);
( 489750.0, 3669700.0, 304.0, 444.0,
0.0); ( 489800.0, 3669700.0, 294.3,
444.0, 0.0);

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Villages Escondido Construction PM

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0.0);	(489900.0, 3669700.0,	277.2,
444.0,	0.0);	
(489950.0, 3669700.0,	272.1,	444.0,
0.0);	(490000.0, 3669700.0,	267.6,
444.0,	0.0);	
(490050.0, 3669700.0,	266.6,	444.0,
0.0);	(490100.0, 3669700.0,	267.1,
444.0,	0.0);	
(490150.0, 3669700.0,	269.6,	444.0,
0.0);	(490200.0, 3669700.0,	273.6,
444.0,	0.0);	
(490250.0, 3669700.0,	282.2,	421.0,
0.0);	(490300.0, 3669700.0,	288.4,
421.0,	0.0);	
(490350.0, 3669700.0,	297.9,	387.0,
0.0);	(487900.0, 3669750.0,	339.8,
465.0,	0.0);	
(487950.0, 3669750.0,	340.9,	465.0,
0.0);	(488000.0, 3669750.0,	337.3,
465.0,	0.0);	
(488050.0, 3669750.0,	325.0,	465.0,
0.0);	(488100.0, 3669750.0,	301.5,
465.0,	0.0);	
(488150.0, 3669750.0,	280.1,	488.0,
0.0);	(488200.0, 3669750.0,	267.9,
488.0,	0.0);	
(488250.0, 3669750.0,	260.0,	488.0,
0.0);	(488300.0, 3669750.0,	253.9,
488.0,	0.0);	
(488350.0, 3669750.0,	250.0,	488.0,
0.0);	(488400.0, 3669750.0,	251.8,
488.0,	0.0);	
(488450.0, 3669750.0,	252.5,	488.0,
0.0);	(488500.0, 3669750.0,	256.1,

Villages Escondido Construction PM

```

488.0,      0.0);
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0.0);      ( 488600.0, 3669750.0,      276.4,
488.0,      0.0);
    ( 488650.0, 3669750.0,      279.6,      488.0,
0.0);      ( 488700.0, 3669750.0,      294.1,
465.0,      0.0);
    ( 488750.0, 3669750.0,      314.7,      465.0,
0.0);      ( 488800.0, 3669750.0,      313.9,
465.0,      0.0);
    ( 488850.0, 3669750.0,      300.3,      465.0,
0.0);      ( 488900.0, 3669750.0,      288.2,
465.0,      0.0);
    ( 488950.0, 3669750.0,      273.3,      465.0,
0.0);      ( 489000.0, 3669750.0,      277.5,
465.0,      0.0);
    ( 489050.0, 3669750.0,      294.4,      465.0,
0.0);      ( 489100.0, 3669750.0,      312.9,
463.0,      0.0);
    ( 489150.0, 3669750.0,      339.6,      444.0,
0.0);      ( 489200.0, 3669750.0,      347.8,
444.0,      0.0);
    ( 489250.0, 3669750.0,      338.6,      444.0,
0.0);      ( 489300.0, 3669750.0,      328.8,
444.0,      0.0);
    ( 489350.0, 3669750.0,      335.3,      444.0,
0.0);      ( 489400.0, 3669750.0,      351.0,
421.0,      0.0);
    ( 489450.0, 3669750.0,      359.4,      421.0,
0.0);      ( 489500.0, 3669750.0,      367.8,
387.0,      0.0);
    ( 489550.0, 3669750.0,      368.9,      387.0,
0.0);      ( 489600.0, 3669750.0,      348.4,
421.0,      0.0);
    ( 489650.0, 3669750.0,      330.9,      421.0,

```

Villages Escondido Construction PM

```

0.0);          ( 489700.0, 3669750.0,      319.2,
444.0,          0.0);
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0.0);          ( 489800.0, 3669750.0,      301.2,
444.0,          0.0);
      ( 489850.0, 3669750.0,      290.9,      444.0,
0.0);          ( 489900.0, 3669750.0,      289.8,
444.0,          0.0);
      ( 489950.0, 3669750.0,      280.5,      444.0,
0.0);          ( 490000.0, 3669750.0,      273.4,
444.0,          0.0);
      ( 490050.0, 3669750.0,      269.4,      444.0,
0.0);          ( 490100.0, 3669750.0,      268.2,
444.0,          0.0);
      ( 490150.0, 3669750.0,      268.5,      444.0,
0.0);          ( 490200.0, 3669750.0,      270.9,
444.0,          0.0);
      ( 490250.0, 3669750.0,      275.1,      444.0,
0.0);          ( 490300.0, 3669750.0,      283.3,
421.0,          0.0);
      ( 490350.0, 3669750.0,      293.0,      421.0,
0.0);          ( 487900.0, 3669800.0,      325.5,
465.0,          0.0);
      ( 487950.0, 3669800.0,      320.6,      465.0,
0.0);          ( 488000.0, 3669800.0,      313.8,
465.0,          0.0);
      ( 488050.0, 3669800.0,      303.7,      465.0,
0.0);          ( 488100.0, 3669800.0,      289.0,
488.0,          0.0);
      ( 488150.0, 3669800.0,      276.3,      488.0,
0.0);          ( 488200.0, 3669800.0,      265.5,
488.0,          0.0);
      ( 488250.0, 3669800.0,      257.3,      488.0,
0.0);          ( 488300.0, 3669800.0,      252.2,
488.0,          0.0);

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Villages Escondido Construction PM

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

DISCRETE CARTESIAN RECEPTORS ***

(X-COORD,

Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

(488350.0, 3669800.0,	250.4,	488.0,
0.0);	(488400.0, 3669800.0,	257.6,
488.0,	0.0);	
(488450.0, 3669800.0,	259.6,	488.0,
0.0);	(488500.0, 3669800.0,	258.8,
488.0,	0.0);	
(488550.0, 3669800.0,	270.2,	488.0,
0.0);	(488600.0, 3669800.0,	283.0,
488.0,	0.0);	
(488650.0, 3669800.0,	292.3,	465.0,
0.0);	(488700.0, 3669800.0,	299.7,
465.0,	0.0);	
(488750.0, 3669800.0,	315.2,	465.0,
0.0);	(488800.0, 3669800.0,	330.2,
463.0,	0.0);	
(488850.0, 3669800.0,	325.7,	463.0,

Villages Escondido Construction PM

0.0);	(488900.0, 3669800.0,	314.6,
465.0,	0.0);	
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0.0);	(489000.0, 3669800.0,	281.7,
465.0,	0.0);	
(489050.0, 3669800.0,	303.0,	465.0,
0.0);	(489100.0, 3669800.0,	330.2,
463.0,	0.0);	
(489150.0, 3669800.0,	359.1,	422.0,
0.0);	(489200.0, 3669800.0,	368.8,
421.0,	0.0);	
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444.0,	0.0);	
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0.0);	(489400.0, 3669800.0,	360.1,
421.0,	0.0);	
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0.0);	(489500.0, 3669800.0,	378.0,
387.0,	0.0);	
(489550.0, 3669800.0,	376.9,	387.0,
0.0);	(489600.0, 3669800.0,	363.6,
421.0,	0.0);	
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0.0);	(489700.0, 3669800.0,	333.9,
421.0,	0.0);	
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0.0);	(489800.0, 3669800.0,	306.6,
444.0,	0.0);	
(489850.0, 3669800.0,	299.9,	444.0,
0.0);	(489900.0, 3669800.0,	303.1,
444.0,	0.0);	
(489950.0, 3669800.0,	292.0,	444.0,
0.0);	(490000.0, 3669800.0,	278.9,
444.0,	0.0);	

Villages Escondido Construction PM

```

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0.0);      ( 490100.0, 3669800.0,      271.3,
444.0,      0.0);
( 490150.0, 3669800.0,      270.4,      444.0,
0.0);      ( 490200.0, 3669800.0,      271.1,
444.0,      0.0);
( 490250.0, 3669800.0,      273.4,      444.0,
0.0);      ( 490300.0, 3669800.0,      272.8,
444.0,      0.0);
( 490350.0, 3669800.0,      278.2,      421.0,
0.0);      ( 487400.0, 3667200.0,      198.4,
220.0,      0.0);
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0.0);      ( 487600.0, 3667200.0,      213.6,
213.6,      0.0);
( 487700.0, 3667200.0,      214.2,      214.2,
0.0);      ( 487800.0, 3667200.0,      211.5,
211.5,      0.0);
( 487900.0, 3667200.0,      219.5,      219.5,
0.0);      ( 488000.0, 3667200.0,      211.7,
221.0,      0.0);
( 488100.0, 3667200.0,      208.2,      208.2,
0.0);      ( 488200.0, 3667200.0,      211.6,
211.6,      0.0);
( 488300.0, 3667200.0,      216.2,      216.2,
0.0);      ( 488400.0, 3667200.0,      218.4,
238.0,      0.0);
( 488500.0, 3667200.0,      222.1,      237.0,
0.0);      ( 488600.0, 3667200.0,      221.7,
221.7,      0.0);
( 488700.0, 3667200.0,      217.4,      233.0,
0.0);      ( 488800.0, 3667200.0,      212.5,
233.0,      0.0);
( 488900.0, 3667200.0,      210.5,      210.5,
0.0);      ( 489000.0, 3667200.0,      213.5,

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Villages Escondido Construction PM

218.0, 0.0);
 (489100.0, 3667200.0, 216.4, 220.0,
 0.0); (489200.0, 3667200.0, 214.5,
 214.5, 0.0);
 (489300.0, 3667200.0, 217.7, 243.0,
 0.0); (489400.0, 3667200.0, 227.6,
 243.0, 0.0);
 (489500.0, 3667200.0, 239.6, 243.0,
 0.0); (489600.0, 3667200.0, 234.9,
 243.0, 0.0);
 (489700.0, 3667200.0, 226.5, 258.0,
 0.0); (489800.0, 3667200.0, 230.0,
 258.0, 0.0);
 (489900.0, 3667200.0, 231.6, 258.0,
 0.0); (490000.0, 3667200.0, 237.6,
 251.0, 0.0);
 (490100.0, 3667200.0, 248.9, 251.0,
 0.0); (490200.0, 3667200.0, 230.2,
 251.0, 0.0);
 (490300.0, 3667200.0, 232.6, 244.0,
 0.0); (490400.0, 3667200.0, 231.6,
 244.0, 0.0);
 (490500.0, 3667200.0, 218.6, 244.0,
 0.0); (490600.0, 3667200.0, 212.5,
 244.0, 0.0);
 (490700.0, 3667200.0, 209.7, 244.0,
 0.0); (490800.0, 3667200.0, 207.5,
 207.5, 0.0);
 (487400.0, 3667300.0, 197.4, 197.4,
 0.0); (487500.0, 3667300.0, 199.9,
 213.0, 0.0);
 (487600.0, 3667300.0, 203.6, 216.0,
 0.0); (487700.0, 3667300.0, 205.8,
 205.8, 0.0);
 (487800.0, 3667300.0, 207.7, 207.7,

Villages Escondido Construction PM

0.0); (487900.0, 3667300.0, 213.4,
220.0, 0.0);
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0.0); (488100.0, 3667300.0, 206.0,
206.0, 0.0);
(488200.0, 3667300.0, 211.8, 211.8,
0.0); (488300.0, 3667300.0, 214.7,
214.7, 0.0);
(488400.0, 3667300.0, 212.4, 212.4,
0.0); (488500.0, 3667300.0, 214.4,
214.4, 0.0);
(488600.0, 3667300.0, 219.6, 219.6,
0.0); (488700.0, 3667300.0, 216.9,
216.9, 0.0);

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
View\Villages Escondido Construction PM\Villages Esc ***
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*** AERMET - VERSION 15181 *** ***

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

DISCRETE CARTESIAN RECEPTORS ***

(X-COORD,

Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

(488800.0, 3667300.0, 211.0, 211.0,
0.0); (488900.0, 3667300.0, 207.1,

Villages Escondido Construction PM

207.1, 0.0);
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 0.0); (489100.0, 3667300.0, 217.8,
 217.8, 0.0);
 (489200.0, 3667300.0, 217.8, 217.8,
 0.0); (489300.0, 3667300.0, 218.6,
 218.6, 0.0);
 (489400.0, 3667300.0, 224.1, 243.0,
 0.0); (489500.0, 3667300.0, 233.8,
 242.0, 0.0);
 (489600.0, 3667300.0, 238.9, 238.9,
 0.0); (489700.0, 3667300.0, 230.0,
 258.0, 0.0);
 (489800.0, 3667300.0, 236.8, 258.0,
 0.0); (489900.0, 3667300.0, 243.1,
 258.0, 0.0);
 (490000.0, 3667300.0, 237.8, 258.0,
 0.0); (490100.0, 3667300.0, 237.0,
 251.0, 0.0);
 (490200.0, 3667300.0, 227.0, 251.0,
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 251.0, 0.0);
 (490400.0, 3667300.0, 223.7, 244.0,
 0.0); (490500.0, 3667300.0, 213.4,
 244.0, 0.0);
 (490600.0, 3667300.0, 210.2, 247.0,
 0.0); (490700.0, 3667300.0, 209.8,
 247.0, 0.0);
 (490800.0, 3667300.0, 209.8, 247.0,
 0.0); (487400.0, 3667400.0, 197.0,
 197.0, 0.0);
 (487500.0, 3667400.0, 198.7, 198.7,
 0.0); (487600.0, 3667400.0, 202.0,
 202.0, 0.0);
 (487700.0, 3667400.0, 205.7, 214.0,

Villages Escondido Construction PM

0.0);	(487800.0, 3667400.0,	208.2,
208.2,	0.0);	
(487900.0, 3667400.0,	208.8,	208.8,
0.0);	(488000.0, 3667400.0,	205.8,
205.8,	0.0);	
(488100.0, 3667400.0,	205.5,	205.5,
0.0);	(488200.0, 3667400.0,	207.7,
207.7,	0.0);	
(488300.0, 3667400.0,	208.4,	212.0,
0.0);	(488400.0, 3667400.0,	206.8,
206.8,	0.0);	
(488500.0, 3667400.0,	211.2,	211.2,
0.0);	(488600.0, 3667400.0,	212.4,
212.4,	0.0);	
(488700.0, 3667400.0,	210.8,	210.8,
0.0);	(488800.0, 3667400.0,	207.8,
207.8,	0.0);	
(488900.0, 3667400.0,	207.3,	207.3,
0.0);	(489000.0, 3667400.0,	214.8,
214.8,	0.0);	
(489100.0, 3667400.0,	220.0,	220.0,
0.0);	(489200.0, 3667400.0,	220.1,
220.1,	0.0);	
(489300.0, 3667400.0,	225.6,	225.6,
0.0);	(489400.0, 3667400.0,	230.0,
230.0,	0.0);	
(489500.0, 3667400.0,	235.6,	235.6,
0.0);	(489600.0, 3667400.0,	234.9,
238.0,	0.0);	
(489700.0, 3667400.0,	237.3,	258.0,
0.0);	(489800.0, 3667400.0,	246.5,
258.0,	0.0);	
(489900.0, 3667400.0,	255.5,	258.0,
0.0);	(490000.0, 3667400.0,	236.0,
258.0,	0.0);	

Villages Escondido Construction PM

(490100.0, 3667400.0,	225.8,	258.0,
0.0);	(490200.0, 3667400.0,	223.3,
258.0,	0.0);	
(490300.0, 3667400.0,	217.6,	251.0,
0.0);	(490400.0, 3667400.0,	215.6,
244.0,	0.0);	
(490500.0, 3667400.0,	210.4,	247.0,
0.0);	(490600.0, 3667400.0,	211.1,
247.0,	0.0);	
(490700.0, 3667400.0,	212.9,	247.0,
0.0);	(490800.0, 3667400.0,	215.2,
247.0,	0.0);	
(487400.0, 3667500.0,	197.5,	197.5,
0.0);	(487500.0, 3667500.0,	198.7,
198.7,	0.0);	
(487600.0, 3667500.0,	199.6,	214.0,
0.0);	(487700.0, 3667500.0,	205.6,
214.0,	0.0);	
(487800.0, 3667500.0,	205.6,	214.0,
0.0);	(487900.0, 3667500.0,	203.1,
203.1,	0.0);	
(488000.0, 3667500.0,	201.5,	201.5,
0.0);	(488100.0, 3667500.0,	201.4,
201.4,	0.0);	
(488200.0, 3667500.0,	201.5,	201.5,
0.0);	(488300.0, 3667500.0,	202.5,
202.5,	0.0);	
(488400.0, 3667500.0,	202.9,	202.9,
0.0);	(488500.0, 3667500.0,	207.1,
214.0,	0.0);	
(488600.0, 3667500.0,	207.4,	207.4,
0.0);	(488700.0, 3667500.0,	206.5,
206.5,	0.0);	
(488800.0, 3667500.0,	206.0,	206.0,
0.0);	(488900.0, 3667500.0,	206.0,

Villages Escondido Construction PM

206.0, 0.0);
 (489000.0, 3667500.0, 208.7, 220.0,
 0.0); (489100.0, 3667500.0, 214.7,
 222.0, 0.0);
 (489200.0, 3667500.0, 215.9, 226.0,
 0.0); (489300.0, 3667500.0, 224.3,
 224.3, 0.0);
 (489400.0, 3667500.0, 230.6, 232.0,
 0.0); (489500.0, 3667500.0, 226.4,
 239.0, 0.0);
 (489600.0, 3667500.0, 226.9, 258.0,
 0.0); (489700.0, 3667500.0, 236.2,
 258.0, 0.0);
 (489800.0, 3667500.0, 244.8, 258.0,
 0.0); (489900.0, 3667500.0, 241.9,
 258.0, 0.0);
 (490000.0, 3667500.0, 233.5, 258.0,
 0.0); (490100.0, 3667500.0, 223.8,
 258.0, 0.0);
 (490200.0, 3667500.0, 218.2, 258.0,
 0.0); (490300.0, 3667500.0, 213.5,
 258.0, 0.0);
 (490400.0, 3667500.0, 213.5, 247.0,
 0.0); (490500.0, 3667500.0, 214.5,
 247.0, 0.0);
 (490600.0, 3667500.0, 225.0, 247.0,
 0.0); (490700.0, 3667500.0, 228.7,
 247.0, 0.0);

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
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Villages Escondido Construction PM

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

DISCRETE CARTESIAN RECEPTORS ***

(X-COORD,

Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

(490800.0, 3667500.0, 222.9,	247.0,
0.0);	(487400.0, 3667600.0, 198.8,
198.8,	0.0);
(487500.0, 3667600.0, 198.1,	198.1,
0.0);	(487600.0, 3667600.0, 198.0,
198.0,	0.0);
(487700.0, 3667600.0, 199.1,	214.0,
0.0);	(487800.0, 3667600.0, 199.8,
199.8,	0.0);
(487900.0, 3667600.0, 200.0,	200.0,
0.0);	(488000.0, 3667600.0, 200.8,
200.8,	0.0);
(488100.0, 3667600.0, 201.8,	201.8,
0.0);	(488200.0, 3667600.0, 203.6,
203.6,	0.0);
(488300.0, 3667600.0, 203.6,	203.6,
0.0);	(488400.0, 3667600.0, 202.8,
202.8,	0.0);
(488500.0, 3667600.0, 203.0,	203.0,
0.0);	(488600.0, 3667600.0, 205.0,
205.0,	0.0);
(488700.0, 3667600.0, 205.9,	205.9,
0.0);	(488800.0, 3667600.0, 207.6,

Villages Escondido Construction PM

207.6, 0.0);
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 0.0); (489000.0, 3667600.0, 208.8,
 208.8, 0.0);
 (489100.0, 3667600.0, 211.0, 211.0,
 0.0); (489200.0, 3667600.0, 211.4,
 211.4, 0.0);
 (489300.0, 3667600.0, 214.3, 232.0,
 0.0); (489400.0, 3667600.0, 216.8,
 233.0, 0.0);
 (489500.0, 3667600.0, 216.8, 239.0,
 0.0); (489600.0, 3667600.0, 219.4,
 258.0, 0.0);
 (489700.0, 3667600.0, 226.8, 258.0,
 0.0); (489800.0, 3667600.0, 231.9,
 258.0, 0.0);
 (489900.0, 3667600.0, 232.0, 258.0,
 0.0); (490000.0, 3667600.0, 224.8,
 258.0, 0.0);
 (490100.0, 3667600.0, 220.6, 258.0,
 0.0); (490200.0, 3667600.0, 219.4,
 258.0, 0.0);
 (490300.0, 3667600.0, 216.8, 216.8,
 0.0); (490400.0, 3667600.0, 215.0,
 249.0, 0.0);
 (490500.0, 3667600.0, 221.4, 247.0,
 0.0); (490600.0, 3667600.0, 237.0,
 247.0, 0.0);
 (490700.0, 3667600.0, 242.3, 247.0,
 0.0); (490800.0, 3667600.0, 227.8,
 247.0, 0.0);
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 0.0); (487500.0, 3667700.0, 199.0,
 199.0, 0.0);
 (487600.0, 3667700.0, 200.2, 200.2,

Villages Escondido Construction PM

0.0);	(487700.0, 3667700.0,	200.7,
200.7,	0.0);	
(487800.0, 3667700.0,	199.4,	199.4,
0.0);	(490400.0, 3667700.0,	218.9,
249.0,	0.0);	
(490500.0, 3667700.0,	223.9,	250.0,
0.0);	(490600.0, 3667700.0,	231.9,
249.0,	0.0);	
(490700.0, 3667700.0,	240.0,	240.0,
0.0);	(490800.0, 3667700.0,	230.5,
256.0,	0.0);	
(487400.0, 3667800.0,	205.3,	385.0,
0.0);	(487500.0, 3667800.0,	200.5,
398.0,	0.0);	
(487600.0, 3667800.0,	200.0,	398.0,
0.0);	(487700.0, 3667800.0,	206.7,
206.7,	0.0);	
(487800.0, 3667800.0,	202.9,	206.0,
0.0);	(490400.0, 3667800.0,	221.2,
250.0,	0.0);	
(490500.0, 3667800.0,	236.5,	246.0,
0.0);	(490600.0, 3667800.0,	242.3,
249.0,	0.0);	
(490700.0, 3667800.0,	245.0,	245.0,
0.0);	(490800.0, 3667800.0,	240.6,
256.0,	0.0);	
(487400.0, 3667900.0,	206.8,	400.0,
0.0);	(487500.0, 3667900.0,	206.5,
400.0,	0.0);	
(487600.0, 3667900.0,	201.8,	400.0,
0.0);	(487700.0, 3667900.0,	205.8,
400.0,	0.0);	
(487800.0, 3667900.0,	205.7,	400.0,
0.0);	(490400.0, 3667900.0,	220.9,
250.0,	0.0);	

Villages Escondido Construction PM

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0.0);      ( 490600.0, 3667900.0,      241.8,
250.0,      0.0);
( 490700.0, 3667900.0,      245.6,      254.0,
0.0);      ( 490800.0, 3667900.0,      254.5,
256.0,      0.0);
( 487400.0, 3668000.0,      217.4,      400.0,
0.0);      ( 487500.0, 3668000.0,      213.9,
400.0,      0.0);
( 487600.0, 3668000.0,      206.1,      400.0,
0.0);      ( 487700.0, 3668000.0,      205.1,
400.0,      0.0);
( 487800.0, 3668000.0,      206.0,      400.0,
0.0);      ( 490400.0, 3668000.0,      219.5,
270.0,      0.0);
( 490500.0, 3668000.0,      225.1,      270.0,
0.0);      ( 490600.0, 3668000.0,      228.9,
268.0,      0.0);
( 490700.0, 3668000.0,      239.0,      256.0,
0.0);      ( 490800.0, 3668000.0,      250.3,
250.3,      0.0);
( 487400.0, 3668100.0,      218.7,      400.0,
0.0);      ( 487500.0, 3668100.0,      216.7,
400.0,      0.0);
( 487600.0, 3668100.0,      208.5,      400.0,
0.0);      ( 487700.0, 3668100.0,      206.0,
400.0,      0.0);
( 487800.0, 3668100.0,      207.3,      400.0,
0.0);      ( 490400.0, 3668100.0,      225.0,
270.0,      0.0);
( 490500.0, 3668100.0,      224.7,      270.0,
0.0);      ( 490600.0, 3668100.0,      226.5,
270.0,      0.0);
( 490700.0, 3668100.0,      230.6,      270.0,
0.0);      ( 490800.0, 3668100.0,      233.3,

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Villages Escondido Construction PM

256.0, 0.0);
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0.0); (487500.0, 3668200.0, 212.9,
400.0, 0.0);
(487600.0, 3668200.0, 210.4, 400.0,
0.0); (487700.0, 3668200.0, 206.9,
400.0, 0.0);

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

DISCRETE CARTESIAN RECEPTORS ***

(X-COORD,

Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

(487800.0, 3668200.0, 207.0, 400.0,
0.0); (490400.0, 3668200.0, 229.8,
270.0, 0.0);
(490500.0, 3668200.0, 231.0, 270.0,
0.0); (490600.0, 3668200.0, 231.6,
270.0, 0.0);
(490700.0, 3668200.0, 229.7, 270.0,
0.0); (490800.0, 3668200.0, 229.0,
270.0, 0.0);

Villages Escondido Construction PM

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0.0);      ( 487500.0, 3668300.0,      212.9,
400.0,      0.0);
( 487600.0, 3668300.0,      212.8,      400.0,
0.0);      ( 487700.0, 3668300.0,      207.4,
460.0,      0.0);
( 487800.0, 3668300.0,      207.4,      463.0,
0.0);      ( 490400.0, 3668300.0,      239.0,
270.0,      0.0);
( 490500.0, 3668300.0,      244.9,      270.0,
0.0);      ( 490600.0, 3668300.0,      246.9,
270.0,      0.0);
( 490700.0, 3668300.0,      236.8,      270.0,
0.0);      ( 490800.0, 3668300.0,      230.0,
270.0,      0.0);
( 487400.0, 3668400.0,      211.0,      465.0,
0.0);      ( 487500.0, 3668400.0,      211.0,
465.0,      0.0);
( 487600.0, 3668400.0,      211.0,      465.0,
0.0);      ( 487700.0, 3668400.0,      209.8,
465.0,      0.0);
( 487800.0, 3668400.0,      209.5,      465.0,
0.0);      ( 490400.0, 3668400.0,      258.9,
262.0,      0.0);
( 490500.0, 3668400.0,      264.6,      270.0,
0.0);      ( 490600.0, 3668400.0,      265.1,
268.0,      0.0);
( 490700.0, 3668400.0,      251.7,      270.0,
0.0);      ( 490800.0, 3668400.0,      229.3,
270.0,      0.0);
( 487400.0, 3668500.0,      212.0,      465.0,
0.0);      ( 487500.0, 3668500.0,      211.9,
465.0,      0.0);
( 487600.0, 3668500.0,      211.8,      465.0,
0.0);      ( 487700.0, 3668500.0,      211.0,

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Villages Escondido Construction PM

465.0, 0.0);
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 270.0, 0.0);
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 0.0); (490600.0, 3668500.0, 243.9,
 270.0, 0.0);
 (490700.0, 3668500.0, 232.0, 348.0,
 0.0); (490800.0, 3668500.0, 222.3,
 348.0, 0.0);
 (487400.0, 3668600.0, 215.3, 465.0,
 0.0); (487500.0, 3668600.0, 214.3,
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 (487600.0, 3668600.0, 213.1, 465.0,
 0.0); (487700.0, 3668600.0, 213.1,
 465.0, 0.0);
 (487800.0, 3668600.0, 213.2, 465.0,
 0.0); (490400.0, 3668600.0, 245.0,
 348.0, 0.0);
 (490500.0, 3668600.0, 242.4, 348.0,
 0.0); (490600.0, 3668600.0, 235.7,
 348.0, 0.0);
 (490700.0, 3668600.0, 227.9, 348.0,
 0.0); (490800.0, 3668600.0, 231.9,
 348.0, 0.0);
 (487400.0, 3668700.0, 219.8, 465.0,
 0.0); (487500.0, 3668700.0, 219.5,
 465.0, 0.0);
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 0.0); (487700.0, 3668700.0, 217.1,
 465.0, 0.0);
 (487800.0, 3668700.0, 218.2, 465.0,
 0.0); (490400.0, 3668700.0, 239.4,
 387.0, 0.0);
 (490500.0, 3668700.0, 238.8, 348.0,

Villages Escondido Construction PM

0.0); (490600.0, 3668700.0, 232.5,
348.0, 0.0);
(490700.0, 3668700.0, 230.0, 348.0,
0.0); (490800.0, 3668700.0, 230.9,
348.0, 0.0);
(487400.0, 3668800.0, 226.8, 465.0,
0.0); (487500.0, 3668800.0, 223.6,
465.0, 0.0);
(487600.0, 3668800.0, 220.6, 465.0,
0.0); (487700.0, 3668800.0, 222.6,
465.0, 0.0);
(487800.0, 3668800.0, 222.7, 465.0,
0.0); (490400.0, 3668800.0, 236.0,
421.0, 0.0);
(490500.0, 3668800.0, 236.2, 387.0,
0.0); (490600.0, 3668800.0, 232.0,
387.0, 0.0);
(490700.0, 3668800.0, 230.3, 387.0,
0.0); (490800.0, 3668800.0, 235.8,
348.0, 0.0);
(487400.0, 3668900.0, 240.6, 465.0,
0.0); (487500.0, 3668900.0, 231.1,
465.0, 0.0);
(487600.0, 3668900.0, 230.3, 465.0,
0.0); (487700.0, 3668900.0, 231.1,
465.0, 0.0);
(487800.0, 3668900.0, 229.6, 465.0,
0.0); (490400.0, 3668900.0, 236.4,
421.0, 0.0);
(490500.0, 3668900.0, 236.5, 421.0,
0.0); (490600.0, 3668900.0, 233.3,
387.0, 0.0);
(490700.0, 3668900.0, 230.4, 387.0,
0.0); (490800.0, 3668900.0, 240.2,
348.0, 0.0);

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      Villages Escondido Construction PM
    ( 487400.0, 3669000.0,      252.5,      465.0,
0.0);      ( 487500.0, 3669000.0,      238.7,
465.0,      0.0);
    ( 487600.0, 3669000.0,      237.0,      465.0,
0.0);      ( 487700.0, 3669000.0,      245.0,
465.0,      0.0);
    ( 487800.0, 3669000.0,      242.8,      465.0,
0.0);      ( 490400.0, 3669000.0,      243.1,
421.0,      0.0);
    ( 490500.0, 3669000.0,      243.8,      421.0,
0.0);      ( 490600.0, 3669000.0,      243.3,
387.0,      0.0);
    ( 490700.0, 3669000.0,      236.3,      387.0,
0.0);      ( 490800.0, 3669000.0,      244.2,
348.0,      0.0);
    ( 487400.0, 3669100.0,      265.5,      465.0,
0.0);      ( 487500.0, 3669100.0,      262.8,
465.0,      0.0);
    ( 487600.0, 3669100.0,      259.9,      465.0,
0.0);      ( 487700.0, 3669100.0,      266.7,
465.0,      0.0);
▲ *** AERMOD - VERSION 16216r ***      *** C:\Lakes\AERMOD
View\Villages Escondido Construction PM\Villages Esc ***
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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

DISCRETE CARTESIAN RECEPTORS ***

Villages Escondido Construction PM

(X-COORD,

Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

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( 487800.0, 3669100.0,      263.9,      465.0,
0.0);      ( 490400.0, 3669100.0,      245.6,
421.0,      0.0);
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0.0);      ( 490600.0, 3669100.0,      248.6,
387.0,      0.0);
( 490700.0, 3669100.0,      244.1,      387.0,
0.0);      ( 490800.0, 3669100.0,      245.5,
348.0,      0.0);
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400.0,      0.0);
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0.0);      ( 487700.0, 3669200.0,      288.4,
465.0,      0.0);
( 487800.0, 3669200.0,      277.6,      465.0,
0.0);      ( 490400.0, 3669200.0,      252.3,
421.0,      0.0);
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0.0);      ( 490600.0, 3669200.0,      256.6,
387.0,      0.0);
( 490700.0, 3669200.0,      255.7,      348.0,
0.0);      ( 490800.0, 3669200.0,      254.4,
348.0,      0.0);
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0.0);      ( 487500.0, 3669300.0,      330.6,
400.0,      0.0);
( 487600.0, 3669300.0,      318.2,      400.0,
0.0);      ( 487700.0, 3669300.0,      298.9,
465.0,      0.0);

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Villages Escondido Construction PM

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0.0);	(490400.0, 3669300.0,	262.6,
421.0,	0.0);	
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0.0);	(490600.0, 3669300.0,	270.3,
348.0,	0.0);	
(490700.0, 3669300.0,	271.1,	348.0,
0.0);	(490800.0, 3669300.0,	269.1,
348.0,	0.0);	
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0.0);	(487500.0, 3669400.0,	347.2,
400.0,	0.0);	
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0.0);	(487700.0, 3669400.0,	293.1,
465.0,	0.0);	
(487800.0, 3669400.0,	266.2,	465.0,
0.0);	(490400.0, 3669400.0,	273.8,
421.0,	0.0);	
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0.0);	(490600.0, 3669400.0,	286.2,
348.0,	0.0);	
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0.0);	(490800.0, 3669400.0,	270.6,
348.0,	0.0);	
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0.0);	(487500.0, 3669500.0,	361.6,
400.0,	0.0);	
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0.0);	(487700.0, 3669500.0,	308.7,
465.0,	0.0);	
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0.0);	(490400.0, 3669500.0,	293.8,
348.0,	0.0);	
(490500.0, 3669500.0,	292.5,	348.0,
0.0);	(490600.0, 3669500.0,	293.3,

Villages Escondido Construction PM

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 0.0); (490800.0, 3669500.0, 274.3,
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 400.0, 0.0);
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 465.0, 0.0);
 (487800.0, 3669600.0, 286.8, 465.0,
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 348.0, 0.0);
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 0.0); (487500.0, 3669700.0, 372.0,
 400.0, 0.0);
 (487600.0, 3669700.0, 358.9, 400.0,
 0.0); (487700.0, 3669700.0, 318.9,
 465.0, 0.0);
 (487800.0, 3669700.0, 309.2, 465.0,
 0.0); (490400.0, 3669700.0, 308.7,
 348.0, 0.0);
 (490500.0, 3669700.0, 313.1, 348.0,
 0.0); (490600.0, 3669700.0, 318.5,
 348.0, 0.0);
 (490700.0, 3669700.0, 311.4, 348.0,
 0.0); (490800.0, 3669700.0, 308.7,
 348.0, 0.0);
 (487400.0, 3669800.0, 398.8, 400.0,

Villages Escondido Construction PM

```

0.0);          ( 487500.0, 3669800.0,      374.2,
400.0,          0.0);
      ( 487600.0, 3669800.0,      339.2,      465.0,
0.0);          ( 487700.0, 3669800.0,      319.7,
465.0,          0.0);
      ( 487800.0, 3669800.0,      328.5,      465.0,
0.0);          ( 490400.0, 3669800.0,      283.6,
421.0,          0.0);
      ( 490500.0, 3669800.0,      287.3,      387.0,
0.0);          ( 490600.0, 3669800.0,      284.4,
348.0,          0.0);
      ( 490700.0, 3669800.0,      285.8,      348.0,
0.0);          ( 490800.0, 3669800.0,      287.2,
348.0,          0.0);
      ( 487400.0, 3669900.0,      372.4,      400.0,
0.0);          ( 487500.0, 3669900.0,      356.0,
465.0,          0.0);
      ( 487600.0, 3669900.0,      357.1,      465.0,
0.0);          ( 487700.0, 3669900.0,      333.4,
465.0,          0.0);
      ( 487800.0, 3669900.0,      346.4,      465.0,
0.0);          ( 487900.0, 3669900.0,      331.6,
465.0,          0.0);
      ( 488000.0, 3669900.0,      304.7,      488.0,
0.0);          ( 488100.0, 3669900.0,      279.8,
488.0,          0.0);
      ( 488200.0, 3669900.0,      265.3,      488.0,
0.0);          ( 488300.0, 3669900.0,      254.4,
488.0,          0.0);
      ( 488400.0, 3669900.0,      263.9,      488.0,
0.0);          ( 488500.0, 3669900.0,      268.4,
488.0,          0.0);
      ( 488600.0, 3669900.0,      276.6,      488.0,
0.0);          ( 488700.0, 3669900.0,      290.6,
488.0,          0.0);

```

Villages Escondido Construction PM

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

DISCRETE CARTESIAN RECEPTORS ***

(X-COORD,

Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

(488800.0, 3669900.0, 312.4, 465.0,	
0.0);	(488900.0, 3669900.0, 324.7,
465.0, 0.0);	
(489000.0, 3669900.0, 309.6, 465.0,	
0.0);	(489100.0, 3669900.0, 307.6,
465.0, 0.0);	
(489200.0, 3669900.0, 324.0, 463.0,	
0.0);	(489300.0, 3669900.0, 345.4,
444.0, 0.0);	
(489400.0, 3669900.0, 364.6, 421.0,	
0.0);	(489500.0, 3669900.0, 366.8,
421.0, 0.0);	
(489600.0, 3669900.0, 343.0, 421.0,	
0.0);	(489700.0, 3669900.0, 334.7,
421.0, 0.0);	
(489800.0, 3669900.0, 314.7, 444.0,	

Villages Escondido Construction PM

0.0);	(489900.0, 3669900.0,	322.3,
421.0,	0.0);	
(490000.0, 3669900.0,	307.6,	421.0,
0.0);	(490100.0, 3669900.0,	292.3,
444.0,	0.0);	
(490200.0, 3669900.0,	271.3,	444.0,
0.0);	(490300.0, 3669900.0,	267.1,
444.0,	0.0);	
(490400.0, 3669900.0,	268.5,	444.0,
0.0);	(490500.0, 3669900.0,	272.2,
421.0,	0.0);	
(490600.0, 3669900.0,	276.1,	421.0,
0.0);	(490700.0, 3669900.0,	281.2,
348.0,	0.0);	
(490800.0, 3669900.0,	275.8,	348.0,
0.0);	(487400.0, 3670000.0,	372.3,
405.0,	0.0);	
(487500.0, 3670000.0,	376.1,	404.0,
0.0);	(487600.0, 3670000.0,	366.9,
465.0,	0.0);	
(487700.0, 3670000.0,	355.9,	465.0,
0.0);	(487800.0, 3670000.0,	366.4,
465.0,	0.0);	
(487900.0, 3670000.0,	364.9,	465.0,
0.0);	(488000.0, 3670000.0,	345.9,
465.0,	0.0);	
(488100.0, 3670000.0,	312.3,	488.0,
0.0);	(488200.0, 3670000.0,	281.9,
488.0,	0.0);	
(488300.0, 3670000.0,	262.8,	488.0,
0.0);	(488400.0, 3670000.0,	270.4,
488.0,	0.0);	
(488500.0, 3670000.0,	280.9,	488.0,
0.0);	(488600.0, 3670000.0,	301.9,
488.0,	0.0);	

Villages Escondido Construction PM

(488700.0, 3670000.0,	324.4,	465.0,
0.0);	(488800.0, 3670000.0,	356.6,
463.0,	0.0);	
(488900.0, 3670000.0,	353.7,	463.0,
0.0);	(489000.0, 3670000.0,	360.5,
463.0,	0.0);	
(489100.0, 3670000.0,	345.6,	463.0,
0.0);	(489200.0, 3670000.0,	357.4,
444.0,	0.0);	
(489300.0, 3670000.0,	361.1,	444.0,
0.0);	(489400.0, 3670000.0,	348.6,
444.0,	0.0);	
(489500.0, 3670000.0,	321.7,	463.0,
0.0);	(489600.0, 3670000.0,	311.3,
463.0,	0.0);	
(489700.0, 3670000.0,	304.9,	463.0,
0.0);	(489800.0, 3670000.0,	301.2,
444.0,	0.0);	
(489900.0, 3670000.0,	304.1,	444.0,
0.0);	(490000.0, 3670000.0,	313.2,
421.0,	0.0);	
(490100.0, 3670000.0,	291.5,	444.0,
0.0);	(490200.0, 3670000.0,	265.3,
444.0,	0.0);	
(490300.0, 3670000.0,	262.0,	444.0,
0.0);	(490400.0, 3670000.0,	268.3,
444.0,	0.0);	
(490500.0, 3670000.0,	276.3,	421.0,
0.0);	(490600.0, 3670000.0,	274.8,
421.0,	0.0);	
(490700.0, 3670000.0,	271.2,	348.0,
0.0);	(490800.0, 3670000.0,	264.9,
348.0,	0.0);	
(487400.0, 3670100.0,	388.8,	388.8,
0.0);	(487500.0, 3670100.0,	388.4,

Villages Escondido Construction PM

392.0, 0.0);
 (487600.0, 3670100.0, 377.9, 465.0,
 0.0); (487700.0, 3670100.0, 376.6,
 465.0, 0.0);
 (487800.0, 3670100.0, 389.1, 392.0,
 0.0); (487900.0, 3670100.0, 386.1,
 465.0, 0.0);
 (488000.0, 3670100.0, 366.0, 465.0,
 0.0); (488100.0, 3670100.0, 323.0,
 488.0, 0.0);
 (488200.0, 3670100.0, 287.9, 488.0,
 0.0); (488300.0, 3670100.0, 266.5,
 488.0, 0.0);
 (488400.0, 3670100.0, 284.9, 488.0,
 0.0); (488500.0, 3670100.0, 302.3,
 488.0, 0.0);
 (488600.0, 3670100.0, 332.2, 465.0,
 0.0); (488700.0, 3670100.0, 357.3,
 463.0, 0.0);
 (488800.0, 3670100.0, 401.3, 422.0,
 0.0); (488900.0, 3670100.0, 395.3,
 444.0, 0.0);
 (489000.0, 3670100.0, 395.0, 422.0,
 0.0); (489100.0, 3670100.0, 374.1,
 444.0, 0.0);
 (489200.0, 3670100.0, 400.2, 421.0,
 0.0); (489300.0, 3670100.0, 399.6,
 421.0, 0.0);
 (489400.0, 3670100.0, 346.3, 444.0,
 0.0); (489500.0, 3670100.0, 316.4,
 463.0, 0.0);
 (489600.0, 3670100.0, 306.5, 463.0,
 0.0); (489700.0, 3670100.0, 291.9,
 463.0, 0.0);
 (489800.0, 3670100.0, 284.9, 463.0,

Villages Escondido Construction PM

0.0); (489900.0, 3670100.0, 281.2,
463.0, 0.0);
(490000.0, 3670100.0, 273.6, 463.0,
0.0); (490100.0, 3670100.0, 266.5,
463.0, 0.0);
(490200.0, 3670100.0, 260.4, 463.0,
0.0); (490300.0, 3670100.0, 248.7,
463.0, 0.0);
(490400.0, 3670100.0, 267.9, 444.0,
0.0); (490500.0, 3670100.0, 274.4,
421.0, 0.0);
(490600.0, 3670100.0, 268.2, 421.0,
0.0); (490700.0, 3670100.0, 263.8,
421.0, 0.0);

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

DISCRETE CARTESIAN RECEPTORS ***

(X-COORD,

Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

(490800.0, 3670100.0, 270.8, 348.0,
0.0); (487400.0, 3670200.0, 395.5,

Villages Escondido Construction PM

395.5, 0.0);
 (487500.0, 3670200.0, 397.2, 402.0,
 0.0); (487600.0, 3670200.0, 397.4,
 397.4, 0.0);
 (487700.0, 3670200.0, 396.1, 396.1,
 0.0); (487800.0, 3670200.0, 386.7,
 465.0, 0.0);
 (487900.0, 3670200.0, 377.1, 465.0,
 0.0); (488000.0, 3670200.0, 353.8,
 465.0, 0.0);
 (488100.0, 3670200.0, 316.1, 488.0,
 0.0); (488200.0, 3670200.0, 282.5,
 488.0, 0.0);
 (488300.0, 3670200.0, 282.4, 488.0,
 0.0); (488400.0, 3670200.0, 290.7,
 488.0, 0.0);
 (488500.0, 3670200.0, 333.9, 465.0,
 0.0); (488600.0, 3670200.0, 362.3,
 465.0, 0.0);
 (488700.0, 3670200.0, 390.2, 463.0,
 0.0); (488800.0, 3670200.0, 415.8,
 422.0, 0.0);
 (488900.0, 3670200.0, 410.2, 422.0,
 0.0); (489000.0, 3670200.0, 407.0,
 417.0, 0.0);
 (489100.0, 3670200.0, 395.7, 444.0,
 0.0); (489200.0, 3670200.0, 410.6,
 421.0, 0.0);
 (489300.0, 3670200.0, 371.1, 444.0,
 0.0); (489400.0, 3670200.0, 345.3,
 444.0, 0.0);
 (489500.0, 3670200.0, 321.7, 463.0,
 0.0); (489600.0, 3670200.0, 303.2,
 463.0, 0.0);
 (489700.0, 3670200.0, 286.1, 463.0,

Villages Escondido Construction PM

```

0.0);          ( 489800.0, 3670200.0,      275.0,
463.0,          0.0);
      ( 489900.0, 3670200.0,      272.2,      463.0,
0.0);          ( 490000.0, 3670200.0,      267.0,
463.0,          0.0);
      ( 490100.0, 3670200.0,      260.9,      463.0,
0.0);          ( 490200.0, 3670200.0,      257.2,
465.0,          0.0);
      ( 490300.0, 3670200.0,      245.3,      536.0,
0.0);          ( 490400.0, 3670200.0,      241.2,
536.0,          0.0);
      ( 490500.0, 3670200.0,      241.7,      536.0,
0.0);          ( 490600.0, 3670200.0,      240.6,
536.0,          0.0);
      ( 490700.0, 3670200.0,      238.3,      536.0,
0.0);          ( 490800.0, 3670200.0,      238.2,
564.0,          0.0);
      ( 487400.0, 3670300.0,      393.1,      406.0,
0.0);          ( 487500.0, 3670300.0,      404.7,
404.7,          0.0);
      ( 487600.0, 3670300.0,      403.7,      408.0,
0.0);          ( 487700.0, 3670300.0,      381.6,
465.0,          0.0);
      ( 487800.0, 3670300.0,      363.8,      465.0,
0.0);          ( 487900.0, 3670300.0,      347.8,
488.0,          0.0);
      ( 488000.0, 3670300.0,      336.3,      488.0,
0.0);          ( 488100.0, 3670300.0,      308.4,
488.0,          0.0);
      ( 488200.0, 3670300.0,      292.6,      488.0,
0.0);          ( 488300.0, 3670300.0,      314.3,
488.0,          0.0);
      ( 488400.0, 3670300.0,      341.7,      488.0,
0.0);          ( 488500.0, 3670300.0,      331.6,
488.0,          0.0);

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Villages Escondido Construction PM

```

( 488600.0, 3670300.0,      371.6,      465.0,
0.0);      ( 488700.0, 3670300.0,      386.0,
463.0,      0.0);
( 488800.0, 3670300.0,      391.4,      463.0,
0.0);      ( 488900.0, 3670300.0,      398.0,
444.0,      0.0);
( 489000.0, 3670300.0,      407.4,      444.0,
0.0);      ( 489100.0, 3670300.0,      406.5,
421.0,      0.0);
( 489200.0, 3670300.0,      386.7,      444.0,
0.0);      ( 489300.0, 3670300.0,      359.1,
444.0,      0.0);
( 489400.0, 3670300.0,      350.8,      444.0,
0.0);      ( 489500.0, 3670300.0,      332.6,
463.0,      0.0);
( 489600.0, 3670300.0,      305.0,      463.0,
0.0);      ( 489700.0, 3670300.0,      284.3,
463.0,      0.0);
( 489800.0, 3670300.0,      274.9,      463.0,
0.0);      ( 489900.0, 3670300.0,      264.2,
465.0,      0.0);
( 490000.0, 3670300.0,      263.9,      465.0,
0.0);      ( 490100.0, 3670300.0,      263.4,
465.0,      0.0);
( 490200.0, 3670300.0,      261.8,      465.0,
0.0);      ( 490300.0, 3670300.0,      242.0,
536.0,      0.0);
( 490400.0, 3670300.0,      241.7,      536.0,
0.0);      ( 490500.0, 3670300.0,      261.5,
465.0,      0.0);
( 490600.0, 3670300.0,      247.1,      536.0,
0.0);      ( 490700.0, 3670300.0,      246.5,
536.0,      0.0);
( 490800.0, 3670300.0,      247.6,      536.0,
0.0);      ( 486900.0, 3666700.0,      192.2,

```

Villages Escondido Construction PM

262.0, 0.0);
 (487150.0, 3666700.0, 194.8, 262.0,
 0.0); (487400.0, 3666700.0, 206.9,
 209.0, 0.0);
 (487650.0, 3666700.0, 210.7, 220.0,
 0.0); (487900.0, 3666700.0, 221.0,
 221.0, 0.0);
 (488150.0, 3666700.0, 221.9, 221.9,
 0.0); (488400.0, 3666700.0, 222.5,
 222.5, 0.0);
 (488650.0, 3666700.0, 222.1, 226.0,
 0.0); (488900.0, 3666700.0, 244.1,
 244.1, 0.0);
 (489150.0, 3666700.0, 241.1, 290.0,
 0.0); (489400.0, 3666700.0, 247.5,
 290.0, 0.0);
 (489650.0, 3666700.0, 228.5, 290.0,
 0.0); (489900.0, 3666700.0, 238.7,
 246.0, 0.0);
 (490150.0, 3666700.0, 219.3, 246.0,
 0.0); (490400.0, 3666700.0, 225.4,
 225.4, 0.0);
 (490650.0, 3666700.0, 222.7, 233.0,
 0.0); (490900.0, 3666700.0, 218.3,
 240.0, 0.0);
 (491150.0, 3666700.0, 202.3, 240.0,
 0.0); (491400.0, 3666700.0, 206.8,
 206.8, 0.0);

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
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Villages Escondido Construction PM

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

DISCRETE CARTESIAN RECEPTORS ***

(X-COORD,

Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

(486900.0, 3666950.0,	199.3,	203.0,
0.0);	(487150.0, 3666950.0,	197.0,
197.0,	0.0);	
(487400.0, 3666950.0,	217.7,	220.0,
0.0);	(487650.0, 3666950.0,	225.8,
225.8,	0.0);	
(487900.0, 3666950.0,	221.8,	221.8,
0.0);	(488150.0, 3666950.0,	217.8,
226.0,	0.0);	
(488400.0, 3666950.0,	227.9,	229.0,
0.0);	(488650.0, 3666950.0,	225.1,
225.1,	0.0);	
(488900.0, 3666950.0,	220.7,	240.0,
0.0);	(489150.0, 3666950.0,	225.1,
290.0,	0.0);	
(489400.0, 3666950.0,	217.6,	290.0,
0.0);	(489650.0, 3666950.0,	226.3,
290.0,	0.0);	
(489900.0, 3666950.0,	240.5,	240.5,
0.0);	(490150.0, 3666950.0,	225.9,
243.0,	0.0);	
(490400.0, 3666950.0,	229.6,	229.6,
0.0);	(490650.0, 3666950.0,	213.9,

Villages Escondido Construction PM

234.0, 0.0);
 (490900.0, 3666950.0, 205.8, 234.0,
 0.0); (491150.0, 3666950.0, 204.0,
 204.0, 0.0);
 (491400.0, 3666950.0, 210.8, 210.8,
 0.0); (486900.0, 3667200.0, 191.5,
 191.5, 0.0);
 (487150.0, 3667200.0, 192.5, 192.5,
 0.0); (490900.0, 3667200.0, 205.5,
 205.5, 0.0);
 (491150.0, 3667200.0, 204.0, 204.0,
 0.0); (491400.0, 3667200.0, 212.7,
 212.7, 0.0);
 (486900.0, 3667450.0, 207.6, 207.6,
 0.0); (487150.0, 3667450.0, 197.0,
 197.0, 0.0);
 (490900.0, 3667450.0, 214.0, 247.0,
 0.0); (491150.0, 3667450.0, 211.8,
 228.0, 0.0);
 (491400.0, 3667450.0, 208.3, 300.0,
 0.0); (486900.0, 3667700.0, 210.9,
 226.0, 0.0);
 (487150.0, 3667700.0, 205.3, 205.3,
 0.0); (490900.0, 3667700.0, 230.6,
 256.0, 0.0);
 (491150.0, 3667700.0, 223.8, 238.0,
 0.0); (491400.0, 3667700.0, 208.4,
 300.0, 0.0);
 (486900.0, 3667950.0, 211.3, 400.0,
 0.0); (487150.0, 3667950.0, 217.5,
 400.0, 0.0);
 (490900.0, 3667950.0, 242.5, 256.0,
 0.0); (491150.0, 3667950.0, 215.3,
 256.0, 0.0);
 (491400.0, 3667950.0, 210.0, 300.0,

Villages Escondido Construction PM

```

0.0);          ( 486900.0, 3668200.0,      215.9,
400.0,          0.0);
      ( 487150.0, 3668200.0,      229.5,      400.0,
0.0);          ( 490900.0, 3668200.0,      226.0,
270.0,          0.0);
      ( 491150.0, 3668200.0,      212.9,      255.0,
0.0);          ( 491400.0, 3668200.0,      213.6,
300.0,          0.0);
      ( 486900.0, 3668450.0,      214.1,      400.0,
0.0);          ( 487150.0, 3668450.0,      212.1,
409.0,          0.0);
      ( 490900.0, 3668450.0,      219.0,      348.0,
0.0);          ( 491150.0, 3668450.0,      215.7,
215.7,          0.0);
      ( 491400.0, 3668450.0,      213.0,      300.0,
0.0);          ( 486900.0, 3668700.0,      221.2,
465.0,          0.0);
      ( 487150.0, 3668700.0,      220.9,      465.0,
0.0);          ( 490900.0, 3668700.0,      234.1,
348.0,          0.0);
      ( 491150.0, 3668700.0,      221.0,      348.0,
0.0);          ( 491400.0, 3668700.0,      216.3,
348.0,          0.0);
      ( 486900.0, 3668950.0,      235.9,      465.0,
0.0);          ( 487150.0, 3668950.0,      237.4,
465.0,          0.0);
      ( 490900.0, 3668950.0,      236.3,      348.0,
0.0);          ( 491150.0, 3668950.0,      219.0,
348.0,          0.0);
      ( 491400.0, 3668950.0,      219.0,      564.0,
0.0);          ( 486900.0, 3669200.0,      255.0,
465.0,          0.0);
      ( 487150.0, 3669200.0,      309.0,      400.0,
0.0);          ( 490900.0, 3669200.0,      244.3,
348.0,          0.0);

```


Villages Escondido Construction PM

```

( 491150.0, 3669200.0,      228.9,      348.0,
0.0);      ( 491400.0, 3669200.0,      224.0,
564.0,      0.0);
( 486900.0, 3669450.0,      302.0,      403.0,
0.0);      ( 487150.0, 3669450.0,      366.3,
400.0,      0.0);
( 490900.0, 3669450.0,      258.9,      348.0,
0.0);      ( 491150.0, 3669450.0,      247.6,
348.0,      0.0);
( 491400.0, 3669450.0,      230.0,      564.0,
0.0);      ( 486900.0, 3669700.0,      359.0,
400.0,      0.0);
( 487150.0, 3669700.0,      395.2,      396.0,
0.0);      ( 490900.0, 3669700.0,      298.3,
348.0,      0.0);
( 491150.0, 3669700.0,      269.5,      348.0,
0.0);      ( 491400.0, 3669700.0,      232.3,
564.0,      0.0);
( 486900.0, 3669950.0,      356.4,      400.0,
0.0);      ( 487150.0, 3669950.0,      395.2,
395.2,      0.0);
( 490900.0, 3669950.0,      263.3,      348.0,
0.0);      ( 491150.0, 3669950.0,      243.9,
564.0,      0.0);
( 491400.0, 3669950.0,      229.3,      564.0,
0.0);      ( 486900.0, 3670200.0,      323.4,
465.0,      0.0);
( 487150.0, 3670200.0,      387.7,      398.0,
0.0);      ( 490900.0, 3670200.0,      237.9,
564.0,      0.0);
( 491150.0, 3670200.0,      234.8,      564.0,
0.0);      ( 491400.0, 3670200.0,      231.0,
635.0,      0.0);
( 486900.0, 3670450.0,      282.8,      488.0,
0.0);      ( 487150.0, 3670450.0,      323.8,

```

Villages Escondido Construction PM

488.0, 0.0);
(487400.0, 3670450.0, 380.4, 465.0,
0.0); (487650.0, 3670450.0, 412.8,
465.0, 0.0);
(487900.0, 3670450.0, 357.2, 488.0,
0.0); (488150.0, 3670450.0, 331.7,
488.0, 0.0);

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
View\Villages Escondido Construction PM\Villages Esc ***
05/09/17

*** AERMET - VERSION 15181 *** ***

18:49:27

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

DISCRETE CARTESIAN RECEPTORS ***

(X-COORD,

Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

(488400.0, 3670450.0, 359.8, 465.0,
0.0); (488650.0, 3670450.0, 381.8,
463.0, 0.0);
(488900.0, 3670450.0, 396.5, 463.0,
0.0); (489150.0, 3670450.0, 352.8,
463.0, 0.0);
(489400.0, 3670450.0, 330.5, 463.0,
0.0); (489650.0, 3670450.0, 281.6,
465.0, 0.0);

Villages Escondido Construction PM

(489900.0, 3670450.0,	269.0,	536.0,
0.0);	(490150.0, 3670450.0,	245.9,
536.0,	0.0);	
(490400.0, 3670450.0,	255.1,	536.0,
0.0);	(490650.0, 3670450.0,	266.1,
536.0,	0.0);	
(490900.0, 3670450.0,	270.4,	446.0,
0.0);	(491150.0, 3670450.0,	238.7,
635.0,	0.0);	
(491400.0, 3670450.0,	231.3,	651.0,
0.0);	(486900.0, 3670700.0,	242.6,
488.0,	0.0);	
(487150.0, 3670700.0,	262.2,	488.0,
0.0);	(487400.0, 3670700.0,	298.2,
488.0,	0.0);	
(487650.0, 3670700.0,	362.4,	488.0,
0.0);	(487900.0, 3670700.0,	414.3,
465.0,	0.0);	
(488150.0, 3670700.0,	444.9,	460.0,
0.0);	(488400.0, 3670700.0,	417.3,
463.0,	0.0);	
(488650.0, 3670700.0,	430.6,	463.0,
0.0);	(488900.0, 3670700.0,	402.9,
463.0,	0.0);	
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0.0);	(489400.0, 3670700.0,	282.0,
536.0,	0.0);	
(489650.0, 3670700.0,	268.8,	536.0,
0.0);	(489900.0, 3670700.0,	253.1,
536.0,	0.0);	
(490150.0, 3670700.0,	269.9,	536.0,
0.0);	(490400.0, 3670700.0,	272.0,
536.0,	0.0);	
(490650.0, 3670700.0,	289.0,	536.0,
0.0);	(490900.0, 3670700.0,	286.7,

Villages Escondido Construction PM

536.0, 0.0);
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 0.0); (491400.0, 3670700.0, 241.5,
 651.0, 0.0);
 (485900.0, 3665700.0, 220.0, 525.0,
 0.0); (486400.0, 3665700.0, 239.4,
 525.0, 0.0);
 (486900.0, 3665700.0, 220.8, 525.0,
 0.0); (487400.0, 3665700.0, 222.6,
 525.0, 0.0);
 (487900.0, 3665700.0, 220.6, 245.0,
 0.0); (488400.0, 3665700.0, 213.5,
 272.0, 0.0);
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 0.0); (489400.0, 3665700.0, 207.5,
 290.0, 0.0);
 (489900.0, 3665700.0, 216.1, 251.0,
 0.0); (490400.0, 3665700.0, 206.1,
 251.0, 0.0);
 (490900.0, 3665700.0, 205.5, 227.0,
 0.0); (491400.0, 3665700.0, 200.6,
 200.6, 0.0);
 (491900.0, 3665700.0, 198.7, 198.7,
 0.0); (492400.0, 3665700.0, 200.0,
 200.0, 0.0);
 (485900.0, 3666200.0, 200.9, 525.0,
 0.0); (486400.0, 3666200.0, 213.7,
 525.0, 0.0);
 (486900.0, 3666200.0, 239.8, 262.0,
 0.0); (487400.0, 3666200.0, 217.3,
 262.0, 0.0);
 (487900.0, 3666200.0, 208.9, 216.0,
 0.0); (488400.0, 3666200.0, 218.5,
 234.0, 0.0);
 (488900.0, 3666200.0, 213.9, 290.0,

Villages Escondido Construction PM

0.0); (489400.0, 3666200.0, 246.5,
290.0, 0.0);
(489900.0, 3666200.0, 234.3, 290.0,
0.0); (490400.0, 3666200.0, 210.2,
227.0, 0.0);
(490900.0, 3666200.0, 232.9, 245.0,
0.0); (491400.0, 3666200.0, 202.0,
244.0, 0.0);
(491900.0, 3666200.0, 202.0, 202.0,
0.0); (492400.0, 3666200.0, 201.0,
201.0, 0.0);
(485900.0, 3666700.0, 203.8, 203.8,
0.0); (486400.0, 3666700.0, 201.2,
201.2, 0.0);
(491900.0, 3666700.0, 205.8, 205.8,
0.0); (492400.0, 3666700.0, 203.8,
203.8, 0.0);
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0.0); (486400.0, 3667200.0, 186.0,
206.0, 0.0);
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0.0); (492400.0, 3667200.0, 212.0,
328.0, 0.0);
(485900.0, 3667700.0, 186.1, 220.0,
0.0); (486400.0, 3667700.0, 198.0,
228.0, 0.0);
(491900.0, 3667700.0, 243.2, 300.0,
0.0); (492400.0, 3667700.0, 233.4,
328.0, 0.0);
(485900.0, 3668200.0, 212.1, 214.0,
0.0); (486400.0, 3668200.0, 217.9,
400.0, 0.0);
(491900.0, 3668200.0, 235.2, 328.0,
0.0); (492400.0, 3668200.0, 270.2,
328.0, 0.0);

Villages Escondido Construction PM

```
( 485900.0, 3668700.0, 208.0, 400.0,
0.0); ( 486400.0, 3668700.0, 210.1,
405.0, 0.0);
( 491900.0, 3668700.0, 222.2, 564.0,
0.0); ( 492400.0, 3668700.0, 227.1,
564.0, 0.0);
( 485900.0, 3669200.0, 218.4, 400.0,
0.0); ( 486400.0, 3669200.0, 234.6,
465.0, 0.0);
( 491900.0, 3669200.0, 222.4, 564.0,
0.0); ( 492400.0, 3669200.0, 240.9,
564.0, 0.0);
( 485900.0, 3669700.0, 220.5, 465.0,
0.0); ( 486400.0, 3669700.0, 255.9,
465.0, 0.0);
( 491900.0, 3669700.0, 228.8, 635.0,
0.0); ( 492400.0, 3669700.0, 229.0,
635.0, 0.0);
( 485900.0, 3670200.0, 208.0, 488.0,
0.0); ( 486400.0, 3670200.0, 231.6,
488.0, 0.0);
```

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
View\Villages Escondido Construction PM\Villages Esc ***
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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

DISCRETE CARTESIAN RECEPTORS ***

Villages Escondido Construction PM

(X-COORD,

Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

```

( 491900.0, 3670200.0, 227.5, 651.0,
0.0); ( 492400.0, 3670200.0, 231.0,
651.0, 0.0);
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0.0); ( 486400.0, 3670700.0, 220.0,
488.0, 0.0);
( 491900.0, 3670700.0, 235.7, 651.0,
0.0); ( 492400.0, 3670700.0, 238.3,
651.0, 0.0);
( 485900.0, 3671200.0, 213.0, 488.0,
0.0); ( 486400.0, 3671200.0, 220.0,
488.0, 0.0);
( 486900.0, 3671200.0, 237.9, 488.0,
0.0); ( 487400.0, 3671200.0, 278.3,
488.0, 0.0);
( 487900.0, 3671200.0, 342.6, 488.0,
0.0); ( 488400.0, 3671200.0, 448.3,
454.0, 0.0);
( 488900.0, 3671200.0, 378.3, 463.0,
0.0); ( 489400.0, 3671200.0, 291.8,
536.0, 0.0);
( 489900.0, 3671200.0, 289.4, 536.0,
0.0); ( 490400.0, 3671200.0, 286.0,
536.0, 0.0);
( 490900.0, 3671200.0, 257.0, 651.0,
0.0); ( 491400.0, 3671200.0, 237.0,
651.0, 0.0);
( 491900.0, 3671200.0, 247.4, 651.0,
0.0); ( 492400.0, 3671200.0, 256.8,
651.0, 0.0);

```

Villages Escondido Construction PM

```

( 485900.0, 3671700.0, 215.8, 488.0,
0.0); ( 486400.0, 3671700.0, 235.9,
488.0, 0.0);
( 486900.0, 3671700.0, 290.9, 488.0,
0.0); ( 487400.0, 3671700.0, 404.2,
488.0, 0.0);
( 487900.0, 3671700.0, 484.0, 484.0,
0.0); ( 488400.0, 3671700.0, 439.7,
459.0, 0.0);
( 488900.0, 3671700.0, 312.4, 536.0,
0.0); ( 489400.0, 3671700.0, 285.0,
536.0, 0.0);
( 489900.0, 3671700.0, 312.8, 536.0,
0.0); ( 490400.0, 3671700.0, 312.7,
536.0, 0.0);
( 490900.0, 3671700.0, 260.9, 651.0,
0.0); ( 491400.0, 3671700.0, 256.5,
651.0, 0.0);
( 491900.0, 3671700.0, 315.6, 651.0,
0.0); ( 492400.0, 3671700.0, 288.0,
651.0, 0.0);

```

*** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
 View\Villages Escondido Construction PM\Villages Esc ***
 05/09/17

*** AERMET - VERSION 15181 *** ***

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
 RURAL

METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***

Villages Escondido Construction PM

(1=YES ; 0=NO)

[illegible]

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF
FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***

Villages Escondido Construction PM
(METERS/SEC)

1.54,

3.09, 5.14, 8.23, 10.80,

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
View\Villages Escondido Construction PM\Villages Esc ***
05/09/17

*** AERMET - VERSION 15181 *** ***

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

*** UP TO THE FIRST
24 HOURS OF METEOROLOGICAL DATA ***

Surface file: Villages Escondido Construction
PM.SFC Met

Version: 15181

Profile file: Villages Escondido Construction
PM.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 52190 Upper
air station no.: 3190

Name: UNKNOWN

Name: UNKNOWN

Year: 2010

Villages Escondido Construction PM
Year: 2010

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH
M-O	LEN		Z0	BOWEN	ALBEDO	REF	WS	WD	HT	REF TA
HT										
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
10	01	01	1	01	-0.7	0.029	-9.000	-9.000	-999.	12.
	3.4	0.50		1.10	1.00	0.44	104.	10.0	280.4	
	10.0									
10	01	01	1	02	-0.7	0.029	-9.000	-9.000	-999.	12.
	3.4	0.50		1.10	1.00	0.44	91.	10.0	280.4	
	10.0									
10	01	01	1	03	-0.7	0.029	-9.000	-9.000	-999.	12.
	3.4	0.50		1.10	1.00	0.44	110.	10.0	279.8	
	10.0									
10	01	01	1	04	-0.7	0.029	-9.000	-9.000	-999.	12.
	3.4	0.50		1.10	1.00	0.44	93.	10.0	279.2	
	10.0									
10	01	01	1	05	-0.7	0.029	-9.000	-9.000	-999.	12.
	3.4	0.51		1.10	1.00	0.44	275.	10.0	278.6	
	10.0									
10	01	01	1	06	-2.8	0.060	-9.000	-9.000	-999.	35.
	6.8	0.50		1.10	1.00	0.89	107.	10.0	278.1	
	10.0									
10	01	01	1	07	-0.7	0.029	-9.000	-9.000	-999.	12.
	3.3	0.48		1.10	1.00	0.44	182.	10.0	278.1	
	10.0									
10	01	01	1	08	-0.6	0.029	-9.000	-9.000	-999.	12.
	4.1	0.50		1.10	0.50	0.44	104.	10.0	278.6	
	10.0									
10	01	01	1	09	32.5	0.108	0.384	0.012	62.	85.
	-3.4	0.51		1.10	0.30	0.44	277.	10.0	282.5	

Villages Escondido Construction PM

10.0									
10 01 01	1 10	83.9	0.187	0.739	0.009	171.	194.		
-7.0	0.51	1.10	0.23	0.89	279.	10.0	286.4		
10.0									
10 01 01	1 11	120.0	0.362	1.092	0.008	386.	522.		
-35.1	0.51	1.10	0.21	2.23	273.	10.0	290.9		
10.0									
10 01 01	1 12	137.0	0.366	1.272	0.008	535.	532.		
-31.9	0.51	1.10	0.20	2.23	281.	10.0	292.5		
10.0									
10 01 01	1 13	134.9	0.254	1.351	0.008	650.	314.		
-10.7	0.48	1.10	0.20	1.34	269.	10.0	293.6		
10.0									
10 01 01	1 14	114.5	0.253	1.335	0.007	738.	306.		
-12.6	0.51	1.10	0.21	1.34	274.	10.0	295.4		
10.0									
10 01 01	1 15	74.5	0.348	1.184	0.007	791.	493.		
-50.2	0.51	1.10	0.24	2.23	290.	10.0	293.6		
10.0									
10 01 01	1 16	19.9	0.265	0.766	0.007	801.	331.		
-83.2	0.51	1.10	0.34	1.78	280.	10.0	291.4		
10.0									
10 01 01	1 17	-2.6	0.060	-9.000	-9.000	-999.	116.		
7.3	0.51	1.10	0.61	0.89	282.	10.0	290.4		
10.0									
10 01 01	1 18	-0.7	0.029	-9.000	-9.000	-999.	29.		
3.5	0.50	1.10	1.00	0.44	134.	10.0	289.8		
10.0									
10 01 01	1 19	-0.7	0.029	-9.000	-9.000	-999.	12.		
3.4	0.51	1.10	1.00	0.44	309.	10.0	288.6		
10.0									
10 01 01	1 20	-0.7	0.029	-9.000	-9.000	-999.	12.		
3.4	0.51	1.10	1.00	0.44	323.	10.0	287.5		
10.0									
10 01 01	1 21	-0.6	0.029	-9.000	-9.000	-999.	12.		

Villages Escondido Construction PM

3.3	0.47	1.10	1.00	0.44	12.	10.0	285.9
10.0							
10	01	01	1	22	-2.7	0.060	-9.000 -9.000 -999. 35.
6.9	0.50	1.10	1.00	0.89	101.	10.0	285.4
10.0							
10	01	01	1	23	-2.6	0.058	-9.000 -9.000 -999. 34.
6.7	0.48	1.10	1.00	0.89	263.	10.0	284.2
10.0							
10	01	01	1	24	-2.7	0.060	-9.000 -9.000 -999. 35.
6.9	0.50	1.10	1.00	0.89	117.	10.0	283.1
10.0							

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA
10	01	01	01	10.0	1	104.	0.44	280.4	18.0
-99.00				0.20					

F indicates top of profile (=1) or below (=0)

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
View\Villages Escondido Construction PM\Villages Esc ***
05/09/17

*** AERMET - VERSION 15181 *** ***

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

*** THE PERIOD (26304
HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
ALL ***

INCLUDING SOURCE (S) :

/

DISCRETE CARTESIAN RECEPTOR POINTS ***

CONC

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Villages Escondido Construction PM

488543.48	3668703.23	8.91162
488463.99	3668660.52	5.15164
488365.52	3668729.33	5.24401
488461.62	3668863.39	7.06470
488460.43	3668865.77	6.88377
488386.87	3668950.00	4.94805
488404.67	3668971.36	5.87779
488405.14	3669350.53	4.60644
488429.34	3669345.31	6.04402
488453.55	3669340.09	6.94896
488477.75	3669334.87	7.54375
488496.02	3669313.04	8.79552
488498.40	3669277.45	10.04487
488522.91	3669254.51	10.91111
488539.13	3669250.55	11.06632
488566.81	3669264.40	9.23292
488578.28	3669282.19	7.94787
488589.75	3669299.99	7.08867
488601.21	3669317.79	6.41913
488612.68	3669335.58	5.85653
488641.16	3669358.12	6.17740
488658.16	3669362.87	6.60127
488698.90	3669334.99	9.90855

Villages Escondido Construction PM

488712.26	3669301.49	10.50476
488705.46	3669278.08	10.75829
488698.65	3669254.67	10.94699
488691.85	3669231.25	11.18369
488685.05	3669207.84	11.30971
488678.25	3669184.43	11.40395
488671.45	3669161.02	11.46971
488664.64	3669137.61	11.49885
488657.84	3669114.20	11.45691
488651.04	3669090.79	11.42694
488644.24	3669067.38	11.39682
488637.44	3669043.96	11.37267
488630.63	3669020.55	11.39932
488623.83	3668997.14	11.55319
488631.35	3668955.43	11.98471
488645.67	3668937.12	12.07415
488659.99	3668918.82	12.20873
488674.32	3668900.51	12.35035
488688.64	3668882.21	12.46530
488702.96	3668863.90	12.53907
488717.28	3668845.60	12.59138
488731.60	3668827.30	12.66909
488745.92	3668808.99	12.75910

Villages Escondido Construction PM		
488760.24	3668790.69	12.83846
488774.57	3668772.38	13.03026
488788.89	3668754.08	13.22788
488803.21	3668735.77	13.51197
488808.63	3668694.93	13.95743
488799.74	3668672.39	13.28202
488790.84	3668649.84	11.48006
488763.17	3668641.54	8.33632
488744.41	3668655.77	8.15569
488725.64	3668670.01	7.94357
488706.87	3668684.25	7.74737
488688.11	3668698.49	7.63394
488669.34	3668712.72	7.61855
488650.58	3668726.96	7.72363
488631.81	3668741.20	7.98024
488613.04	3668755.44	8.45307
488594.28	3668769.67	9.37606
488559.30	3668770.07	11.13695
488543.08	3668756.22	11.13811
488535.18	3668722.81	10.69747

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
 View\Villages Escondido Construction PM\Villages Esc ***
 05/09/17

*** AERMET - VERSION 15181 *** ***

Villages Escondido Construction PM
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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

*** THE PERIOD (26304
HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
ALL ***

INCLUDING SOURCE(S) :
PAREA1 , PAREA2 , PAREA3 , PAREA4
,

DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10
IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC
X-COORD (M)	Y-COORD (M)	CONC
488523.61	3668692.55	8.60043
488503.74	3668681.88	8.00437
488483.86	3668671.20	6.96640
488444.30	3668674.28	5.52366
488424.60	3668688.04	5.67384
488404.91	3668701.81	5.68377
488385.21	3668715.57	5.54655

Villages Escondido Construction PM

488379.25	3668748.48	5.99854
488392.98	3668767.63	6.44280
488406.71	3668786.78	6.65229
488420.43	3668805.94	6.75117
488434.16	3668825.09	6.78614
488447.89	3668844.24	6.82920
488445.72	3668882.62	5.93690
488431.01	3668899.46	5.59861
488416.29	3668916.31	5.40204
488401.58	3668933.15	5.21941
488395.77	3668960.68	5.40471
488403.19	3668995.38	5.44764
488401.70	3669019.41	5.34173
488400.22	3669043.43	5.27778
488398.74	3669067.46	5.22950
488397.25	3669091.48	5.16643
488395.77	3669115.51	5.09255
488394.29	3669139.53	5.00719
488392.81	3669163.56	4.89782
488391.32	3669187.58	4.76292
488389.84	3669211.60	4.58749
488388.36	3669235.63	4.38381
488386.87	3669259.65	4.18054

Villages Escondido Construction PM		
488385.39	3669283.68	4.00408
488383.91	3669307.70	3.82886
488382.42	3669331.73	3.46481
488797.48	3668630.57	9.70181
488828.33	3668698.20	14.05916
489130.90	3668812.11	14.53640
489123.78	3668844.15	8.43670
489254.30	3668838.21	15.62302
489336.17	3668916.53	6.56639
489437.02	3668947.37	6.66413
489527.20	3668963.99	6.45966
489533.13	3668904.66	8.64815
489450.08	3668853.64	12.97188
489563.98	3668802.62	13.06718
489620.94	3668844.15	9.64743
489661.28	3668880.93	9.25881
489664.84	3668922.46	9.05525
489547.37	3668905.85	8.03687
489548.56	3668946.19	7.49698
489804.85	3669012.63	6.82555
489764.51	3668908.22	11.40227
489763.32	3668800.24	12.35349
489607.88	3668757.53	18.31610
489253.11	3668778.89	20.78501

Villages Escondido Construction PM

489026.48	3668628.20	15.40028
488852.06	3668610.40	10.29313
488807.76	3668653.11	12.48335
488818.05	3668675.66	13.89530
488851.60	3668706.96	15.36344
488874.88	3668715.72	15.95250
488898.15	3668724.49	16.27376
488921.43	3668733.25	16.53350
488944.70	3668742.01	16.73905
488967.98	3668750.77	16.89388
488991.25	3668759.54	16.98467
489014.53	3668768.30	17.00834
489037.80	3668777.06	16.97943
489061.08	3668785.82	16.41613
489084.35	3668794.59	16.01703
489107.63	3668803.35	15.60643
489127.34	3668828.13	10.68696
489145.53	3668843.16	10.51448
489167.29	3668842.17	12.30534
489189.04	3668841.18	13.38458
489210.79	3668840.19	14.29948
489232.55	3668839.20	15.05651
489270.67	3668853.87	11.62117

Villages Escondido Construction PM
489287.05 3668869.54 9.61409

489303.42 3668885.20 8.48812
489319.80 3668900.87 7.46389

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
View\Villages Escondido Construction PM\Villages Esc ***
05/09/17

*** AERMET - VERSION 15181 *** ***

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

*** THE PERIOD (26304
HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
ALL ***

INCLUDING SOURCE(S) :

PAREA1 , PAREA2 , PAREA3 , PAREA4

,

DISCRETE CARTESIAN RECEPTOR POINTS ***

IN MICROGRAMS/M**3 ** CONC OF PM_10
**

X-COORD (M)	Y-COORD (M)	CONC
X-COORD (M)	Y-COORD (M)	CONC

- - - - -	- - - - -	- - - - -
- - - - -	- - - - -	- - - - -
- - - - -	- - - - -	- - - - -

Villages Escondido Construction PM		
489356.34	3668922.70	6.99938
489376.51	3668928.87	7.13651
489396.68	3668935.03	7.09555
489416.85	3668941.20	6.89514
489459.57	3668951.53	6.74943
489482.11	3668955.68	6.75606
489504.66	3668959.84	6.68557
489529.18	3668944.21	8.20909
489531.15	3668924.44	8.90677
489512.37	3668891.91	9.07511
489491.61	3668879.15	9.76690
489470.84	3668866.40	11.13888
489472.86	3668843.44	12.43467
489495.64	3668833.23	12.05634
489518.42	3668823.03	12.07065
489541.20	3668812.82	12.50329
489582.97	3668816.46	10.84391
489601.95	3668830.31	9.88093
489634.39	3668856.41	9.70525
489647.83	3668868.67	9.59118
489663.06	3668901.70	8.45441
489641.35	3668919.14	8.65954
489617.85	3668915.82	8.20509
489594.36	3668912.49	7.79154

Villages Escondido Construction PM

489570.86	3668909.17	7.56327
489547.96	3668926.02	8.28123
489571.86	3668952.23	7.16959
489595.16	3668958.27	7.16982
489618.46	3668964.31	7.20953
489641.76	3668970.35	7.30088
489665.06	3668976.39	7.49590
489688.35	3668982.43	7.70271
489711.65	3668988.47	7.72806
489734.95	3668994.51	7.64957
489758.25	3669000.55	7.45673
489781.55	3669006.59	7.31282
489796.78	3668991.75	8.75236
489788.71	3668970.87	9.70198
489780.65	3668949.98	10.34433
489772.58	3668929.10	10.95456
489764.27	3668886.62	11.80235
489764.03	3668865.03	12.36698
489763.80	3668843.43	12.71106
489763.56	3668821.84	12.94281
489741.11	3668794.14	13.26482
489718.91	3668788.04	14.00577
489696.70	3668781.94	14.68421

Villages Escondido Construction PM

489674.50	3668775.83	15.80510
489652.29	3668769.73	16.86640
489630.09	3668763.63	17.70585
489584.23	3668758.95	17.84989
489560.58	3668760.38	17.72014
489536.93	3668761.80	17.91462
489513.27	3668763.23	18.77336
489489.62	3668764.65	18.69918
489465.97	3668766.07	18.54825
489442.32	3668767.50	18.64858
489418.67	3668768.92	18.83311
489395.02	3668770.35	18.60337
489371.37	3668771.77	17.60642
489347.72	3668773.19	17.77717
489324.06	3668774.62	17.65378
489300.41	3668776.04	17.72909
489276.76	3668777.47	18.35095
489232.51	3668765.19	20.32272
489211.90	3668751.49	20.10321
489191.30	3668737.79	19.74913
489170.70	3668724.09	19.73357
489150.10	3668710.39	19.88235
489129.49	3668696.70	19.92856

Villages Escondido Construction PM		
489108.89	3668683.00	19.69191
489088.29	3668669.30	19.72107
489067.69	3668655.60	19.75564
489047.08	3668641.90	18.54999
489004.68	3668625.98	15.28728
488982.88	3668623.75	15.11795
488961.07	3668621.53	14.60106
488939.27	3668619.30	14.15374
488917.47	3668617.08	13.69263
488895.67	3668614.85	13.03421

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
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*** AERMET - VERSION 15181 *** ***

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
 RURAL

*** THE PERIOD (26304
 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
 ALL ***

INCLUDING SOURCE(S) :

PAREA1 , PAREA2 , PAREA3 , PAREA4

,

Villages Escondido Construction PM
DISCRETE CARTESIAN RECEPTOR POINTS ***

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** CONC OF PM_10
IN MICROGRAMS/M**3

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X-COORD (M)		Y-COORD (M)		CONC
X-COORD (M)		Y-COORD (M)		CONC

488873.86		3668612.63		12.07500
488833.87		3668617.12		10.28638
488815.67		3668623.85		9.91178
489318.37		3668738.55		15.23889
489800.10		3668712.44		27.50714
489797.73		3668618.71		17.82880
489732.47		3668618.71		25.44632
489574.66		3668596.16		21.73172
489381.26		3668618.71		37.80611
489348.03		3668519.04		17.85490
489318.37		3668517.85		18.81622
489275.65		3668558.19		31.38534
489381.26		3668680.40		25.90889
489342.46		3668737.24		19.49709
489366.54		3668735.94		24.69187
489390.63		3668734.63		28.37020
489414.72		3668733.33		31.07146

Villages Escondido Construction PM

489438.80	3668732.02	33.06995
489462.89	3668730.72	34.42643
489486.98	3668729.41	34.86076
489511.06	3668728.11	35.16906
489535.15	3668726.80	35.75492
489559.24	3668725.49	36.30981
489583.32	3668724.19	36.41555
489607.41	3668722.88	36.35107
489631.49	3668721.58	36.23062
489655.58	3668720.27	36.06205
489679.67	3668718.97	35.83230
489703.75	3668717.66	34.33108
489727.84	3668716.36	33.88590
489751.93	3668715.05	31.79337
489776.01	3668713.75	30.12752
489799.51	3668689.01	32.75141
489798.92	3668665.58	33.36314
489798.32	3668642.14	30.08955
489775.98	3668618.71	21.23009
489754.22	3668618.71	23.19679
489709.93	3668615.49	25.63041
489687.38	3668612.27	25.54921
489664.84	3668609.05	25.16941

Villages Escondido Construction PM		
489642.29	3668605.82	25.20929
489619.75	3668602.60	25.01836
489597.20	3668599.38	24.03282
489550.49	3668598.98	22.89690
489526.31	3668601.80	23.83952
489502.14	3668604.62	24.60552
489477.96	3668607.44	25.46958
489453.79	3668610.25	26.52503
489429.61	3668613.07	28.00857
489405.44	3668615.89	31.06691
489374.61	3668598.78	37.57350
489367.97	3668578.84	35.84215
489361.32	3668558.91	30.82452
489354.68	3668538.97	25.79586
489333.20	3668518.45	18.58630
489304.13	3668531.30	22.42512
489289.89	3668544.74	25.98292
489290.74	3668575.65	30.56308
489305.82	3668593.11	29.46948
489320.91	3668610.57	27.33191
489336.00	3668628.02	26.87580
489351.09	3668645.48	26.54390
489366.17	3668662.94	25.05722
489365.54	3668694.94	20.76148

Villages Escondido Construction PM

489349.82	3668709.47	18.64196
489334.09	3668724.01	16.94102
489128.52	3668606.84	16.74526
489181.92	3668659.05	16.87939
489194.97	3668625.82	30.94595
489279.21	3668589.04	31.17661
489218.70	3668444.28	29.34637
489186.66	3668427.67	34.00309
489141.58	3668345.80	29.19268
489015.80	3668202.23	12.68415
488981.39	3668193.93	6.64840
488945.80	3668215.28	7.62706
488943.43	3668281.73	10.93641
489047.84	3668481.07	17.17427
489143.95	3668592.60	22.05596
489146.32	3668624.24	19.15811

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
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 05/09/17

*** AERMET - VERSION 15181 *** ***

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV

Villages Escondido Construction PM

RURAL

*** THE PERIOD (26304
HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
ALL ***

INCLUDING SOURCE(S) :

PAREA1 , PAREA2 , PAREA3 , PAREA4

,

DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10

IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC
X-COORD (M)	Y-COORD (M)	CONC
489164.12	3668641.65	19.14191
489188.44	3668642.43	25.91198
489216.03	3668616.63	31.85636
489237.09	3668607.43	32.54595
489258.15	3668598.24	32.91135
489270.57	3668568.36	34.23145
489261.92	3668547.68	36.01129
489253.28	3668527.00	38.16851
489244.63	3668506.32	36.84588
489235.99	3668485.64	34.95722

Villages Escondido Construction PM		
489227.34	3668464.96	33.47980
489202.68	3668435.97	31.19826
489175.39	3668407.20	32.89099
489164.12	3668386.74	32.04807
489152.85	3668366.27	30.90704
489125.86	3668327.85	28.62222
489110.14	3668309.91	27.40913
489094.41	3668291.96	25.74226
489078.69	3668274.01	24.61289
489062.97	3668256.07	23.88304
489047.25	3668238.12	22.30696
489031.52	3668220.18	19.20342
488998.60	3668198.08	10.12282
488963.60	3668204.61	7.45143
488945.01	3668237.43	9.34755
488944.22	3668259.58	10.36813
488953.87	3668301.66	12.58140
488964.31	3668321.60	13.62860
488974.75	3668341.53	14.47875
488985.19	3668361.47	15.22640
488995.64	3668381.40	15.63594
489006.08	3668401.33	15.98650
489016.52	3668421.27	16.36435
489026.96	3668441.20	16.75725

Villages Escondido Construction PM

489037.40	3668461.14	17.09357
489063.86	3668499.66	18.88893
489079.88	3668518.25	19.78980
489095.90	3668536.84	20.16719
489111.91	3668555.42	20.67920
489127.93	3668574.01	21.45463
489888.94	3666546.23	0.14455
489930.30	3666581.98	0.15086
489969.56	3666614.93	0.15534
490007.42	3666647.88	0.15535
490057.19	3666685.04	0.16011
489965.00	3666889.36	0.15147
490016.76	3666941.12	0.15793
490072.05	3666985.82	0.17780
490116.75	3667029.35	0.19728
490166.15	3667071.70	0.20968
486874.66	3668440.12	1.04844
486914.67	3668473.06	1.07387
486942.91	3668497.77	1.09292
486934.67	3668534.25	1.08251
486922.90	3668570.73	1.06589
491375.67	3670248.85	0.49507
491356.08	3670281.50	0.48103

Villages Escondido Construction PM

491170.81	3669198.86	1.10153
491200.34	3669192.52	1.09062
491461.35	3668645.73	0.90221
491454.20	3668579.93	0.86836
491437.26	3668491.67	0.82581
491445.17	3668428.42	0.78678
491457.47	3668354.63	0.73609
491560.16	3668346.02	0.69471
491566.13	3668294.50	0.66146
491571.36	3668251.94	0.63610
491577.33	3668211.62	0.61220
491584.80	3668165.32	0.58633
491249.31	3667910.56	0.51602
491207.68	3667879.34	0.50340
491323.89	3667091.94	0.21825
491221.56	3667844.65	0.48315
491240.64	3667811.70	0.46296
491254.51	3667770.07	0.43959
491270.12	3667721.51	0.41639
491278.79	3667681.62	0.39833
491289.20	3667643.46	0.38250
491299.89	3667604.86	0.36733
491312.43	3667562.26	0.34933

Villages Escondido Construction PM

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View\Villages Escondido Construction PM\Villages Esc ***
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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

*** THE PERIOD (26304
HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
ALL ***

INCLUDING SOURCE(S) :

PAREA1 , PAREA2 , PAREA3 , PAREA4

DISCRETE CARTESIAN RECEPTOR POINTS ***

IN MICROGRAMS/M**3 ** CONC OF PM_10
**

X-COORD (M)	Y-COORD (M)	CONC
X-COORD (M)	Y-COORD (M)	CONC
491304.91	3667523.41	0.33645
491309.44	3667486.16	0.32452
491314.81	3667453.06	0.31474
491316.97	3667414.40	0.30220

Villages Escondido Construction PM

491319.03	3667372.70	0.28911
491318.10	3667334.18	0.27901
491319.41	3667295.58	0.26925
491319.41	3667258.29	0.25870
491318.10	3667219.04	0.24807
491318.56	3667183.13	0.23900
491320.22	3667139.20	0.22855
487900.00	3667700.00	1.15945
487950.00	3667700.00	1.16345
488000.00	3667700.00	1.16978
488050.00	3667700.00	1.17085
488100.00	3667700.00	1.17166
488150.00	3667700.00	1.17062
488200.00	3667700.00	1.16819
488250.00	3667700.00	1.16725
488300.00	3667700.00	1.15977
488350.00	3667700.00	1.13586
488400.00	3667700.00	1.09473
488450.00	3667700.00	1.05755
488500.00	3667700.00	1.00739
488550.00	3667700.00	0.95764
488600.00	3667700.00	0.90257
488650.00	3667700.00	0.84740

Villages Escondido Construction PM

488700.00	3667700.00	0.80408
488750.00	3667700.00	0.78221
488800.00	3667700.00	0.75415
488850.00	3667700.00	0.73107
488900.00	3667700.00	0.71617
488950.00	3667700.00	0.70200
489000.00	3667700.00	0.66889
489050.00	3667700.00	0.64595
489100.00	3667700.00	0.61571
489150.00	3667700.00	0.58388
489200.00	3667700.00	0.55879
489250.00	3667700.00	0.54462
489300.00	3667700.00	0.53623
489350.00	3667700.00	0.52582
489400.00	3667700.00	0.52465
489450.00	3667700.00	0.53504
489500.00	3667700.00	0.53791
489550.00	3667700.00	0.54350
489600.00	3667700.00	0.56108
489650.00	3667700.00	0.56267
489700.00	3667700.00	0.55005
489750.00	3667700.00	0.52692
489800.00	3667700.00	0.47650

Villages Escondido Construction PM		
489850.00	3667700.00	0.42999
489900.00	3667700.00	0.35910
489950.00	3667700.00	0.40679
490000.00	3667700.00	0.45382
490050.00	3667700.00	0.49364
490100.00	3667700.00	0.50479
490150.00	3667700.00	0.51034
490200.00	3667700.00	0.51991
490250.00	3667700.00	0.51390
490300.00	3667700.00	0.50438
490350.00	3667700.00	0.49867
487900.00	3667750.00	1.25152
487950.00	3667750.00	1.26347
488000.00	3667750.00	1.27534
488050.00	3667750.00	1.28073
488100.00	3667750.00	1.28993
488150.00	3667750.00	1.29188
488200.00	3667750.00	1.30766
488250.00	3667750.00	1.31729
488300.00	3667750.00	1.31079
488350.00	3667750.00	1.28479
488400.00	3667750.00	1.24972
488450.00	3667750.00	1.20393
488500.00	3667750.00	1.15128

Villages Escondido Construction PM

488550.00	3667750.00	1.09602
488600.00	3667750.00	1.03189
488650.00	3667750.00	0.96762
488700.00	3667750.00	0.90494
488750.00	3667750.00	0.86489
488800.00	3667750.00	0.84247

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
View\Villages Escondido Construction PM\Villages Esc ***
05/09/17

*** AERMET - VERSION 15181 *** ***

18:49:27

PAGE 51

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

*** THE PERIOD (26304
HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
ALL ***

INCLUDING SOURCE(S) :

PAREA1 , PAREA2 , PAREA3 , PAREA4

,

DISCRETE CARTESIAN RECEPTOR POINTS ***

IN MICROGRAMS/M**3 ** CONC OF PM_10
**

Villages Escondido Construction PM

X-COORD (M)	Y-COORD (M)	CONC
X-COORD (M)	Y-COORD (M)	CONC

488850.00	3667750.00	0.82667
488900.00	3667750.00	0.82310
488950.00	3667750.00	0.80465
489000.00	3667750.00	0.77858
489050.00	3667750.00	0.75110
489100.00	3667750.00	0.71772
489150.00	3667750.00	0.63902
489200.00	3667750.00	0.60916
489250.00	3667750.00	0.58871
489300.00	3667750.00	0.58250
489350.00	3667750.00	0.58296
489400.00	3667750.00	0.59521
489450.00	3667750.00	0.61486
489500.00	3667750.00	0.62765
489550.00	3667750.00	0.62575
489600.00	3667750.00	0.62670
489650.00	3667750.00	0.61371
489700.00	3667750.00	0.60012
489750.00	3667750.00	0.57696
489800.00	3667750.00	0.55897

Villages Escondido Construction PM		
489850.00	3667750.00	0.54922
489900.00	3667750.00	0.49535
489950.00	3667750.00	0.46974
490000.00	3667750.00	0.46303
490050.00	3667750.00	0.48317
490100.00	3667750.00	0.50204
490150.00	3667750.00	0.55102
490200.00	3667750.00	0.56435
490250.00	3667750.00	0.56537
490300.00	3667750.00	0.54367
490350.00	3667750.00	0.54054
487900.00	3667800.00	1.34717
487950.00	3667800.00	1.37015
488000.00	3667800.00	1.39081
488050.00	3667800.00	1.41525
488100.00	3667800.00	1.42746
488150.00	3667800.00	1.44209
488200.00	3667800.00	1.47346
488250.00	3667800.00	1.47981
488300.00	3667800.00	1.50448
488350.00	3667800.00	1.50015
488400.00	3667800.00	1.44748
488450.00	3667800.00	1.38530
488500.00	3667800.00	1.34206

Villages Escondido Construction PM

488550.00	3667800.00	1.26865
488600.00	3667800.00	1.19418
488650.00	3667800.00	1.12046
488700.00	3667800.00	1.04179
488750.00	3667800.00	0.97583
488800.00	3667800.00	0.93451
488850.00	3667800.00	0.90229
488900.00	3667800.00	0.90987
488950.00	3667800.00	0.89978
489000.00	3667800.00	0.87599
489050.00	3667800.00	0.83563
489100.00	3667800.00	0.78066
489150.00	3667800.00	0.70722
489200.00	3667800.00	0.66788
489250.00	3667800.00	0.64563
489300.00	3667800.00	0.63582
489350.00	3667800.00	0.64589
489400.00	3667800.00	0.67666
489450.00	3667800.00	0.71340
489500.00	3667800.00	0.70497
489550.00	3667800.00	0.70057
489600.00	3667800.00	0.68931
489650.00	3667800.00	0.67380

Villages Escondido Construction PM

489700.00	3667800.00	0.65579
489750.00	3667800.00	0.64357
489800.00	3667800.00	0.63588
489850.00	3667800.00	0.62670
489900.00	3667800.00	0.61270
489950.00	3667800.00	0.60054
490000.00	3667800.00	0.59300
490050.00	3667800.00	0.60716
490100.00	3667800.00	0.61486
490150.00	3667800.00	0.62155
490200.00	3667800.00	0.62168
490250.00	3667800.00	0.61331
490300.00	3667800.00	0.59339

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
View\Villages Escondido Construction PM\Villages Esc ***
05/09/17

*** AERMET - VERSION 15181 *** ***

18:49:27

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

*** THE PERIOD (26304
HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
ALL ***

Villages Escondido Construction PM

INCLUDING SOURCE(S) :

PAREA1 , PAREA2 , PAREA3 , PAREA4

DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10

IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC
X-COORD (M)	Y-COORD (M)	CONC
490350.00	3667800.00	0.58690
487900.00	3667850.00	1.44004
487950.00	3667850.00	1.47994
488000.00	3667850.00	1.51358
488050.00	3667850.00	1.57204
488100.00	3667850.00	1.60400
488150.00	3667850.00	1.59158
488200.00	3667850.00	1.61018
488250.00	3667850.00	1.63926
488300.00	3667850.00	1.69003
488350.00	3667850.00	1.69641
488400.00	3667850.00	1.64676
488450.00	3667850.00	1.58923
488500.00	3667850.00	1.53806

Villages Escondido Construction PM

488550.00	3667850.00	1.46854
488600.00	3667850.00	1.39134
488650.00	3667850.00	1.31094
488700.00	3667850.00	1.22475
488750.00	3667850.00	1.15409
488800.00	3667850.00	1.09045
488850.00	3667850.00	1.04614
488900.00	3667850.00	1.02395
488950.00	3667850.00	0.99949
489000.00	3667850.00	0.98074
489050.00	3667850.00	0.91538
489100.00	3667850.00	0.84977
489150.00	3667850.00	0.78661
489200.00	3667850.00	0.74542
489250.00	3667850.00	0.71711
489300.00	3667850.00	0.70594
489350.00	3667850.00	0.72839
489400.00	3667850.00	0.77826
489450.00	3667850.00	0.78894
489500.00	3667850.00	0.78308
489550.00	3667850.00	0.77539
489600.00	3667850.00	0.76008
489650.00	3667850.00	0.74513

Villages Escondido Construction PM

489700.00	3667850.00	0.73147
489750.00	3667850.00	0.72414
489800.00	3667850.00	0.71986
489850.00	3667850.00	0.70990
489900.00	3667850.00	0.69962
489950.00	3667850.00	0.69225
490000.00	3667850.00	0.68870
490050.00	3667850.00	0.68643
490100.00	3667850.00	0.68323
490150.00	3667850.00	0.68266
490200.00	3667850.00	0.67100
490250.00	3667850.00	0.65825
490300.00	3667850.00	0.64481
490350.00	3667850.00	0.64327
487900.00	3667900.00	1.54493
487950.00	3667900.00	1.57728
488000.00	3667900.00	1.61541
488050.00	3667900.00	1.67007
488100.00	3667900.00	1.72836
488150.00	3667900.00	1.74867
488200.00	3667900.00	1.76476
488250.00	3667900.00	1.80728
488300.00	3667900.00	1.85213

Villages Escondido Construction PM		
488350.00	3667900.00	1.89268
488400.00	3667900.00	1.87854
488450.00	3667900.00	1.84504
488500.00	3667900.00	1.77952
488550.00	3667900.00	1.69431
488600.00	3667900.00	1.62202
488650.00	3667900.00	1.54745
488700.00	3667900.00	1.46075
488750.00	3667900.00	1.37399
488800.00	3667900.00	1.29282
488850.00	3667900.00	1.25758
488900.00	3667900.00	1.20835
488950.00	3667900.00	1.17625
489000.00	3667900.00	1.15682
489050.00	3667900.00	1.04526
489100.00	3667900.00	0.96613
489150.00	3667900.00	0.89248
489200.00	3667900.00	0.84287
489250.00	3667900.00	0.81300
489300.00	3667900.00	0.80173

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
 View\Villages Escondido Construction PM\Villages Esc ***
 05/09/17

*** AERMET - VERSION 15181 *** ***

Villages Escondido Construction PM
18:49:27

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

*** THE PERIOD (26304
HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
ALL ***

INCLUDING SOURCE(S) :
PAREA1 , PAREA2 , PAREA3 , PAREA4
,

DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10
IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC
X-COORD (M)	Y-COORD (M)	CONC
489350.00	3667900.00	0.82534
489400.00	3667900.00	0.89954
489450.00	3667900.00	0.89551
489500.00	3667900.00	0.88584
489550.00	3667900.00	0.86526
489600.00	3667900.00	0.85251
489650.00	3667900.00	0.82731

Villages Escondido Construction PM

489700.00	3667900.00	0.81144
489750.00	3667900.00	0.81775
489800.00	3667900.00	0.80759
489850.00	3667900.00	0.78461
489900.00	3667900.00	0.77185
489950.00	3667900.00	0.77074
490000.00	3667900.00	0.77112
490050.00	3667900.00	0.75210
490100.00	3667900.00	0.73411
490150.00	3667900.00	0.73080
490200.00	3667900.00	0.72497
490250.00	3667900.00	0.71741
490300.00	3667900.00	0.71124
490350.00	3667900.00	0.70369
487900.00	3667950.00	1.63981
487950.00	3667950.00	1.67615
488000.00	3667950.00	1.70847
488050.00	3667950.00	1.75299
488100.00	3667950.00	1.82671
488150.00	3667950.00	1.87610
488200.00	3667950.00	1.93324
488250.00	3667950.00	2.01833
488300.00	3667950.00	2.08679

Villages Escondido Construction PM		
488350.00	3667950.00	2.16011
488400.00	3667950.00	2.17957
488450.00	3667950.00	2.14656
488500.00	3667950.00	2.07333
488550.00	3667950.00	1.98048
488600.00	3667950.00	1.90325
488650.00	3667950.00	1.82774
488700.00	3667950.00	1.74621
488750.00	3667950.00	1.65635
488800.00	3667950.00	1.59124
488850.00	3667950.00	1.54530
488900.00	3667950.00	1.52121
488950.00	3667950.00	1.41986
489000.00	3667950.00	1.35184
489050.00	3667950.00	1.26936
489100.00	3667950.00	1.11354
489150.00	3667950.00	1.03980
489200.00	3667950.00	0.98040
489250.00	3667950.00	0.94720
489300.00	3667950.00	0.92909
489350.00	3667950.00	0.94845
489400.00	3667950.00	1.01712
489450.00	3667950.00	1.03193
489500.00	3667950.00	1.02109

Villages Escondido Construction PM

489550.00	3667950.00	0.98970
489600.00	3667950.00	0.95988
489650.00	3667950.00	0.92451
489700.00	3667950.00	0.84310
489750.00	3667950.00	0.89555
489800.00	3667950.00	0.81492
489850.00	3667950.00	0.76968
489900.00	3667950.00	0.77463
489950.00	3667950.00	0.84455
490000.00	3667950.00	0.85312
490050.00	3667950.00	0.84712
490100.00	3667950.00	0.83121
490150.00	3667950.00	0.81134
490200.00	3667950.00	0.79926
490250.00	3667950.00	0.79800
490300.00	3667950.00	0.78575
490350.00	3667950.00	0.77153
487900.00	3668000.00	1.72911
487950.00	3668000.00	1.77955
488000.00	3668000.00	1.82360
488050.00	3668000.00	1.88320
488100.00	3668000.00	1.98600
488150.00	3668000.00	2.06306

Villages Escondido Construction PM
488200.00 3668000.00 2.13719

488250.00 3668000.00 2.24779
488300.00 3668000.00 2.35146

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
View\Villages Escondido Construction PM\Villages Esc ***
05/09/17

*** AERMET - VERSION 15181 *** ***

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PAGE 54

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

*** THE PERIOD (26304
HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
ALL ***

INCLUDING SOURCE(S) :

PAREA1 , PAREA2 , PAREA3 , PAREA4

,

DISCRETE CARTESIAN RECEPTOR POINTS ***

IN MICROGRAMS/M**3 ** CONC OF PM_10
**

X-COORD (M)	Y-COORD (M)	CONC
X-COORD (M)	Y-COORD (M)	CONC

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Villages Escondido Construction PM		
488350.00	3668000.00	2.47014
488400.00	3668000.00	2.57618
488450.00	3668000.00	2.53923
488500.00	3668000.00	2.46101
488550.00	3668000.00	2.35065
488600.00	3668000.00	2.28647
488650.00	3668000.00	2.23859
488700.00	3668000.00	2.11090
488750.00	3668000.00	2.04496
488800.00	3668000.00	1.95123
488850.00	3668000.00	1.88777
488900.00	3668000.00	1.81143
488950.00	3668000.00	1.56811
489000.00	3668000.00	1.41068
489050.00	3668000.00	1.49461
489100.00	3668000.00	1.34345
489150.00	3668000.00	1.22899
489200.00	3668000.00	1.17445
489250.00	3668000.00	1.14186
489300.00	3668000.00	1.17134
489350.00	3668000.00	1.15026
489400.00	3668000.00	1.18496
489450.00	3668000.00	1.22407
489500.00	3668000.00	1.19876

Villages Escondido Construction PM

489550.00	3668000.00	1.14575
489600.00	3668000.00	1.08952
489650.00	3668000.00	0.97188
489700.00	3668000.00	0.88963
489750.00	3668000.00	0.91188
489800.00	3668000.00	0.79243
489850.00	3668000.00	0.64232
489900.00	3668000.00	0.69494
489950.00	3668000.00	0.87061
490000.00	3668000.00	0.92746
490050.00	3668000.00	0.93386
490100.00	3668000.00	0.92771
490150.00	3668000.00	0.90749
490200.00	3668000.00	0.89405
490250.00	3668000.00	0.89089
490300.00	3668000.00	0.87860
490350.00	3668000.00	0.85540
487900.00	3668050.00	1.80989
487950.00	3668050.00	1.87995
488000.00	3668050.00	1.95154
488050.00	3668050.00	2.04216
488100.00	3668050.00	2.17900
488150.00	3668050.00	2.33483

Villages Escondido Construction PM

488200.00	3668050.00	2.43227
488250.00	3668050.00	2.52505
488300.00	3668050.00	2.70106
488350.00	3668050.00	2.83694
488400.00	3668050.00	2.88615
488450.00	3668050.00	2.94628
488500.00	3668050.00	2.83126
488550.00	3668050.00	2.73362
488600.00	3668050.00	2.73665
488650.00	3668050.00	2.75124
488700.00	3668050.00	2.63194
488750.00	3668050.00	2.54360
488800.00	3668050.00	2.43450
488850.00	3668050.00	2.32134
488900.00	3668050.00	2.26829
488950.00	3668050.00	2.00230
489000.00	3668050.00	1.72688
489050.00	3668050.00	1.76976
489100.00	3668050.00	1.66125
489150.00	3668050.00	1.50719
489200.00	3668050.00	1.45992
489250.00	3668050.00	1.44848
489300.00	3668050.00	1.55180

Villages Escondido Construction PM		
489350.00	3668050.00	1.50069
489400.00	3668050.00	1.47929
489450.00	3668050.00	1.44402
489500.00	3668050.00	1.42368
489550.00	3668050.00	1.32457
489600.00	3668050.00	1.18185
489650.00	3668050.00	0.95691
489700.00	3668050.00	0.59494
489750.00	3668050.00	0.81848
489800.00	3668050.00	0.59386

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
 View\Villages Escondido Construction PM\Villages Esc ***
 05/09/17

*** AERMET - VERSION 15181 *** ***

18:49:27

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
 RURAL

*** THE PERIOD (26304
 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
 ALL ***

INCLUDING SOURCE(S) :

PAREA1 , PAREA2 , PAREA3 , PAREA4

,

Villages Escondido Construction PM
DISCRETE CARTESIAN RECEPTOR POINTS ***

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** CONC OF PM_10
IN MICROGRAMS/M**3

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X-COORD (M)		Y-COORD (M)		CONC
X-COORD (M)	Y-COORD (M)	CONC		
489850.00	3668050.00	0.54699		
489900.00	3668050.00	0.65415		
489950.00	3668050.00	0.97085		
490000.00	3668050.00	1.01697		
490050.00	3668050.00	1.04038		
490100.00	3668050.00	1.03446		
490150.00	3668050.00	1.02853		
490200.00	3668050.00	1.01161		
490250.00	3668050.00	0.98487		
490300.00	3668050.00	0.96723		
490350.00	3668050.00	0.94843		
487900.00	3668100.00	1.89298		
487950.00	3668100.00	1.99198		
488000.00	3668100.00	2.06604		
488050.00	3668100.00	2.15332		
488100.00	3668100.00	2.34086		
488150.00	3668100.00	2.55594		

Villages Escondido Construction PM

488200.00	3668100.00	2.72286
488250.00	3668100.00	2.76177
488300.00	3668100.00	2.83384
488350.00	3668100.00	3.02276
488400.00	3668100.00	3.17851
488450.00	3668100.00	3.09688
488500.00	3668100.00	3.07549
488550.00	3668100.00	3.08510
488600.00	3668100.00	3.09713
488650.00	3668100.00	3.15324
488700.00	3668100.00	3.16317
488750.00	3668100.00	3.17582
488800.00	3668100.00	3.11095
488850.00	3668100.00	2.95110
488900.00	3668100.00	2.82181
488950.00	3668100.00	2.66441
489000.00	3668100.00	2.39885
489050.00	3668100.00	2.30197
489100.00	3668100.00	2.10561
489150.00	3668100.00	1.97563
489200.00	3668100.00	1.96807
489250.00	3668100.00	1.99069
489300.00	3668100.00	1.93434

Villages Escondido Construction PM		
489350.00	3668100.00	1.85532
489400.00	3668100.00	1.81990
489450.00	3668100.00	1.67444
489500.00	3668100.00	1.63848
489550.00	3668100.00	1.46574
489600.00	3668100.00	1.17627
489650.00	3668100.00	0.67673
489700.00	3668100.00	0.58915
489750.00	3668100.00	0.70224
489800.00	3668100.00	0.57150
489850.00	3668100.00	0.53819
489900.00	3668100.00	0.69249
489950.00	3668100.00	0.86406
490000.00	3668100.00	1.07067
490050.00	3668100.00	1.13874
490100.00	3668100.00	1.15091
490150.00	3668100.00	1.13492
490200.00	3668100.00	1.10193
490250.00	3668100.00	1.07307
490300.00	3668100.00	1.04439
490350.00	3668100.00	1.02567
487900.00	3668150.00	1.95890
487950.00	3668150.00	2.09298
488000.00	3668150.00	2.20273

Villages Escondido Construction PM

488050.00	3668150.00	2.35757
488100.00	3668150.00	2.52633
488150.00	3668150.00	2.68882
488200.00	3668150.00	2.80962
488250.00	3668150.00	2.75347
488300.00	3668150.00	2.88711
488350.00	3668150.00	3.25235
488400.00	3668150.00	3.23877
488450.00	3668150.00	3.19237
488500.00	3668150.00	3.20736
488550.00	3668150.00	3.29963
488600.00	3668150.00	3.40065
488650.00	3668150.00	3.53376
488700.00	3668150.00	3.71431
488750.00	3668150.00	3.86995
488800.00	3668150.00	3.94708

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
 View\Villages Escondido Construction PM\Villages Esc ***
 05/09/17

*** AERMET - VERSION 15181 *** ***

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV

Villages Escondido Construction PM

RURAL

*** THE PERIOD (26304
HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
ALL ***

INCLUDING SOURCE(S) :

PAREA1 , PAREA2 , PAREA3 , PAREA4

DISCRETE CARTESIAN RECEPTOR POINTS ***

IN MICROGRAMS/M**3 ** CONC OF PM_10
**

X-COORD (M)	Y-COORD (M)	CONC
X-COORD (M)	Y-COORD (M)	CONC
488850.00	3668150.00	3.92770
488900.00	3668150.00	3.73161
488950.00	3668150.00	3.41173
489000.00	3668150.00	3.20442
489050.00	3668150.00	3.31084
489100.00	3668150.00	3.14698
489150.00	3668150.00	2.99428
489200.00	3668150.00	2.97438
489250.00	3668150.00	2.69709
489300.00	3668150.00	2.45156

Villages Escondido Construction PM		
489350.00	3668150.00	2.26532
489400.00	3668150.00	1.95007
489450.00	3668150.00	1.61377
489500.00	3668150.00	1.77650
489550.00	3668150.00	1.65777
489600.00	3668150.00	1.01044
489650.00	3668150.00	0.68578
489700.00	3668150.00	0.70582
489750.00	3668150.00	0.68805
489800.00	3668150.00	0.59412
489850.00	3668150.00	0.55937
489900.00	3668150.00	0.57382
489950.00	3668150.00	0.72833
490000.00	3668150.00	1.05490
490050.00	3668150.00	1.21996
490100.00	3668150.00	1.26170
490150.00	3668150.00	1.24563
490200.00	3668150.00	1.14928
490250.00	3668150.00	1.09090
490300.00	3668150.00	1.06529
490350.00	3668150.00	1.06405
487900.00	3668200.00	1.99800
487950.00	3668200.00	2.15896
488000.00	3668200.00	2.32807

Villages Escondido Construction PM

488050.00	3668200.00	2.48136
488100.00	3668200.00	2.65490
488150.00	3668200.00	2.82389
488200.00	3668200.00	2.92846
488250.00	3668200.00	2.94787
488300.00	3668200.00	3.16423
488350.00	3668200.00	3.29465
488400.00	3668200.00	3.23544
488450.00	3668200.00	3.25175
488500.00	3668200.00	3.35442
488550.00	3668200.00	3.52248
488600.00	3668200.00	3.71437
488650.00	3668200.00	3.94137
488700.00	3668200.00	4.23508
488750.00	3668200.00	4.55299
488800.00	3668200.00	4.86049
488850.00	3668200.00	5.16972
488900.00	3668200.00	5.42884
488950.00	3668200.00	6.18310
489000.00	3668200.00	11.15115
489050.00	3668200.00	8.66936
489100.00	3668200.00	6.17192
489150.00	3668200.00	5.09552

Villages Escondido Construction PM

489200.00	3668200.00	4.23618
489250.00	3668200.00	3.60794
489300.00	3668200.00	2.61880
489350.00	3668200.00	2.08244
489400.00	3668200.00	1.77180
489450.00	3668200.00	1.62782
489500.00	3668200.00	1.52923
489550.00	3668200.00	1.07967
489600.00	3668200.00	0.91087
489650.00	3668200.00	0.72647
489700.00	3668200.00	0.76077
489750.00	3668200.00	0.71361
489800.00	3668200.00	0.69278
489850.00	3668200.00	0.65407
489900.00	3668200.00	0.63917
489950.00	3668200.00	0.72814
490000.00	3668200.00	0.99490
490050.00	3668200.00	1.29255
490100.00	3668200.00	1.39553
490150.00	3668200.00	1.30113
490200.00	3668200.00	1.07612
490250.00	3668200.00	0.96873
490300.00	3668200.00	0.95029

Villages Escondido Construction PM
 *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
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*** AERMET - VERSION 15181 *** ***

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
 RURAL

*** THE PERIOD (26304
 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
 ALL ***

INCLUDING SOURCE(S) :

PAREA1 , PAREA2 , PAREA3 , PAREA4

,

DISCRETE CARTESIAN RECEPTOR POINTS ***

IN MICROGRAMS/M**3 ** CONC OF PM_10
 **

X-COORD (M)	Y-COORD (M)	CONC
X-COORD (M)	Y-COORD (M)	CONC
490350.00	3668200.00	1.03954
487900.00	3668250.00	2.02707
487950.00	3668250.00	2.19953
488000.00	3668250.00	2.37789

Villages Escondido Construction PM

488050.00	3668250.00	2.51264
488100.00	3668250.00	2.70515
488150.00	3668250.00	2.84717
488200.00	3668250.00	2.98265
488250.00	3668250.00	3.15537
488300.00	3668250.00	3.25794
488350.00	3668250.00	3.27901
488400.00	3668250.00	3.24733
488450.00	3668250.00	3.33559
488500.00	3668250.00	3.52776
488550.00	3668250.00	3.74870
488600.00	3668250.00	3.98215
488650.00	3668250.00	4.29163
488700.00	3668250.00	4.67803
488750.00	3668250.00	5.11898
488800.00	3668250.00	5.61970
488850.00	3668250.00	6.20914
488900.00	3668250.00	7.15055
488950.00	3668250.00	10.81111
489000.00	3668250.00	23.34759
489050.00	3668250.00	25.43852
489100.00	3668250.00	12.68637
489150.00	3668250.00	8.38882

Villages Escondido Construction PM

489200.00	3668250.00	6.24833
489250.00	3668250.00	4.37092
489300.00	3668250.00	2.83016
489350.00	3668250.00	2.13720
489400.00	3668250.00	1.71436
489450.00	3668250.00	1.49889
489500.00	3668250.00	1.29892
489550.00	3668250.00	1.08171
489600.00	3668250.00	0.89787
489650.00	3668250.00	0.82418
489700.00	3668250.00	0.84768
489750.00	3668250.00	0.82301
489800.00	3668250.00	0.85791
489850.00	3668250.00	0.88118
489900.00	3668250.00	0.87864
489950.00	3668250.00	0.95142
490000.00	3668250.00	1.22060
490050.00	3668250.00	1.31963
490100.00	3668250.00	1.35868
490150.00	3668250.00	1.42910
490200.00	3668250.00	1.13574
490250.00	3668250.00	0.92471
490300.00	3668250.00	0.89075

Villages Escondido Construction PM		
490350.00	3668250.00	1.06998
487900.00	3668300.00	2.07681
487950.00	3668300.00	2.22823
488000.00	3668300.00	2.31791
488050.00	3668300.00	2.38659
488100.00	3668300.00	2.48932
488150.00	3668300.00	2.76363
488200.00	3668300.00	2.90632
488250.00	3668300.00	2.93275
488300.00	3668300.00	2.99464
488350.00	3668300.00	3.09288
488400.00	3668300.00	3.23562
488450.00	3668300.00	3.42106
488500.00	3668300.00	3.65233
488550.00	3668300.00	3.89883
488600.00	3668300.00	4.18045
488650.00	3668300.00	4.55300
488700.00	3668300.00	4.95411
488750.00	3668300.00	5.48305
488800.00	3668300.00	6.11095
488850.00	3668300.00	6.84984
488900.00	3668300.00	8.03435
488950.00	3668300.00	11.90708
489000.00	3668300.00	24.48078

Villages Escondido Construction PM

489050.00	3668300.00	30.21755
489100.00	3668300.00	26.70745
489150.00	3668300.00	14.39822
489200.00	3668300.00	9.56281
489250.00	3668300.00	6.57934
489300.00	3668300.00	4.27702

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
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*** AERMET - VERSION 15181 *** ***

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

*** THE PERIOD (26304
HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
ALL ***

INCLUDING SOURCE(S) :
PAREA1 , PAREA2 , PAREA3 , PAREA4
,

DISCRETE CARTESIAN RECEPTOR POINTS ***

IN MICROGRAMS/M**3 *** CONC OF PM_10
**

Villages Escondido Construction PM

X-COORD (M)	Y-COORD (M)	CONC
X-COORD (M)	Y-COORD (M)	CONC

489350.00	3668300.00	3.06191
489400.00	3668300.00	2.22225
489450.00	3668300.00	1.86829
489500.00	3668300.00	1.52430
489550.00	3668300.00	1.15886
489600.00	3668300.00	1.01523
489650.00	3668300.00	0.95642
489700.00	3668300.00	0.99764
489750.00	3668300.00	0.97924
489800.00	3668300.00	1.07554
489850.00	3668300.00	1.19670
489900.00	3668300.00	1.25042
489950.00	3668300.00	1.28172
490000.00	3668300.00	1.33763
490050.00	3668300.00	1.08921
490100.00	3668300.00	1.05217
490150.00	3668300.00	1.20261
490200.00	3668300.00	1.26700
490250.00	3668300.00	0.90758
490300.00	3668300.00	0.83616

Villages Escondido Construction PM		
490350.00	3668300.00	0.94984
487900.00	3668350.00	2.11020
487950.00	3668350.00	2.20588
488000.00	3668350.00	2.32752
488050.00	3668350.00	2.41364
488100.00	3668350.00	2.50273
488150.00	3668350.00	2.58018
488200.00	3668350.00	2.68608
488250.00	3668350.00	2.81110
488300.00	3668350.00	2.94992
488350.00	3668350.00	3.12310
488400.00	3668350.00	3.31630
488450.00	3668350.00	3.51543
488500.00	3668350.00	3.72080
488550.00	3668350.00	3.98053
488600.00	3668350.00	4.30355
488650.00	3668350.00	4.70423
488700.00	3668350.00	5.13478
488750.00	3668350.00	5.72152
488800.00	3668350.00	6.74237
488850.00	3668350.00	7.77833
488900.00	3668350.00	8.34128
488950.00	3668350.00	10.58613
489000.00	3668350.00	21.60282

Villages Escondido Construction PM

489050.00	3668350.00	31.36324
489100.00	3668350.00	34.11578
489150.00	3668350.00	27.66538
489200.00	3668350.00	14.51472
489250.00	3668350.00	9.70263
489300.00	3668350.00	6.55650
489350.00	3668350.00	4.81289
489400.00	3668350.00	3.44029
489450.00	3668350.00	2.58959
489500.00	3668350.00	2.05317
489550.00	3668350.00	1.65162
489600.00	3668350.00	1.40386
489650.00	3668350.00	1.31524
489700.00	3668350.00	1.38818
489750.00	3668350.00	1.46451
489800.00	3668350.00	1.53855
489850.00	3668350.00	1.63508
489900.00	3668350.00	1.72164
489950.00	3668350.00	1.40152
490000.00	3668350.00	1.13134
490050.00	3668350.00	0.98215
490100.00	3668350.00	0.94351
490150.00	3668350.00	0.97921

Villages Escondido Construction PM

490200.00	3668350.00	1.13555
490250.00	3668350.00	0.97602
490300.00	3668350.00	0.87017
490350.00	3668350.00	0.84111
487900.00	3668400.00	2.15198
487950.00	3668400.00	2.24381
488000.00	3668400.00	2.34351
488050.00	3668400.00	2.43264
488100.00	3668400.00	2.52844
488150.00	3668400.00	2.63333
488200.00	3668400.00	2.73861
488250.00	3668400.00	2.86737
488300.00	3668400.00	3.01783

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
View\Villages Escondido Construction PM\Villages Esc ***
05/09/17

*** AERMET - VERSION 15181 *** ***

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

*** THE PERIOD (26304
HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
ALL ***

Villages Escondido Construction PM

INCLUDING SOURCE(S) :

PAREA1 , PAREA2 , PAREA3 , PAREA4

DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM₁₀

IN MICROGRAMS/M³

**

X-COORD (M)	Y-COORD (M)	CONC
X-COORD (M)	Y-COORD (M)	CONC
488350.00	3668400.00	3.19602
488400.00	3668400.00	3.35579
488450.00	3668400.00	3.54957
488500.00	3668400.00	3.77568
488550.00	3668400.00	4.07091
488600.00	3668400.00	4.35832
488650.00	3668400.00	4.77534
488700.00	3668400.00	5.21105
488750.00	3668400.00	5.95124
488800.00	3668400.00	6.85440
488850.00	3668400.00	7.76773
488900.00	3668400.00	8.79809
488950.00	3668400.00	9.97953
489000.00	3668400.00	14.82181

Villages Escondido Construction PM

489050.00	3668400.00	29.29607
489100.00	3668400.00	35.38679
489150.00	3668400.00	35.79983
489200.00	3668400.00	21.99941
489250.00	3668400.00	13.88372
489300.00	3668400.00	9.81806
489350.00	3668400.00	7.56559
489400.00	3668400.00	5.67352
489450.00	3668400.00	4.15547
489500.00	3668400.00	3.17546
489550.00	3668400.00	2.35322
489600.00	3668400.00	2.02055
489650.00	3668400.00	1.86651
489700.00	3668400.00	1.97959
489750.00	3668400.00	2.21102
489800.00	3668400.00	2.52567
489850.00	3668400.00	2.29488
489900.00	3668400.00	1.90900
489950.00	3668400.00	1.40660
490000.00	3668400.00	1.20785
490050.00	3668400.00	1.05386
490100.00	3668400.00	0.98639
490150.00	3668400.00	0.98799

Villages Escondido Construction PM

490200.00	3668400.00	1.02856
490250.00	3668400.00	1.00410
490300.00	3668400.00	0.92434
490350.00	3668400.00	0.89632
487900.00	3668450.00	2.20856
487950.00	3668450.00	2.29709
488000.00	3668450.00	2.40480
488050.00	3668450.00	2.50263
488100.00	3668450.00	2.62125
488150.00	3668450.00	2.70188
488200.00	3668450.00	2.80837
488250.00	3668450.00	2.93951
488300.00	3668450.00	3.09210
488350.00	3668450.00	3.26945
488400.00	3668450.00	3.44118
488450.00	3668450.00	3.60446
488500.00	3668450.00	3.83785
488550.00	3668450.00	4.13894
488600.00	3668450.00	4.42668
488650.00	3668450.00	4.84671
488700.00	3668450.00	5.22400
488750.00	3668450.00	5.74896
488800.00	3668450.00	6.67705

Villages Escondido Construction PM		
488850.00	3668450.00	7.40897
488900.00	3668450.00	8.43371
488950.00	3668450.00	9.26062
489000.00	3668450.00	11.74710
489050.00	3668450.00	23.51814
489100.00	3668450.00	34.74349
489150.00	3668450.00	38.59830
489200.00	3668450.00	36.09743
489250.00	3668450.00	21.33317
489300.00	3668450.00	14.00135
489350.00	3668450.00	10.40359
489400.00	3668450.00	8.54101
489450.00	3668450.00	7.32729
489500.00	3668450.00	6.03745
489550.00	3668450.00	3.97368
489600.00	3668450.00	2.89057
489650.00	3668450.00	3.02692
489700.00	3668450.00	3.22460
489750.00	3668450.00	3.65086
489800.00	3668450.00	3.58696

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
 View\Villages Escondido Construction PM\Villages Esc ***
 05/09/17

*** AERMET - VERSION 15181 *** ***

Villages Escondido Construction PM
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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

*** THE PERIOD (26304
HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
ALL ***

INCLUDING SOURCE(S) :
PAREA1 , PAREA2 , PAREA3 , PAREA4
,

DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10
IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC
X-COORD (M)	Y-COORD (M)	CONC
489850.00	3668450.00	3.16598
489900.00	3668450.00	2.02389
489950.00	3668450.00	1.70704
490000.00	3668450.00	1.50629
490050.00	3668450.00	1.31635
490100.00	3668450.00	1.20854
490150.00	3668450.00	1.12236

Villages Escondido Construction PM

490200.00	3668450.00	1.04350
490250.00	3668450.00	1.04228
490300.00	3668450.00	1.02851
490350.00	3668450.00	1.03478
487900.00	3668500.00	2.25076
487950.00	3668500.00	2.34862
488000.00	3668500.00	2.46554
488050.00	3668500.00	2.57402
488100.00	3668500.00	2.68639
488150.00	3668500.00	2.78871
488200.00	3668500.00	2.89940
488250.00	3668500.00	3.03046
488300.00	3668500.00	3.18133
488350.00	3668500.00	3.35379
488400.00	3668500.00	3.49165
488450.00	3668500.00	3.64876
488500.00	3668500.00	3.90672
488550.00	3668500.00	4.22946
488600.00	3668500.00	4.58606
488650.00	3668500.00	4.99494
488700.00	3668500.00	5.30131
488750.00	3668500.00	5.78586
488800.00	3668500.00	6.55199

Villages Escondido Construction PM		
488850.00	3668500.00	6.94903
488900.00	3668500.00	7.75125
488950.00	3668500.00	8.48935
489000.00	3668500.00	10.19135
489050.00	3668500.00	15.32064
489100.00	3668500.00	30.61907
489150.00	3668500.00	38.35427
489200.00	3668500.00	40.21342
489250.00	3668500.00	32.17503
489300.00	3668500.00	18.40211
489350.00	3668500.00	13.16374
489400.00	3668500.00	12.31847
489450.00	3668500.00	10.31515
489500.00	3668500.00	8.35609
489550.00	3668500.00	6.18397
489600.00	3668500.00	4.17968
489650.00	3668500.00	4.40519
489700.00	3668500.00	5.00381
489750.00	3668500.00	5.01560
489800.00	3668500.00	4.48972
489850.00	3668500.00	3.80429
489900.00	3668500.00	3.00981
489950.00	3668500.00	2.50128
490000.00	3668500.00	2.17968

Villages Escondido Construction PM

490050.00	3668500.00	1.81727
490100.00	3668500.00	1.49274
490150.00	3668500.00	1.31335
490200.00	3668500.00	1.19248
490250.00	3668500.00	1.12565
490300.00	3668500.00	1.16990
490350.00	3668500.00	1.27727
487900.00	3668550.00	2.28732
487950.00	3668550.00	2.39673
488000.00	3668550.00	2.52093
488050.00	3668550.00	2.65253
488100.00	3668550.00	2.77871
488150.00	3668550.00	2.88454
488200.00	3668550.00	3.02406
488250.00	3668550.00	3.16107
488300.00	3668550.00	3.32013
488350.00	3668550.00	3.45394
488400.00	3668550.00	3.61411
488450.00	3668550.00	3.78535
488500.00	3668550.00	4.04634
488550.00	3668550.00	4.44807
488600.00	3668550.00	4.82732
488650.00	3668550.00	5.22970

Villages Escondido Construction PM
488700.00 3668550.00 5.67228

488750.00 3668550.00 6.14270
488800.00 3668550.00 6.52356

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
View\Villages Escondido Construction PM\Villages Esc ***
05/09/17

*** AERMET - VERSION 15181 *** ***

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PAGE 61

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

*** THE PERIOD (26304
HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
ALL ***

INCLUDING SOURCE(S) :

PAREA1 , PAREA2 , PAREA3 , PAREA4

,

DISCRETE CARTESIAN RECEPTOR POINTS ***

IN MICROGRAMS/M**3 ** CONC OF PM_10
**

X-COORD (M)	Y-COORD (M)	CONC
X-COORD (M)	Y-COORD (M)	CONC

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Villages Escondido Construction PM		
488850.00	3668550.00	7.01056
488900.00	3668550.00	7.45748
488950.00	3668550.00	8.19273
489000.00	3668550.00	9.37990
489050.00	3668550.00	11.66870
489100.00	3668550.00	18.31251
489150.00	3668550.00	34.69439
489200.00	3668550.00	39.89992
489250.00	3668550.00	39.93744
489300.00	3668550.00	28.43214
489350.00	3668550.00	29.67031
489400.00	3668550.00	18.93425
489450.00	3668550.00	14.63401
489500.00	3668550.00	12.28657
489550.00	3668550.00	10.81719
489600.00	3668550.00	9.23678
489650.00	3668550.00	8.74337
489700.00	3668550.00	7.86339
489750.00	3668550.00	7.13143
489800.00	3668550.00	6.14396
489850.00	3668550.00	5.35918
489900.00	3668550.00	4.38189
489950.00	3668550.00	3.77894
490000.00	3668550.00	3.27081

Villages Escondido Construction PM

490050.00	3668550.00	2.34647
490100.00	3668550.00	1.94541
490150.00	3668550.00	1.68255
490200.00	3668550.00	1.53457
490250.00	3668550.00	1.47698
490300.00	3668550.00	1.40720
490350.00	3668550.00	1.48921
487900.00	3668600.00	2.31331
487950.00	3668600.00	2.42171
488000.00	3668600.00	2.57035
488050.00	3668600.00	2.72345
488100.00	3668600.00	2.86974
488150.00	3668600.00	3.02282
488200.00	3668600.00	3.18042
488250.00	3668600.00	3.36903
488300.00	3668600.00	3.56098
488350.00	3668600.00	3.69738
488400.00	3668600.00	3.83465
488450.00	3668600.00	4.00361
488500.00	3668600.00	4.34125
488550.00	3668600.00	4.69804
488600.00	3668600.00	5.20299
488650.00	3668600.00	5.66923

Villages Escondido Construction PM

488700.00	3668600.00	6.19183
488750.00	3668600.00	6.80205
488800.00	3668600.00	7.57245
488850.00	3668600.00	8.71977
488900.00	3668600.00	9.87502
488950.00	3668600.00	10.21571
489000.00	3668600.00	10.53729
489050.00	3668600.00	11.38851
489100.00	3668600.00	13.64074
489150.00	3668600.00	23.76675
489200.00	3668600.00	36.55725
489250.00	3668600.00	33.89284
489300.00	3668600.00	26.06538
489350.00	3668600.00	40.78513
489400.00	3668600.00	27.76016
489450.00	3668600.00	22.13820
489500.00	3668600.00	22.06442
489550.00	3668600.00	23.55248
489600.00	3668600.00	24.43749
489650.00	3668600.00	19.94715
489700.00	3668600.00	16.37364
489750.00	3668600.00	13.42501
489800.00	3668600.00	10.63105

Villages Escondido Construction PM		
489850.00	3668600.00	8.45145
489900.00	3668600.00	6.53893
489950.00	3668600.00	5.22436
490000.00	3668600.00	4.26513
490050.00	3668600.00	3.43055
490100.00	3668600.00	2.79939
490150.00	3668600.00	2.44758
490200.00	3668600.00	2.17338
490250.00	3668600.00	1.89065
490300.00	3668600.00	1.66502

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
 View\Villages Escondido Construction PM\Villages Esc ***
 05/09/17

*** AERMET - VERSION 15181 *** ***

18:49:27

PAGE 62

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
 RURAL

*** THE PERIOD (26304
 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
 ALL ***

INCLUDING SOURCE(S) :

PAREA1 , PAREA2 , PAREA3 , PAREA4

,

Villages Escondido Construction PM
DISCRETE CARTESIAN RECEPTOR POINTS ***

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** CONC OF PM_10
IN MICROGRAMS/M**3

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X-COORD (M)		Y-COORD (M)		CONC
X-COORD (M)		Y-COORD (M)		CONC
490350.00		3668600.00		1.60843
487900.00		3668650.00		2.35016
487950.00		3668650.00		2.48087
488000.00		3668650.00		2.62472
488050.00		3668650.00		2.78356
488100.00		3668650.00		2.95436
488150.00		3668650.00		3.14220
488200.00		3668650.00		3.34804
488250.00		3668650.00		3.59475
488300.00		3668650.00		3.85499
488350.00		3668650.00		4.08805
488400.00		3668650.00		4.23726
488450.00		3668650.00		4.51711
488500.00		3668650.00		5.09946
488550.00		3668650.00		5.36204
488600.00		3668650.00		5.62784
488650.00		3668650.00		6.00515

Villages Escondido Construction PM

488700.00	3668650.00	6.64232
488750.00	3668650.00	8.14278
488800.00	3668650.00	11.94973
488850.00	3668650.00	17.62807
488900.00	3668650.00	20.18963
488950.00	3668650.00	21.57831
489000.00	3668650.00	21.65450
489050.00	3668650.00	20.98777
489100.00	3668650.00	14.46373
489150.00	3668650.00	15.09147
489200.00	3668650.00	19.02969
489250.00	3668650.00	14.57224
489300.00	3668650.00	15.39034
489350.00	3668650.00	24.16896
489400.00	3668650.00	38.23390
489450.00	3668650.00	41.97026
489500.00	3668650.00	43.08661
489550.00	3668650.00	43.54474
489600.00	3668650.00	44.03327
489650.00	3668650.00	43.54385
489700.00	3668650.00	43.40563
489750.00	3668650.00	40.72386
489800.00	3668650.00	30.88879

Villages Escondido Construction PM		
489850.00	3668650.00	14.22367
489900.00	3668650.00	9.27318
489950.00	3668650.00	7.03151
490000.00	3668650.00	5.48622
490050.00	3668650.00	4.48279
490100.00	3668650.00	3.82078
490150.00	3668650.00	3.25209
490200.00	3668650.00	2.66131
490250.00	3668650.00	2.46666
490300.00	3668650.00	1.97715
490350.00	3668650.00	1.87163
487900.00	3668700.00	2.37093
487950.00	3668700.00	2.50446
488000.00	3668700.00	2.63885
488050.00	3668700.00	2.79699
488100.00	3668700.00	2.98936
488150.00	3668700.00	3.20300
488200.00	3668700.00	3.44531
488250.00	3668700.00	3.73113
488300.00	3668700.00	4.10593
488350.00	3668700.00	4.53813
488400.00	3668700.00	5.41165
488450.00	3668700.00	8.71669
488500.00	3668700.00	10.01404

Villages Escondido Construction PM

488550.00	3668700.00	8.16170
488600.00	3668700.00	6.55709
488650.00	3668700.00	6.65235
488700.00	3668700.00	8.62455
488750.00	3668700.00	12.20175
488800.00	3668700.00	13.82532
488850.00	3668700.00	16.64124
488900.00	3668700.00	20.94478
488950.00	3668700.00	23.18179
489000.00	3668700.00	24.99610
489050.00	3668700.00	25.81502
489100.00	3668700.00	23.90754
489150.00	3668700.00	16.96004
489200.00	3668700.00	13.34848
489250.00	3668700.00	13.52266
489300.00	3668700.00	14.55212

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
 View\Villages Escondido Construction PM\Villages Esc ***
 05/09/17

*** AERMET - VERSION 15181 *** ***

18:49:27

PAGE 63

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV

Villages Escondido Construction PM

RURAL

*** THE PERIOD (26304
HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
ALL ***

INCLUDING SOURCE(S) :

PAREA1 , PAREA2 , PAREA3 , PAREA4

DISCRETE CARTESIAN RECEPTOR POINTS ***

IN MICROGRAMS/M**3 ** CONC OF PM_10
**

X-COORD (M)	Y-COORD (M)	CONC
X-COORD (M)	Y-COORD (M)	CONC
489350.00	3668700.00	18.22588
489400.00	3668700.00	34.66969
489450.00	3668700.00	42.06027
489500.00	3668700.00	43.71856
489550.00	3668700.00	44.63819
489600.00	3668700.00	45.06401
489650.00	3668700.00	44.53729
489700.00	3668700.00	44.05391
489750.00	3668700.00	40.02328
489800.00	3668700.00	31.71006

Villages Escondido Construction PM		
489850.00	3668700.00	15.35344
489900.00	3668700.00	10.13757
489950.00	3668700.00	7.67401
490000.00	3668700.00	5.97879
490050.00	3668700.00	5.02525
490100.00	3668700.00	4.25652
490150.00	3668700.00	3.59416
490200.00	3668700.00	3.16383
490250.00	3668700.00	2.84941
490300.00	3668700.00	2.72223
490350.00	3668700.00	2.36712
487900.00	3668750.00	2.33796
487950.00	3668750.00	2.46769
488000.00	3668750.00	2.61406
488050.00	3668750.00	2.77494
488100.00	3668750.00	2.96966
488150.00	3668750.00	3.18475
488200.00	3668750.00	3.43043
488250.00	3668750.00	3.72565
488300.00	3668750.00	4.12115
488350.00	3668750.00	4.78847
488400.00	3668750.00	7.96804
488450.00	3668750.00	10.72073
488500.00	3668750.00	11.76338

Villages Escondido Construction PM

488550.00	3668750.00	10.17887
488600.00	3668750.00	8.05679
488650.00	3668750.00	10.14965
488700.00	3668750.00	12.30888
488750.00	3668750.00	13.31596
488800.00	3668750.00	12.98766
488850.00	3668750.00	10.14451
488900.00	3668750.00	10.80584
488950.00	3668750.00	14.25317
489000.00	3668750.00	21.34093
489050.00	3668750.00	24.23477
489100.00	3668750.00	24.80400
489150.00	3668750.00	24.28744
489200.00	3668750.00	21.61426
489250.00	3668750.00	15.50944
489300.00	3668750.00	14.56063
489350.00	3668750.00	17.89563
489400.00	3668750.00	21.37597
489450.00	3668750.00	22.99997
489500.00	3668750.00	22.37900
489550.00	3668750.00	19.97717
489600.00	3668750.00	20.66446
489650.00	3668750.00	19.79407

Villages Escondido Construction PM

489700.00	3668750.00	17.03159
489750.00	3668750.00	15.69871
489800.00	3668750.00	13.92619
489850.00	3668750.00	11.23981
489900.00	3668750.00	8.58855
489950.00	3668750.00	6.98624
490000.00	3668750.00	5.86729
490050.00	3668750.00	4.99270
490100.00	3668750.00	4.30664
490150.00	3668750.00	3.76845
490200.00	3668750.00	3.40249
490250.00	3668750.00	3.05241
490300.00	3668750.00	2.84803
490350.00	3668750.00	2.63275
487900.00	3668800.00	2.27585
487950.00	3668800.00	2.41663
488000.00	3668800.00	2.56229
488050.00	3668800.00	2.71688
488100.00	3668800.00	2.91551
488150.00	3668800.00	3.13048
488200.00	3668800.00	3.36860
488250.00	3668800.00	3.63984
488300.00	3668800.00	3.97699

Villages Escondido Construction PM

*** AERMOD - VERSION 16216r ***
 *** C:\Lakes\AERMOD
 View\Villages Escondido Construction PM\Villages Esc ***
 05/09/17

*** AERMET - VERSION 15181 ***

18:49:27

PAGE 64

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
 RURAL

*** THE PERIOD (26304
 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
 ALL ***

INCLUDING SOURCE(S) :

PAREA1 , PAREA2 , PAREA3 , PAREA4

DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM₁₀
 IN MICROGRAMS/M³ **

X-COORD (M)	Y-COORD (M)	CONC
X-COORD (M)	Y-COORD (M)	CONC
488350.00	3668800.00	4.46178
488400.00	3668800.00	5.67854
488450.00	3668800.00	9.91488
488500.00	3668800.00	11.91115

Villages Escondido Construction PM

488550.00	3668800.00	12.64737
488600.00	3668800.00	12.47742
488650.00	3668800.00	12.90295
488700.00	3668800.00	13.22591
488750.00	3668800.00	12.86485
488800.00	3668800.00	9.39883
488850.00	3668800.00	8.04681
488900.00	3668800.00	7.75354
488950.00	3668800.00	8.12770
489000.00	3668800.00	9.20807
489050.00	3668800.00	11.02920
489100.00	3668800.00	16.22898
489150.00	3668800.00	19.29641
489200.00	3668800.00	20.82568
489250.00	3668800.00	21.44090
489300.00	3668800.00	22.20449
489350.00	3668800.00	22.22024
489400.00	3668800.00	19.60362
489450.00	3668800.00	16.68380
489500.00	3668800.00	14.88030
489550.00	3668800.00	13.76777
489600.00	3668800.00	13.11430
489650.00	3668800.00	15.39664

Villages Escondido Construction PM

489700.00	3668800.00	15.19636
489750.00	3668800.00	13.09810
489800.00	3668800.00	10.44020
489850.00	3668800.00	8.37909
489900.00	3668800.00	7.00871
489950.00	3668800.00	6.00707
490000.00	3668800.00	5.13477
490050.00	3668800.00	4.55604
490100.00	3668800.00	4.05184
490150.00	3668800.00	3.63377
490200.00	3668800.00	3.32077
490250.00	3668800.00	3.08304
490300.00	3668800.00	2.83622
490350.00	3668800.00	2.62442
487900.00	3668850.00	2.18918
487950.00	3668850.00	2.32459
488000.00	3668850.00	2.47774
488050.00	3668850.00	2.64830
488100.00	3668850.00	2.84423
488150.00	3668850.00	3.03637
488200.00	3668850.00	3.26239
488250.00	3668850.00	3.53988
488300.00	3668850.00	3.83437

Villages Escondido Construction PM		
488350.00	3668850.00	4.19978
488400.00	3668850.00	4.75690
488450.00	3668850.00	6.69630
488500.00	3668850.00	11.05564
488550.00	3668850.00	12.56540
488600.00	3668850.00	13.16268
488650.00	3668850.00	13.35474
488700.00	3668850.00	12.96065
488750.00	3668850.00	9.53361
488800.00	3668850.00	7.50159
488850.00	3668850.00	6.63011
488900.00	3668850.00	6.23119
488950.00	3668850.00	6.08514
489000.00	3668850.00	6.26267
489050.00	3668850.00	6.75192
489100.00	3668850.00	7.40603
489150.00	3668850.00	9.42540
489200.00	3668850.00	11.17095
489250.00	3668850.00	12.22437
489300.00	3668850.00	14.29994
489350.00	3668850.00	15.13448
489400.00	3668850.00	14.47605
489450.00	3668850.00	13.18438
489500.00	3668850.00	10.02575

Villages Escondido Construction PM

489550.00	3668850.00	8.20636
489600.00	3668850.00	8.16184
489650.00	3668850.00	11.59177
489700.00	3668850.00	13.35318
489750.00	3668850.00	13.03043
489800.00	3668850.00	9.82565

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
View\Villages Escondido Construction PM\Villages Esc ***
05/09/17

*** AERMET - VERSION 15181 *** ***

18:49:27

PAGE 65

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

*** THE PERIOD (26304
HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
ALL ***

INCLUDING SOURCE(S) :

PAREA1 , PAREA2 , PAREA3 , PAREA4

,

DISCRETE CARTESIAN RECEPTOR POINTS ***

IN MICROGRAMS/M**3 ** CONC OF PM_10
**

Villages Escondido Construction PM

X-COORD (M)	Y-COORD (M)	CONC
X-COORD (M)	Y-COORD (M)	CONC

489850.00	3668850.00	7.25789
489900.00	3668850.00	6.10389
489950.00	3668850.00	5.17511
490000.00	3668850.00	4.29411
490050.00	3668850.00	3.69191
490100.00	3668850.00	3.31137
490150.00	3668850.00	3.01616
490200.00	3668850.00	2.89404
490250.00	3668850.00	2.95153
490300.00	3668850.00	2.78330
490350.00	3668850.00	2.58195
487900.00	3668900.00	2.05578
487950.00	3668900.00	2.20294
488000.00	3668900.00	2.38197
488050.00	3668900.00	2.54638
488100.00	3668900.00	2.73242
488150.00	3668900.00	2.91703
488200.00	3668900.00	3.15613
488250.00	3668900.00	3.41977
488300.00	3668900.00	3.72493

Villages Escondido Construction PM		
488350.00	3668900.00	4.11879
488400.00	3668900.00	4.68261
488450.00	3668900.00	7.36499
488500.00	3668900.00	10.86457
488550.00	3668900.00	12.26330
488600.00	3668900.00	12.88790
488650.00	3668900.00	12.88685
488700.00	3668900.00	10.15164
488750.00	3668900.00	7.40665
488800.00	3668900.00	6.21101
488850.00	3668900.00	5.58306
488900.00	3668900.00	5.24662
488950.00	3668900.00	4.96097
489000.00	3668900.00	4.81265
489050.00	3668900.00	4.81883
489100.00	3668900.00	4.87200
489150.00	3668900.00	5.07993
489200.00	3668900.00	5.33564
489250.00	3668900.00	5.77498
489300.00	3668900.00	6.69010
489350.00	3668900.00	9.45222
489400.00	3668900.00	10.81134
489450.00	3668900.00	10.91598
489500.00	3668900.00	9.70755

Villages Escondido Construction PM

489550.00	3668900.00	7.69439
489600.00	3668900.00	7.23162
489650.00	3668900.00	8.17753
489700.00	3668900.00	10.81661
489750.00	3668900.00	11.70016
489800.00	3668900.00	9.26594
489850.00	3668900.00	6.81247
489900.00	3668900.00	5.67335
489950.00	3668900.00	4.91027
490000.00	3668900.00	4.34954
490050.00	3668900.00	3.72683
490100.00	3668900.00	3.16437
490150.00	3668900.00	2.83755
490200.00	3668900.00	2.61546
490250.00	3668900.00	2.71229
490300.00	3668900.00	2.62573
490350.00	3668900.00	2.49972
487900.00	3668950.00	1.91208
487950.00	3668950.00	2.05599
488000.00	3668950.00	2.22656
488050.00	3668950.00	2.41370
488100.00	3668950.00	2.58616
488150.00	3668950.00	2.79470

Villages Escondido Construction PM

488200.00	3668950.00	3.01523
488250.00	3668950.00	3.28820
488300.00	3668950.00	3.61918
488350.00	3668950.00	4.08693
488400.00	3668950.00	5.65893
488450.00	3668950.00	9.55875
488500.00	3668950.00	11.29838
488550.00	3668950.00	12.19876
488600.00	3668950.00	12.50114
488650.00	3668950.00	10.98919
488700.00	3668950.00	7.59848
488750.00	3668950.00	6.19466
488800.00	3668950.00	5.35444

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
View\Villages Escondido Construction PM\Villages Esc ***
05/09/17

*** AERMET - VERSION 15181 *** ***

18:49:27

PAGE 66

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

*** THE PERIOD (26304
HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
ALL ***

Villages Escondido Construction PM

INCLUDING SOURCE(S) :

PAREA1 , PAREA2 , PAREA3 , PAREA4

DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM₁₀

IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC
X-COORD (M)	Y-COORD (M)	CONC
488850.00	3668950.00	4.80801
488900.00	3668950.00	4.43015
488950.00	3668950.00	4.17695
489000.00	3668950.00	3.91427
489050.00	3668950.00	3.69809
489100.00	3668950.00	3.66845
489150.00	3668950.00	3.63014
489200.00	3668950.00	3.60023
489250.00	3668950.00	3.69665
489300.00	3668950.00	3.90145
489350.00	3668950.00	4.38481
489400.00	3668950.00	5.34028
489450.00	3668950.00	6.69902
489500.00	3668950.00	7.73789

Villages Escondido Construction PM

489550.00	3668950.00	7.21025
489600.00	3668950.00	8.13653
489650.00	3668950.00	9.35332
489700.00	3668950.00	10.62828
489750.00	3668950.00	10.91281
489800.00	3668950.00	9.17460
489850.00	3668950.00	6.65990
489900.00	3668950.00	5.41801
489950.00	3668950.00	4.65949
490000.00	3668950.00	4.06338
490050.00	3668950.00	3.52053
490100.00	3668950.00	2.99423
490150.00	3668950.00	2.64926
490200.00	3668950.00	2.49378
490250.00	3668950.00	2.43856
490300.00	3668950.00	2.36158
490350.00	3668950.00	2.33458
487900.00	3669000.00	1.71645
487950.00	3669000.00	1.88576
488000.00	3669000.00	2.06566
488050.00	3669000.00	2.24956
488100.00	3669000.00	2.43689
488150.00	3669000.00	2.63607

Villages Escondido Construction PM

488200.00	3669000.00	2.86899
488250.00	3669000.00	3.14309
488300.00	3669000.00	3.49118
488350.00	3669000.00	3.98251
488400.00	3669000.00	5.30123
488450.00	3669000.00	9.74366
488500.00	3669000.00	11.47467
488550.00	3669000.00	12.23535
488600.00	3669000.00	12.25795
488650.00	3669000.00	9.10950
488700.00	3669000.00	6.66633
488750.00	3669000.00	5.47284
488800.00	3669000.00	4.74866
488850.00	3669000.00	4.26153
488900.00	3669000.00	3.91093
488950.00	3669000.00	3.61851
489000.00	3669000.00	3.29474
489050.00	3669000.00	3.06515
489100.00	3669000.00	2.96142
489150.00	3669000.00	2.89032
489200.00	3669000.00	2.83071
489250.00	3669000.00	2.81621
489300.00	3669000.00	2.84926

Villages Escondido Construction PM		
489350.00	3669000.00	2.92773
489400.00	3669000.00	3.01374
489450.00	3669000.00	2.94559
489500.00	3669000.00	3.16473
489550.00	3669000.00	3.53099
489600.00	3669000.00	4.04521
489650.00	3669000.00	4.68591
489700.00	3669000.00	5.78726
489750.00	3669000.00	7.31297
489800.00	3669000.00	8.14329
489850.00	3669000.00	5.92994
489900.00	3669000.00	4.80726
489950.00	3669000.00	4.08530
490000.00	3669000.00	3.60630
490050.00	3669000.00	2.98667
490100.00	3669000.00	2.60095
490150.00	3669000.00	2.33745
490200.00	3669000.00	2.15729
490250.00	3669000.00	2.07010
490300.00	3669000.00	2.04147

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
 View\Villages Escondido Construction PM\Villages Esc ***
 05/09/17

*** AERMET - VERSION 15181 *** ***

Villages Escondido Construction PM
18:49:27

PAGE 67

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

*** THE PERIOD (26304
HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
ALL ***

INCLUDING SOURCE(S) :
PAREA1 , PAREA2 , PAREA3 , PAREA4
,

DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10
IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC
X-COORD (M)	Y-COORD (M)	CONC
490350.00	3669000.00	2.00270
487900.00	3669050.00	1.59077
487950.00	3669050.00	1.71694
488000.00	3669050.00	1.92111
488050.00	3669050.00	2.07953
488100.00	3669050.00	2.24376
488150.00	3669050.00	2.43579

Villages Escondido Construction PM

488200.00	3669050.00	2.68380
488250.00	3669050.00	2.96205
488300.00	3669050.00	3.32640
488350.00	3669050.00	3.87480
488400.00	3669050.00	5.27255
488450.00	3669050.00	9.78851
488500.00	3669050.00	11.54217
488550.00	3669050.00	12.33389
488600.00	3669050.00	12.44676
488650.00	3669050.00	10.38093
488700.00	3669050.00	6.74004
488750.00	3669050.00	5.28658
488800.00	3669050.00	4.45351
488850.00	3669050.00	3.92633
488900.00	3669050.00	3.54783
488950.00	3669050.00	3.21641
489000.00	3669050.00	2.92543
489050.00	3669050.00	2.70761
489100.00	3669050.00	2.58119
489150.00	3669050.00	2.48771
489200.00	3669050.00	2.39983
489250.00	3669050.00	2.36484
489300.00	3669050.00	2.32750

Villages Escondido Construction PM		
489350.00	3669050.00	2.17587
489400.00	3669050.00	2.00576
489450.00	3669050.00	1.86334
489500.00	3669050.00	1.90483
489550.00	3669050.00	2.12368
489600.00	3669050.00	2.42037
489650.00	3669050.00	2.85808
489700.00	3669050.00	3.22574
489750.00	3669050.00	3.65235
489800.00	3669050.00	4.05581
489850.00	3669050.00	4.12662
489900.00	3669050.00	3.79312
489950.00	3669050.00	3.39472
490000.00	3669050.00	3.02040
490050.00	3669050.00	2.53772
490100.00	3669050.00	2.24936
490150.00	3669050.00	1.98051
490200.00	3669050.00	1.86364
490250.00	3669050.00	1.80448
490300.00	3669050.00	1.76584
490350.00	3669050.00	1.73316
487900.00	3669100.00	1.42158
487950.00	3669100.00	1.56367
488000.00	3669100.00	1.71838

Villages Escondido Construction PM

488050.00	3669100.00	1.87814
488100.00	3669100.00	2.03363
488150.00	3669100.00	2.23458
488200.00	3669100.00	2.47953
488250.00	3669100.00	2.77623
488300.00	3669100.00	3.16124
488350.00	3669100.00	3.74868
488400.00	3669100.00	5.31530
488450.00	3669100.00	9.87915
488500.00	3669100.00	11.62315
488550.00	3669100.00	12.45451
488600.00	3669100.00	12.66741
488650.00	3669100.00	11.63408
488700.00	3669100.00	7.33456
488750.00	3669100.00	5.47567
488800.00	3669100.00	4.49494
488850.00	3669100.00	3.80229
488900.00	3669100.00	3.37815
488950.00	3669100.00	3.01727
489000.00	3669100.00	2.74703
489050.00	3669100.00	2.53110
489100.00	3669100.00	2.38218
489150.00	3669100.00	2.25286

Villages Escondido Construction PM
489200.00 3669100.00 2.12639

489250.00 3669100.00 2.02024
489300.00 3669100.00 1.90198

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
View\Villages Escondido Construction PM\Villages Esc ***
05/09/17

*** AERMET - VERSION 15181 *** ***

18:49:27

PAGE 68

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

*** THE PERIOD (26304
HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
ALL ***

INCLUDING SOURCE(S) :

PAREA1 , PAREA2 , PAREA3 , PAREA4

,

DISCRETE CARTESIAN RECEPTOR POINTS ***

IN MICROGRAMS/M**3 ** CONC OF PM_10
**

X-COORD (M) Y-COORD (M) CONC
X-COORD (M) Y-COORD (M) CONC

Villages Escondido Construction PM		
489350.00	3669100.00	1.79808
489400.00	3669100.00	1.54070
489450.00	3669100.00	1.48448
489500.00	3669100.00	1.52457
489550.00	3669100.00	1.64793
489600.00	3669100.00	1.75246
489650.00	3669100.00	1.90169
489700.00	3669100.00	2.11204
489750.00	3669100.00	2.35611
489800.00	3669100.00	2.56949
489850.00	3669100.00	2.93589
489900.00	3669100.00	2.92886
489950.00	3669100.00	2.74814
490000.00	3669100.00	2.40790
490050.00	3669100.00	2.14027
490100.00	3669100.00	1.92070
490150.00	3669100.00	1.71181
490200.00	3669100.00	1.59199
490250.00	3669100.00	1.55767
490300.00	3669100.00	1.58921
490350.00	3669100.00	1.58978
487900.00	3669150.00	0.85761
487950.00	3669150.00	1.48480
488000.00	3669150.00	1.53528

Villages Escondido Construction PM

488050.00	3669150.00	1.66957
488100.00	3669150.00	1.83601
488150.00	3669150.00	2.05211
488200.00	3669150.00	2.31379
488250.00	3669150.00	2.62294
488300.00	3669150.00	2.97852
488350.00	3669150.00	3.58609
488400.00	3669150.00	5.39498
488450.00	3669150.00	9.92289
488500.00	3669150.00	11.69760
488550.00	3669150.00	12.56838
488600.00	3669150.00	12.86728
488650.00	3669150.00	12.30360
488700.00	3669150.00	8.22479
488750.00	3669150.00	5.77523
488800.00	3669150.00	4.37887
488850.00	3669150.00	3.83262
488900.00	3669150.00	3.31790
488950.00	3669150.00	2.93221
489000.00	3669150.00	2.59923
489050.00	3669150.00	2.32766
489100.00	3669150.00	2.15114
489150.00	3669150.00	1.95815

Villages Escondido Construction PM

489200.00	3669150.00	1.66980
489250.00	3669150.00	1.43418
489300.00	3669150.00	1.30642
489350.00	3669150.00	1.37066
489400.00	3669150.00	1.31770
489450.00	3669150.00	1.29873
489500.00	3669150.00	1.35072
489550.00	3669150.00	1.46518
489600.00	3669150.00	1.59913
489650.00	3669150.00	1.74978
489700.00	3669150.00	1.88476
489750.00	3669150.00	2.01584
489800.00	3669150.00	2.11569
489850.00	3669150.00	2.31856
489900.00	3669150.00	2.36193
489950.00	3669150.00	2.27416
490000.00	3669150.00	2.07289
490050.00	3669150.00	1.85894
490100.00	3669150.00	1.67663
490150.00	3669150.00	1.52271
490200.00	3669150.00	1.42779
490250.00	3669150.00	1.40630
490300.00	3669150.00	1.47673

Villages Escondido Construction PM		
490350.00	3669150.00	1.47052
487900.00	3669200.00	0.57954
487950.00	3669200.00	1.31064
488000.00	3669200.00	1.36051
488050.00	3669200.00	1.48908
488100.00	3669200.00	1.71457
488150.00	3669200.00	1.94702
488200.00	3669200.00	2.21371
488250.00	3669200.00	2.57705
488300.00	3669200.00	2.83619

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
 View\Villages Escondido Construction PM\Villages Esc ***
 05/09/17

*** AERMET - VERSION 15181 *** ***

18:49:27

PAGE 69

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
 RURAL

*** THE PERIOD (26304
 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
 ALL ***

INCLUDING SOURCE(S) :

PAREA1 , PAREA2 , PAREA3 , PAREA4

,

Villages Escondido Construction PM
DISCRETE CARTESIAN RECEPTOR POINTS ***

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** CONC OF PM_10
IN MICROGRAMS/M**3

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X-COORD (M)		Y-COORD (M)		CONC
X-COORD (M)		Y-COORD (M)		CONC
488350.00		3669200.00		3.34451
488400.00		3669200.00		5.45929
488450.00		3669200.00		9.89231
488500.00		3669200.00		11.67855
488550.00		3669200.00		12.58399
488600.00		3669200.00		12.84307
488650.00		3669200.00		12.53447
488700.00		3669200.00		9.51343
488750.00		3669200.00		6.10957
488800.00		3669200.00		4.69403
488850.00		3669200.00		3.20038
488900.00		3669200.00		2.99203
488950.00		3669200.00		2.43637
489000.00		3669200.00		2.16431
489050.00		3669200.00		1.83045
489100.00		3669200.00		1.58866
489150.00		3669200.00		1.61153

Villages Escondido Construction PM

489200.00	3669200.00	1.26731
489250.00	3669200.00	1.14158
489300.00	3669200.00	1.10370
489350.00	3669200.00	1.10917
489400.00	3669200.00	1.13372
489450.00	3669200.00	1.17990
489500.00	3669200.00	1.27685
489550.00	3669200.00	1.44912
489600.00	3669200.00	1.56709
489650.00	3669200.00	1.66884
489700.00	3669200.00	1.72425
489750.00	3669200.00	1.79119
489800.00	3669200.00	1.82521
489850.00	3669200.00	1.87235
489900.00	3669200.00	1.95561
489950.00	3669200.00	1.97127
490000.00	3669200.00	1.83073
490050.00	3669200.00	1.69839
490100.00	3669200.00	1.58868
490150.00	3669200.00	1.44916
490200.00	3669200.00	1.36118
490250.00	3669200.00	1.34326
490300.00	3669200.00	1.38331

Villages Escondido Construction PM		
490350.00	3669200.00	1.35772
487900.00	3669250.00	0.55809
487950.00	3669250.00	1.15709
488000.00	3669250.00	1.21263
488050.00	3669250.00	1.30707
488100.00	3669250.00	1.40057
488150.00	3669250.00	1.48038
488200.00	3669250.00	1.48572
488250.00	3669250.00	1.73678
488300.00	3669250.00	2.61525
488350.00	3669250.00	3.03668
488400.00	3669250.00	5.42530
488450.00	3669250.00	9.53053
488500.00	3669250.00	11.02913
488550.00	3669250.00	11.06483
488600.00	3669250.00	11.79150
488650.00	3669250.00	12.19702
488700.00	3669250.00	10.82467
488750.00	3669250.00	6.48597
488800.00	3669250.00	4.71985
488850.00	3669250.00	2.84917
488900.00	3669250.00	2.09959
488950.00	3669250.00	1.67888
489000.00	3669250.00	1.50396

Villages Escondido Construction PM

489050.00	3669250.00	1.39156
489100.00	3669250.00	1.27219
489150.00	3669250.00	1.19740
489200.00	3669250.00	1.11842
489250.00	3669250.00	1.02436
489300.00	3669250.00	0.98861
489350.00	3669250.00	0.99711
489400.00	3669250.00	1.04059
489450.00	3669250.00	1.09750
489500.00	3669250.00	1.19348
489550.00	3669250.00	1.28801
489600.00	3669250.00	1.38622
489650.00	3669250.00	1.42724
489700.00	3669250.00	1.46563
489750.00	3669250.00	1.50420
489800.00	3669250.00	1.53735

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
 View\Villages Escondido Construction PM\Villages Esc ***
 05/09/17

*** AERMET - VERSION 15181 *** ***

18:49:27

PAGE 70

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV

Villages Escondido Construction PM

RURAL

*** THE PERIOD (26304
HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
ALL ***

INCLUDING SOURCE(S) :

PAREA1 , PAREA2 , PAREA3 , PAREA4

,

DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM₁₀

IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC
X-COORD (M)	Y-COORD (M)	CONC
489850.00	3669250.00	1.59720
489900.00	3669250.00	1.65593
489950.00	3669250.00	1.66253
490000.00	3669250.00	1.59413
490050.00	3669250.00	1.51092
490100.00	3669250.00	1.43536
490150.00	3669250.00	1.35637
490200.00	3669250.00	1.32139
490250.00	3669250.00	1.27821
490300.00	3669250.00	1.26707

Villages Escondido Construction PM		
490350.00	3669250.00	1.25469
487900.00	3669300.00	0.67011
487950.00	3669300.00	0.99681
488000.00	3669300.00	1.04892
488050.00	3669300.00	0.72487
488100.00	3669300.00	0.56594
488150.00	3669300.00	0.69646
488200.00	3669300.00	0.93292
488250.00	3669300.00	0.97147
488300.00	3669300.00	1.46003
488350.00	3669300.00	2.81487
488400.00	3669300.00	5.37375
488450.00	3669300.00	8.85912
488500.00	3669300.00	9.02920
488550.00	3669300.00	6.33593
488600.00	3669300.00	7.97132
488650.00	3669300.00	10.87801
488700.00	3669300.00	11.03955
488750.00	3669300.00	6.63711
488800.00	3669300.00	4.42974
488850.00	3669300.00	3.22875
488900.00	3669300.00	1.99434
488950.00	3669300.00	1.53236
489000.00	3669300.00	1.35832

Villages Escondido Construction PM

489050.00	3669300.00	1.30758
489100.00	3669300.00	1.25999
489150.00	3669300.00	1.16501
489200.00	3669300.00	1.10128
489250.00	3669300.00	1.01524
489300.00	3669300.00	0.97625
489350.00	3669300.00	0.92976
489400.00	3669300.00	0.93523
489450.00	3669300.00	0.97882
489500.00	3669300.00	0.99623
489550.00	3669300.00	1.05796
489600.00	3669300.00	1.16118
489650.00	3669300.00	1.18596
489700.00	3669300.00	1.18369
489750.00	3669300.00	1.26068
489800.00	3669300.00	1.32951
489850.00	3669300.00	1.37656
489900.00	3669300.00	1.42943
489950.00	3669300.00	1.43190
490000.00	3669300.00	1.41735
490050.00	3669300.00	1.37430
490100.00	3669300.00	1.34899
490150.00	3669300.00	1.29342

Villages Escondido Construction PM

490200.00	3669300.00	1.23126
490250.00	3669300.00	1.16281
490300.00	3669300.00	1.16566
490350.00	3669300.00	1.13213
487900.00	3669350.00	0.77674
487950.00	3669350.00	0.81654
488000.00	3669350.00	0.85555
488050.00	3669350.00	0.52320
488100.00	3669350.00	0.38166
488150.00	3669350.00	0.41770
488200.00	3669350.00	0.51155
488250.00	3669350.00	0.70607
488300.00	3669350.00	1.08557
488350.00	3669350.00	1.92728
488400.00	3669350.00	4.29095
488450.00	3669350.00	5.50487
488500.00	3669350.00	5.03415
488550.00	3669350.00	4.05283
488600.00	3669350.00	4.26006
488650.00	3669350.00	7.89553
488700.00	3669350.00	7.95659
488750.00	3669350.00	5.05724
488800.00	3669350.00	3.64084

Villages Escondido Construction PM

*** AERMOD - VERSION 16216r ***
 *** C:\Lakes\AERMOD
 View\Villages Escondido Construction PM\Villages Esc ***
 05/09/17

*** AERMET - VERSION 15181 ***

18:49:27

PAGE 71

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
 RURAL

*** THE PERIOD (26304
 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
 ALL ***

INCLUDING SOURCE(S) :

PAREA1 , PAREA2 , PAREA3 , PAREA4

DISCRETE CARTESIAN RECEPTOR POINTS ***

IN MICROGRAMS/M**3
 ** CONC OF PM_10
 **

X-COORD (M)	Y-COORD (M)	CONC
X-COORD (M)	Y-COORD (M)	CONC
488850.00	3669350.00	2.93490
488900.00	3669350.00	2.40953
488950.00	3669350.00	1.55269
489000.00	3669350.00	1.37399

Villages Escondido Construction PM

489050.00	3669350.00	1.41971
489100.00	3669350.00	1.35913
489150.00	3669350.00	1.19555
489200.00	3669350.00	1.08350
489250.00	3669350.00	0.96932
489300.00	3669350.00	0.88494
489350.00	3669350.00	0.84121
489400.00	3669350.00	0.82396
489450.00	3669350.00	0.84291
489500.00	3669350.00	0.84244
489550.00	3669350.00	0.86744
489600.00	3669350.00	0.95809
489650.00	3669350.00	0.90690
489700.00	3669350.00	0.87841
489750.00	3669350.00	0.93649
489800.00	3669350.00	1.11414
489850.00	3669350.00	1.22595
489900.00	3669350.00	1.26179
489950.00	3669350.00	1.27310
490000.00	3669350.00	1.24892
490050.00	3669350.00	1.22088
490100.00	3669350.00	1.19439
490150.00	3669350.00	1.16465

Villages Escondido Construction PM

490200.00	3669350.00	1.07523
490250.00	3669350.00	1.07014
490300.00	3669350.00	1.04698
490350.00	3669350.00	1.01325
487900.00	3669400.00	0.62163
487950.00	3669400.00	0.54891
488000.00	3669400.00	0.54761
488050.00	3669400.00	0.47103
488100.00	3669400.00	0.36247
488150.00	3669400.00	0.34965
488200.00	3669400.00	0.39404
488250.00	3669400.00	0.49365
488300.00	3669400.00	0.82082
488350.00	3669400.00	1.21889
488400.00	3669400.00	1.49243
488450.00	3669400.00	1.90152
488500.00	3669400.00	2.17076
488550.00	3669400.00	2.28124
488600.00	3669400.00	2.38948
488650.00	3669400.00	2.68059
488700.00	3669400.00	3.05249
488750.00	3669400.00	2.86399
488800.00	3669400.00	2.54824

Villages Escondido Construction PM		
488850.00	3669400.00	2.24268
488900.00	3669400.00	1.99403
488950.00	3669400.00	1.79434
489000.00	3669400.00	1.58238
489050.00	3669400.00	1.38957
489100.00	3669400.00	1.23147
489150.00	3669400.00	1.06319
489200.00	3669400.00	0.94131
489250.00	3669400.00	0.85347
489300.00	3669400.00	0.79803
489350.00	3669400.00	0.76546
489400.00	3669400.00	0.73343
489450.00	3669400.00	0.72420
489500.00	3669400.00	0.72188
489550.00	3669400.00	0.72455
489600.00	3669400.00	0.78083
489650.00	3669400.00	0.77209
489700.00	3669400.00	0.75544
489750.00	3669400.00	0.78298
489800.00	3669400.00	0.85631
489850.00	3669400.00	1.03598
489900.00	3669400.00	1.12022
489950.00	3669400.00	1.13626
490000.00	3669400.00	1.11212

Villages Escondido Construction PM

490050.00	3669400.00	1.05541
490100.00	3669400.00	1.01632
490150.00	3669400.00	1.00956
490200.00	3669400.00	0.94406
490250.00	3669400.00	0.94462
490300.00	3669400.00	0.91053

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
View\Villages Escondido Construction PM\Villages Esc ***
05/09/17

*** AERMET - VERSION 15181 *** ***

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

*** THE PERIOD (26304
HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
ALL ***

INCLUDING SOURCE(S) :

PAREA1 , PAREA2 , PAREA3 , PAREA4

,

DISCRETE CARTESIAN RECEPTOR POINTS ***

IN MICROGRAMS/M**3 ** CONC OF PM_10
**

Villages Escondido Construction PM

X-COORD (M)	Y-COORD (M)	CONC
X-COORD (M)	Y-COORD (M)	CONC

490350.00	3669400.00	0.88820
487900.00	3669450.00	0.35590
487950.00	3669450.00	0.29945
488000.00	3669450.00	0.29236
488050.00	3669450.00	0.29591
488100.00	3669450.00	0.28528
488150.00	3669450.00	0.28264
488200.00	3669450.00	0.32039
488250.00	3669450.00	0.39678
488300.00	3669450.00	0.61245
488350.00	3669450.00	0.89260
488400.00	3669450.00	0.99809
488450.00	3669450.00	1.12857
488500.00	3669450.00	1.26232
488550.00	3669450.00	1.38174
488600.00	3669450.00	1.45507
488650.00	3669450.00	1.49506
488700.00	3669450.00	1.58789
488750.00	3669450.00	1.69047
488800.00	3669450.00	1.69869

Villages Escondido Construction PM		
488850.00	3669450.00	1.62085
488900.00	3669450.00	1.54143
488950.00	3669450.00	1.39533
489000.00	3669450.00	1.25178
489050.00	3669450.00	1.11518
489100.00	3669450.00	1.01059
489150.00	3669450.00	0.87042
489200.00	3669450.00	0.79123
489250.00	3669450.00	0.75201
489300.00	3669450.00	0.71640
489350.00	3669450.00	0.69934
489400.00	3669450.00	0.67986
489450.00	3669450.00	0.65120
489500.00	3669450.00	0.64489
489550.00	3669450.00	0.65201
489600.00	3669450.00	0.67489
489650.00	3669450.00	0.67036
489700.00	3669450.00	0.67690
489750.00	3669450.00	0.69584
489800.00	3669450.00	0.73605
489850.00	3669450.00	0.84251
489900.00	3669450.00	0.99334
489950.00	3669450.00	1.02437
490000.00	3669450.00	1.00006

Villages Escondido Construction PM

490050.00	3669450.00	0.91893
490100.00	3669450.00	0.83540
490150.00	3669450.00	0.84505
490200.00	3669450.00	0.82814
490250.00	3669450.00	0.80955
490300.00	3669450.00	0.78696
490350.00	3669450.00	0.78206
487900.00	3669500.00	0.24067
487950.00	3669500.00	0.23396
488000.00	3669500.00	0.23098
488050.00	3669500.00	0.22534
488100.00	3669500.00	0.22534
488150.00	3669500.00	0.23616
488200.00	3669500.00	0.27325
488250.00	3669500.00	0.33803
488300.00	3669500.00	0.51154
488350.00	3669500.00	0.69932
488400.00	3669500.00	0.77081
488450.00	3669500.00	0.82306
488500.00	3669500.00	0.88532
488550.00	3669500.00	0.94713
488600.00	3669500.00	0.96837
488650.00	3669500.00	0.91082

Villages Escondido Construction PM

488700.00	3669500.00	0.96268
488750.00	3669500.00	1.06878
488800.00	3669500.00	1.19028
488850.00	3669500.00	1.08676
488900.00	3669500.00	1.02418
488950.00	3669500.00	0.97716
489000.00	3669500.00	0.87765
489050.00	3669500.00	0.81433
489100.00	3669500.00	0.81571
489150.00	3669500.00	0.72718
489200.00	3669500.00	0.66569
489250.00	3669500.00	0.62787
489300.00	3669500.00	0.62501

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
View\Villages Escondido Construction PM\Villages Esc ***
05/09/17

*** AERMET - VERSION 15181 *** ***

18:49:27

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

*** THE PERIOD (26304
HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
ALL ***

Villages Escondido Construction PM

INCLUDING SOURCE(S) :

PAREA1 , PAREA2 , PAREA3 , PAREA4

DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM₁₀

IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC
X-COORD (M)	Y-COORD (M)	CONC
489350.00	3669500.00	0.63147
489400.00	3669500.00	0.62710
489450.00	3669500.00	0.60696
489500.00	3669500.00	0.58875
489550.00	3669500.00	0.59496
489600.00	3669500.00	0.60251
489650.00	3669500.00	0.60647
489700.00	3669500.00	0.61785
489750.00	3669500.00	0.64065
489800.00	3669500.00	0.67235
489850.00	3669500.00	0.75475
489900.00	3669500.00	0.87652
489950.00	3669500.00	0.89840
490000.00	3669500.00	0.88678

Villages Escondido Construction PM

490050.00	3669500.00	0.84165
490100.00	3669500.00	0.77495
490150.00	3669500.00	0.76526
490200.00	3669500.00	0.73397
490250.00	3669500.00	0.71716
490300.00	3669500.00	0.71206
490350.00	3669500.00	0.70838
487900.00	3669550.00	0.19387
487950.00	3669550.00	0.18571
488000.00	3669550.00	0.18202
488050.00	3669550.00	0.18137
488100.00	3669550.00	0.18888
488150.00	3669550.00	0.20764
488200.00	3669550.00	0.24650
488250.00	3669550.00	0.31128
488300.00	3669550.00	0.46535
488350.00	3669550.00	0.58305
488400.00	3669550.00	0.63125
488450.00	3669550.00	0.65230
488500.00	3669550.00	0.66186
488550.00	3669550.00	0.69257
488600.00	3669550.00	0.67870
488650.00	3669550.00	0.62551

Villages Escondido Construction PM

488700.00	3669550.00	0.62914
488750.00	3669550.00	0.72103
488800.00	3669550.00	0.80528
488850.00	3669550.00	0.87119
488900.00	3669550.00	0.76335
488950.00	3669550.00	0.72173
489000.00	3669550.00	0.67208
489050.00	3669550.00	0.64909
489100.00	3669550.00	0.63298
489150.00	3669550.00	0.62366
489200.00	3669550.00	0.58432
489250.00	3669550.00	0.54679
489300.00	3669550.00	0.54641
489350.00	3669550.00	0.56150
489400.00	3669550.00	0.55882
489450.00	3669550.00	0.54273
489500.00	3669550.00	0.53636
489550.00	3669550.00	0.53656
489600.00	3669550.00	0.54685
489650.00	3669550.00	0.55554
489700.00	3669550.00	0.57280
489750.00	3669550.00	0.58988
489800.00	3669550.00	0.61328

Villages Escondido Construction PM		
489850.00	3669550.00	0.65591
489900.00	3669550.00	0.74689
489950.00	3669550.00	0.80200
490000.00	3669550.00	0.82561
490050.00	3669550.00	0.76965
490100.00	3669550.00	0.72258
490150.00	3669550.00	0.69897
490200.00	3669550.00	0.69258
490250.00	3669550.00	0.66075
490300.00	3669550.00	0.63897
490350.00	3669550.00	0.63778
487900.00	3669600.00	0.16129
487950.00	3669600.00	0.15675
488000.00	3669600.00	0.15397
488050.00	3669600.00	0.15800
488100.00	3669600.00	0.16940
488150.00	3669600.00	0.18910
488200.00	3669600.00	0.22380
488250.00	3669600.00	0.28032
488300.00	3669600.00	0.39700

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
 View\Villages Escondido Construction PM\Villages Esc ***
 05/09/17

*** AERMET - VERSION 15181 *** ***

Villages Escondido Construction PM
18:49:27

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

*** THE PERIOD (26304
HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
ALL ***

INCLUDING SOURCE(S) :
PAREA1 , PAREA2 , PAREA3 , PAREA4
,

DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10
IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC
X-COORD (M)	Y-COORD (M)	CONC
488350.00	3669600.00	0.49031
488400.00	3669600.00	0.52152
488450.00	3669600.00	0.52001
488500.00	3669600.00	0.47193
488550.00	3669600.00	0.48575
488600.00	3669600.00	0.48575
488650.00	3669600.00	0.46171

Villages Escondido Construction PM

488700.00	3669600.00	0.44822
488750.00	3669600.00	0.49334
488800.00	3669600.00	0.55965
488850.00	3669600.00	0.60549
488900.00	3669600.00	0.65283
488950.00	3669600.00	0.58168
489000.00	3669600.00	0.52867
489050.00	3669600.00	0.51483
489100.00	3669600.00	0.51295
489150.00	3669600.00	0.51073
489200.00	3669600.00	0.52247
489250.00	3669600.00	0.49713
489300.00	3669600.00	0.48681
489350.00	3669600.00	0.48678
489400.00	3669600.00	0.48622
489450.00	3669600.00	0.47666
489500.00	3669600.00	0.46942
489550.00	3669600.00	0.47525
489600.00	3669600.00	0.49579
489650.00	3669600.00	0.50438
489700.00	3669600.00	0.51624
489750.00	3669600.00	0.53287
489800.00	3669600.00	0.55695

Villages Escondido Construction PM		
489850.00	3669600.00	0.61308
489900.00	3669600.00	0.67857
489950.00	3669600.00	0.70753
490000.00	3669600.00	0.72367
490050.00	3669600.00	0.71557
490100.00	3669600.00	0.67704
490150.00	3669600.00	0.65263
490200.00	3669600.00	0.64415
490250.00	3669600.00	0.62620
490300.00	3669600.00	0.59891
490350.00	3669600.00	0.57691
487900.00	3669650.00	0.13967
487950.00	3669650.00	0.13483
488000.00	3669650.00	0.13591
488050.00	3669650.00	0.14430
488100.00	3669650.00	0.15719
488150.00	3669650.00	0.17550
488200.00	3669650.00	0.20543
488250.00	3669650.00	0.25237
488300.00	3669650.00	0.34704
488350.00	3669650.00	0.42799
488400.00	3669650.00	0.44537
488450.00	3669650.00	0.41214
488500.00	3669650.00	0.34476

Villages Escondido Construction PM

488550.00	3669650.00	0.33203
488600.00	3669650.00	0.34596
488650.00	3669650.00	0.35913
488700.00	3669650.00	0.34919
488750.00	3669650.00	0.37036
488800.00	3669650.00	0.40587
488850.00	3669650.00	0.44403
488900.00	3669650.00	0.48345
488950.00	3669650.00	0.52613
489000.00	3669650.00	0.46510
489050.00	3669650.00	0.44110
489100.00	3669650.00	0.42810
489150.00	3669650.00	0.43122
489200.00	3669650.00	0.44363
489250.00	3669650.00	0.44526
489300.00	3669650.00	0.42989
489350.00	3669650.00	0.42845
489400.00	3669650.00	0.42390
489450.00	3669650.00	0.42082
489500.00	3669650.00	0.41303
489550.00	3669650.00	0.42099
489600.00	3669650.00	0.44261
489650.00	3669650.00	0.45811

Villages Escondido Construction PM
489700.00 3669650.00 0.46889

489750.00 3669650.00 0.49293
489800.00 3669650.00 0.51916

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
View\Villages Escondido Construction PM\Villages Esc ***
05/09/17

*** AERMET - VERSION 15181 *** ***

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PAGE 75

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

*** THE PERIOD (26304
HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
ALL ***

INCLUDING SOURCE(S) :

PAREA1 , PAREA2 , PAREA3 , PAREA4

,

DISCRETE CARTESIAN RECEPTOR POINTS ***

IN MICROGRAMS/M**3 ** CONC OF PM_10
**

X-COORD (M) Y-COORD (M) CONC
X-COORD (M) Y-COORD (M) CONC

- - - - -
- - - - -
- - - - -

Villages Escondido Construction PM		
489850.00	3669650.00	0.55284
489900.00	3669650.00	0.59178
489950.00	3669650.00	0.62039
490000.00	3669650.00	0.64693
490050.00	3669650.00	0.66285
490100.00	3669650.00	0.64173
490150.00	3669650.00	0.61459
490200.00	3669650.00	0.60504
490250.00	3669650.00	0.58480
490300.00	3669650.00	0.57468
490350.00	3669650.00	0.55953
487900.00	3669700.00	0.12230
487950.00	3669700.00	0.12142
488000.00	3669700.00	0.12433
488050.00	3669700.00	0.13520
488100.00	3669700.00	0.14990
488150.00	3669700.00	0.17400
488200.00	3669700.00	0.19980
488250.00	3669700.00	0.24249
488300.00	3669700.00	0.32037
488350.00	3669700.00	0.37002
488400.00	3669700.00	0.39291
488450.00	3669700.00	0.35936
488500.00	3669700.00	0.28888

Villages Escondido Construction PM

488550.00	3669700.00	0.26220
488600.00	3669700.00	0.26335
488650.00	3669700.00	0.27740
488700.00	3669700.00	0.28118
488750.00	3669700.00	0.28927
488800.00	3669700.00	0.31552
488850.00	3669700.00	0.35380
488900.00	3669700.00	0.38791
488950.00	3669700.00	0.42169
489000.00	3669700.00	0.40376
489050.00	3669700.00	0.39188
489100.00	3669700.00	0.37695
489150.00	3669700.00	0.36922
489200.00	3669700.00	0.37678
489250.00	3669700.00	0.38421
489300.00	3669700.00	0.38617
489350.00	3669700.00	0.37986
489400.00	3669700.00	0.38136
489450.00	3669700.00	0.37712
489500.00	3669700.00	0.37507
489550.00	3669700.00	0.37921
489600.00	3669700.00	0.39436
489650.00	3669700.00	0.42112

Villages Escondido Construction PM

489700.00	3669700.00	0.44162
489750.00	3669700.00	0.45554
489800.00	3669700.00	0.47282
489850.00	3669700.00	0.50010
489900.00	3669700.00	0.52294
489950.00	3669700.00	0.54998
490000.00	3669700.00	0.58194
490050.00	3669700.00	0.59688
490100.00	3669700.00	0.60205
490150.00	3669700.00	0.59552
490200.00	3669700.00	0.58437
490250.00	3669700.00	0.56301
490300.00	3669700.00	0.55451
490350.00	3669700.00	0.54622
487900.00	3669750.00	0.11406
487950.00	3669750.00	0.11602
488000.00	3669750.00	0.11902
488050.00	3669750.00	0.12723
488100.00	3669750.00	0.13992
488150.00	3669750.00	0.16367
488200.00	3669750.00	0.19213
488250.00	3669750.00	0.23640
488300.00	3669750.00	0.29544

Villages Escondido Construction PM		
488350.00	3669750.00	0.33499
488400.00	3669750.00	0.32337
488450.00	3669750.00	0.31685
488500.00	3669750.00	0.28710
488550.00	3669750.00	0.23308
488600.00	3669750.00	0.22872
488650.00	3669750.00	0.23746
488700.00	3669750.00	0.23807
488750.00	3669750.00	0.24103
488800.00	3669750.00	0.25792

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
 View\Villages Escondido Construction PM\Villages Esc ***
 05/09/17

*** AERMET - VERSION 15181 *** ***

18:49:27

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
 RURAL

*** THE PERIOD (26304
 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
 ALL ***

INCLUDING SOURCE(S) :

PAREA1 , PAREA2 , PAREA3 , PAREA4

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Villages Escondido Construction PM
DISCRETE CARTESIAN RECEPTOR POINTS ***

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** CONC OF PM_10
IN MICROGRAMS/M**3

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X-COORD (M)		Y-COORD (M)		CONC
X-COORD (M)		Y-COORD (M)		CONC
488850.00		3669750.00		0.28431
488900.00		3669750.00		0.31043
488950.00		3669750.00		0.34951
489000.00		3669750.00		0.35371
489050.00		3669750.00		0.34164
489100.00		3669750.00		0.33361
489150.00		3669750.00		0.32351
489200.00		3669750.00		0.32287
489250.00		3669750.00		0.33588
489300.00		3669750.00		0.34776
489350.00		3669750.00		0.34755
489400.00		3669750.00		0.34144
489450.00		3669750.00		0.34241
489500.00		3669750.00		0.34412
489550.00		3669750.00		0.34967
489600.00		3669750.00		0.36516
489650.00		3669750.00		0.38577

Villages Escondido Construction PM

489700.00	3669750.00	0.40194
489750.00	3669750.00	0.41480
489800.00	3669750.00	0.43477
489850.00	3669750.00	0.45280
489900.00	3669750.00	0.46307
489950.00	3669750.00	0.48932
490000.00	3669750.00	0.51855
490050.00	3669750.00	0.54373
490100.00	3669750.00	0.55827
490150.00	3669750.00	0.56389
490200.00	3669750.00	0.55909
490250.00	3669750.00	0.54846
490300.00	3669750.00	0.53177
490350.00	3669750.00	0.51979
487900.00	3669800.00	0.11179
487950.00	3669800.00	0.11503
488000.00	3669800.00	0.12028
488050.00	3669800.00	0.12697
488100.00	3669800.00	0.14003
488150.00	3669800.00	0.15821
488200.00	3669800.00	0.18717
488250.00	3669800.00	0.23900
488300.00	3669800.00	0.28705

Villages Escondido Construction PM		
488350.00	3669800.00	0.30516
488400.00	3669800.00	0.25076
488450.00	3669800.00	0.23630
488500.00	3669800.00	0.24288
488550.00	3669800.00	0.20706
488600.00	3669800.00	0.19902
488650.00	3669800.00	0.20222
488700.00	3669800.00	0.20980
488750.00	3669800.00	0.21317
488800.00	3669800.00	0.22120
488850.00	3669800.00	0.23690
488900.00	3669800.00	0.25643
488950.00	3669800.00	0.28704
489000.00	3669800.00	0.31002
489050.00	3669800.00	0.29908
489100.00	3669800.00	0.28972
489150.00	3669800.00	0.28130
489200.00	3669800.00	0.28417
489250.00	3669800.00	0.29584
489300.00	3669800.00	0.30773
489350.00	3669800.00	0.31260
489400.00	3669800.00	0.31076
489450.00	3669800.00	0.31250
489500.00	3669800.00	0.31513

Villages Escondido Construction PM

489550.00	3669800.00	0.32191
489600.00	3669800.00	0.33330
489650.00	3669800.00	0.34541
489700.00	3669800.00	0.36345
489750.00	3669800.00	0.38079
489800.00	3669800.00	0.40108
489850.00	3669800.00	0.41499
489900.00	3669800.00	0.42096
489950.00	3669800.00	0.43913
490000.00	3669800.00	0.47042
490050.00	3669800.00	0.49561
490100.00	3669800.00	0.51015
490150.00	3669800.00	0.52142
490200.00	3669800.00	0.52515
490250.00	3669800.00	0.52248
490300.00	3669800.00	0.52951

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
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 05/09/17

*** AERMET - VERSION 15181 *** ***

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV

Villages Escondido Construction PM

RURAL

*** THE PERIOD (26304
HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
ALL ***

INCLUDING SOURCE(S) :

PAREA1 , PAREA2 , PAREA3 , PAREA4

DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10
**

IN MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC
X-COORD (M)	Y-COORD (M)	CONC
490350.00	3669800.00	0.51732
487400.00	3667200.00	0.63079
487500.00	3667200.00	0.63979
487600.00	3667200.00	0.67895
487700.00	3667200.00	0.67060
487800.00	3667200.00	0.63638
487900.00	3667200.00	0.66849
488000.00	3667200.00	0.58604
488100.00	3667200.00	0.53364
488200.00	3667200.00	0.50597

Villages Escondido Construction PM		
488300.00	3667200.00	0.48494
488400.00	3667200.00	0.45594
488500.00	3667200.00	0.43827
488600.00	3667200.00	0.41562
488700.00	3667200.00	0.38451
488800.00	3667200.00	0.35345
488900.00	3667200.00	0.33653
489000.00	3667200.00	0.33773
489100.00	3667200.00	0.34001
489200.00	3667200.00	0.31809
489300.00	3667200.00	0.31077
489400.00	3667200.00	0.30315
489500.00	3667200.00	0.20960
489600.00	3667200.00	0.24497
489700.00	3667200.00	0.28155
489800.00	3667200.00	0.26415
489900.00	3667200.00	0.24333
490000.00	3667200.00	0.19381
490100.00	3667200.00	0.12897
490200.00	3667200.00	0.22704
490300.00	3667200.00	0.22019
490400.00	3667200.00	0.23211
490500.00	3667200.00	0.25140
490600.00	3667200.00	0.24242

Villages Escondido Construction PM

490700.00	3667200.00	0.23990
490800.00	3667200.00	0.23775
487400.00	3667300.00	0.70117
487500.00	3667300.00	0.70004
487600.00	3667300.00	0.70336
487700.00	3667300.00	0.70238
487800.00	3667300.00	0.69847
487900.00	3667300.00	0.71659
488000.00	3667300.00	0.66798
488100.00	3667300.00	0.61737
488200.00	3667300.00	0.60076
488300.00	3667300.00	0.56683
488400.00	3667300.00	0.50462
488500.00	3667300.00	0.47382
488600.00	3667300.00	0.46875
488700.00	3667300.00	0.43221
488800.00	3667300.00	0.38932
488900.00	3667300.00	0.36479
489000.00	3667300.00	0.37005
489100.00	3667300.00	0.38181
489200.00	3667300.00	0.36397
489300.00	3667300.00	0.34492
489400.00	3667300.00	0.34072

Villages Escondido Construction PM

489500.00	3667300.00	0.28403
489600.00	3667300.00	0.23956
489700.00	3667300.00	0.30146
489800.00	3667300.00	0.24010
489900.00	3667300.00	0.17601
490000.00	3667300.00	0.20678
490100.00	3667300.00	0.20807
490200.00	3667300.00	0.27233
490300.00	3667300.00	0.28264
490400.00	3667300.00	0.29058
490500.00	3667300.00	0.27213
490600.00	3667300.00	0.26879
490700.00	3667300.00	0.26928
490800.00	3667300.00	0.26916
487400.00	3667400.00	0.78415
487500.00	3667400.00	0.78292
487600.00	3667400.00	0.78590
487700.00	3667400.00	0.79271
487800.00	3667400.00	0.79578
487900.00	3667400.00	0.78587
488000.00	3667400.00	0.75134
488100.00	3667400.00	0.72227
488200.00	3667400.00	0.69196

Villages Escondido Construction PM

*** AERMOD - VERSION 16216r ***
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 05/09/17

*** AERMET - VERSION 15181 ***

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
 RURAL

*** THE PERIOD (26304
 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
 ALL ***

INCLUDING SOURCE(S) :

PAREA1 , PAREA2 , PAREA3 , PAREA4

DISCRETE CARTESIAN RECEPTOR POINTS ***

IN MICROGRAMS/M**3
 ** CONC OF PM_10
 **

X-COORD (M)	Y-COORD (M)	CONC
X-COORD (M)	Y-COORD (M)	CONC
488300.00	3667400.00	0.64349
488400.00	3667400.00	0.58134
488500.00	3667400.00	0.54477
488600.00	3667400.00	0.50675

Villages Escondido Construction PM

488700.00	3667400.00	0.46685
488800.00	3667400.00	0.43225
488900.00	3667400.00	0.41103
489000.00	3667400.00	0.42327
489100.00	3667400.00	0.43691
489200.00	3667400.00	0.41443
489300.00	3667400.00	0.40172
489400.00	3667400.00	0.36104
489500.00	3667400.00	0.30305
489600.00	3667400.00	0.30384
489700.00	3667400.00	0.26809
489800.00	3667400.00	0.17334
489900.00	3667400.00	0.12743
490000.00	3667400.00	0.24245
490100.00	3667400.00	0.31051
490200.00	3667400.00	0.31670
490300.00	3667400.00	0.30998
490400.00	3667400.00	0.31138
490500.00	3667400.00	0.30296
490600.00	3667400.00	0.30613
490700.00	3667400.00	0.30984
490800.00	3667400.00	0.31463
487400.00	3667500.00	0.88008

Villages Escondido Construction PM

487500.00	3667500.00	0.88233
487600.00	3667500.00	0.88143
487700.00	3667500.00	0.89897
487800.00	3667500.00	0.89188
487900.00	3667500.00	0.87228
488000.00	3667500.00	0.85432
488100.00	3667500.00	0.83345
488200.00	3667500.00	0.80214
488300.00	3667500.00	0.75791
488400.00	3667500.00	0.69837
488500.00	3667500.00	0.64322
488600.00	3667500.00	0.58320
488700.00	3667500.00	0.53301
488800.00	3667500.00	0.49547
488900.00	3667500.00	0.46825
489000.00	3667500.00	0.45593
489100.00	3667500.00	0.46065
489200.00	3667500.00	0.44086
489300.00	3667500.00	0.45226
489400.00	3667500.00	0.40386
489500.00	3667500.00	0.42236
489600.00	3667500.00	0.41191
489700.00	3667500.00	0.31024

Villages Escondido Construction PM		
489800.00	3667500.00	0.20012
489900.00	3667500.00	0.21518
490000.00	3667500.00	0.29847
490100.00	3667500.00	0.36297
490200.00	3667500.00	0.35336
490300.00	3667500.00	0.34648
490400.00	3667500.00	0.35252
490500.00	3667500.00	0.35784
490600.00	3667500.00	0.38203
490700.00	3667500.00	0.36782
490800.00	3667500.00	0.37652
487400.00	3667600.00	0.98618
487500.00	3667600.00	0.99174
487600.00	3667600.00	0.99551
487700.00	3667600.00	0.99920
487800.00	3667600.00	0.99962
487900.00	3667600.00	0.99646
488000.00	3667600.00	0.99117
488100.00	3667600.00	0.98041
488200.00	3667600.00	0.96239
488300.00	3667600.00	0.92339
488400.00	3667600.00	0.86277
488500.00	3667600.00	0.78685
488600.00	3667600.00	0.70883

Villages Escondido Construction PM

488700.00	3667600.00	0.63963
488800.00	3667600.00	0.59126
488900.00	3667600.00	0.55678
489000.00	3667600.00	0.52955
489100.00	3667600.00	0.50985
489200.00	3667600.00	0.47794

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
View\Villages Escondido Construction PM\Villages Esc ***
05/09/17

*** AERMET - VERSION 15181 *** ***

18:49:27

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

*** THE PERIOD (26304
HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
ALL ***

INCLUDING SOURCE(S) :

PAREA1 , PAREA2 , PAREA3 , PAREA4

,

DISCRETE CARTESIAN RECEPTOR POINTS ***

IN MICROGRAMS/M**3 ** CONC OF PM_10
**

Villages Escondido Construction PM

X-COORD (M)	Y-COORD (M)	CONC
X-COORD (M)	Y-COORD (M)	CONC

489300.00	3667600.00	0.46304
489400.00	3667600.00	0.46128
489500.00	3667600.00	0.45350
489600.00	3667600.00	0.45891
489700.00	3667600.00	0.46096
489800.00	3667600.00	0.39129
489900.00	3667600.00	0.37236
490000.00	3667600.00	0.42439
490100.00	3667600.00	0.41730
490200.00	3667600.00	0.42230
490300.00	3667600.00	0.41855
490400.00	3667600.00	0.41408
490500.00	3667600.00	0.43725
490600.00	3667600.00	0.33058
490700.00	3667600.00	0.27509
490800.00	3667600.00	0.41709
487400.00	3667700.00	1.09601
487500.00	3667700.00	1.11040
487600.00	3667700.00	1.13024
487700.00	3667700.00	1.14445

Villages Escondido Construction PM		
487800.00	3667700.00	1.14901
490400.00	3667700.00	0.50171
490500.00	3667700.00	0.51341
490600.00	3667700.00	0.43788
490700.00	3667700.00	0.35331
490800.00	3667700.00	0.44404
487400.00	3667800.00	1.21472
487500.00	3667800.00	1.22563
487600.00	3667800.00	1.25733
487700.00	3667800.00	1.32349
487800.00	3667800.00	1.32554
490400.00	3667800.00	0.59845
490500.00	3667800.00	0.45519
490600.00	3667800.00	0.36550
490700.00	3667800.00	0.34586
490800.00	3667800.00	0.39270
487400.00	3667900.00	1.30504
487500.00	3667900.00	1.35610
487600.00	3667900.00	1.37841
487700.00	3667900.00	1.45379
487800.00	3667900.00	1.50211
490400.00	3667900.00	0.70644
490500.00	3667900.00	0.67527
490600.00	3667900.00	0.43915

Villages Escondido Construction PM

490700.00	3667900.00	0.38043
490800.00	3667900.00	0.28954
487400.00	3668000.00	1.50518
487500.00	3668000.00	1.52631
487600.00	3668000.00	1.49916
487700.00	3668000.00	1.56260
487800.00	3668000.00	1.64246
490400.00	3668000.00	0.83739
490500.00	3668000.00	0.82291
490600.00	3668000.00	0.77137
490700.00	3668000.00	0.57532
490800.00	3668000.00	0.39638
487400.00	3668100.00	1.56763
487500.00	3668100.00	1.62938
487600.00	3668100.00	1.59459
487700.00	3668100.00	1.65973
487800.00	3668100.00	1.76629
490400.00	3668100.00	1.02328
490500.00	3668100.00	0.97546
490600.00	3668100.00	0.92072
490700.00	3668100.00	0.83672
490800.00	3668100.00	0.77307
487400.00	3668200.00	1.49824

Villages Escondido Construction PM

487500.00	3668200.00	1.60327
487600.00	3668200.00	1.67096
487700.00	3668200.00	1.73762
487800.00	3668200.00	1.85061
490400.00	3668200.00	1.18220
490500.00	3668200.00	1.08912
490600.00	3668200.00	1.02624
490700.00	3668200.00	0.99468
490800.00	3668200.00	0.94405
487400.00	3668300.00	1.49426
487500.00	3668300.00	1.62422
487600.00	3668300.00	1.74185
487700.00	3668300.00	1.79326

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
View\Villages Escondido Construction PM\Villages Esc ***
05/09/17

*** AERMET - VERSION 15181 *** ***

18:49:27

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

*** THE PERIOD (26304
HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
ALL ***

Villages Escondido Construction PM

INCLUDING SOURCE(S) :

PAREA1 , PAREA2 , PAREA3 , PAREA4

DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM₁₀

IN MICROGRAMS/M³

**

X-COORD (M)	Y-COORD (M)	CONC
X-COORD (M)	Y-COORD (M)	CONC
487800.00	3668300.00	1.92131
490400.00	3668300.00	1.12727
490500.00	3668300.00	0.87390
490600.00	3668300.00	0.78606
490700.00	3668300.00	1.04073
490800.00	3668300.00	1.09255
487400.00	3668400.00	1.48685
487500.00	3668400.00	1.60291
487600.00	3668400.00	1.73031
487700.00	3668400.00	1.85312
487800.00	3668400.00	1.99600
490400.00	3668400.00	0.83593
490500.00	3668400.00	0.71172
490600.00	3668400.00	0.67178

Villages Escondido Construction PM

490700.00	3668400.00	0.79714
490800.00	3668400.00	1.21600
487400.00	3668500.00	1.47879
487500.00	3668500.00	1.59983
487600.00	3668500.00	1.73649
487700.00	3668500.00	1.87939
487800.00	3668500.00	2.06133
490400.00	3668500.00	1.22023
490500.00	3668500.00	1.03046
490600.00	3668500.00	1.24015
490700.00	3668500.00	1.51287
490800.00	3668500.00	1.37708
487400.00	3668600.00	1.47835
487500.00	3668600.00	1.59556
487600.00	3668600.00	1.72465
487700.00	3668600.00	1.88930
487800.00	3668600.00	2.07956
490400.00	3668600.00	1.69103
490500.00	3668600.00	1.63511
490600.00	3668600.00	1.76146
490700.00	3668600.00	1.67664
490800.00	3668600.00	1.52964
487400.00	3668700.00	1.45339

Villages Escondido Construction PM

487500.00	3668700.00	1.58661
487600.00	3668700.00	1.70408
487700.00	3668700.00	1.88774
487800.00	3668700.00	2.10850
490400.00	3668700.00	2.20035
490500.00	3668700.00	1.96982
490600.00	3668700.00	2.00171
490700.00	3668700.00	1.78259
490800.00	3668700.00	1.64119
487400.00	3668800.00	1.35003
487500.00	3668800.00	1.48842
487600.00	3668800.00	1.62884
487700.00	3668800.00	1.81562
487800.00	3668800.00	2.02506
490400.00	3668800.00	2.44098
490500.00	3668800.00	2.13013
490600.00	3668800.00	2.05044
490700.00	3668800.00	1.86590
490800.00	3668800.00	1.55975
487400.00	3668900.00	1.07409
487500.00	3668900.00	1.29108
487600.00	3668900.00	1.43489
487700.00	3668900.00	1.58327

Villages Escondido Construction PM		
487800.00	3668900.00	1.80153
490400.00	3668900.00	2.32233
490500.00	3668900.00	2.04879
490600.00	3668900.00	1.95357
490700.00	3668900.00	1.83160
490800.00	3668900.00	1.39094
487400.00	3669000.00	0.78681
487500.00	3669000.00	1.06805
487600.00	3669000.00	1.18925
487700.00	3669000.00	1.32030
487800.00	3669000.00	1.49439
490400.00	3669000.00	1.84203
490500.00	3669000.00	1.63326
490600.00	3669000.00	1.49465
490700.00	3669000.00	1.57959
490800.00	3669000.00	1.23872
487400.00	3669100.00	0.34911
487500.00	3669100.00	0.42357
487600.00	3669100.00	0.54232
487700.00	3669100.00	0.39920

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
 View\Villages Escondido Construction PM\Villages Esc ***
 05/09/17

*** AERMET - VERSION 15181 *** ***

Villages Escondido Construction PM
18:49:27

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

*** THE PERIOD (26304
HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
ALL ***

INCLUDING SOURCE(S) :
PAREA1 , PAREA2 , PAREA3 , PAREA4
,

DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10
IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC
X-COORD (M)	Y-COORD (M)	CONC
487800.00	3669100.00	0.48649
490400.00	3669100.00	1.60074
490500.00	3669100.00	1.42065
490600.00	3669100.00	1.28769
490700.00	3669100.00	1.27577
490800.00	3669100.00	1.15461
487400.00	3669200.00	0.20240

Villages Escondido Construction PM

487500.00	3669200.00	0.21170
487600.00	3669200.00	0.25449
487700.00	3669200.00	0.26839
487800.00	3669200.00	0.31675
490400.00	3669200.00	1.33284
490500.00	3669200.00	1.18161
490600.00	3669200.00	1.11275
490700.00	3669200.00	1.04524
490800.00	3669200.00	0.98768
487400.00	3669300.00	0.16150
487500.00	3669300.00	0.17384
487600.00	3669300.00	0.19479
487700.00	3669300.00	0.22788
487800.00	3669300.00	0.27520
490400.00	3669300.00	1.07500
490500.00	3669300.00	0.95305
490600.00	3669300.00	0.90366
490700.00	3669300.00	0.84867
490800.00	3669300.00	0.81479
487400.00	3669400.00	0.14418
487500.00	3669400.00	0.15226
487600.00	3669400.00	0.16667
487700.00	3669400.00	0.21052

Villages Escondido Construction PM		
487800.00	3669400.00	0.30177
490400.00	3669400.00	0.86213
490500.00	3669400.00	0.81024
490600.00	3669400.00	0.75512
490700.00	3669400.00	0.73571
490800.00	3669400.00	0.75065
487400.00	3669500.00	0.12907
487500.00	3669500.00	0.13447
487600.00	3669500.00	0.14702
487700.00	3669500.00	0.17148
487800.00	3669500.00	0.23523
490400.00	3669500.00	0.70290
490500.00	3669500.00	0.69117
490600.00	3669500.00	0.67159
490700.00	3669500.00	0.66520
490800.00	3669500.00	0.67641
487400.00	3669600.00	0.11406
487500.00	3669600.00	0.11930
487600.00	3669600.00	0.12711
487700.00	3669600.00	0.14377
487800.00	3669600.00	0.17190
490400.00	3669600.00	0.57361
490500.00	3669600.00	0.55386
490600.00	3669600.00	0.57241

Villages Escondido Construction PM

490700.00	3669600.00	0.56063
490800.00	3669600.00	0.56076
487400.00	3669700.00	0.10114
487500.00	3669700.00	0.10558
487600.00	3669700.00	0.10863
487700.00	3669700.00	0.12440
487800.00	3669700.00	0.13025
490400.00	3669700.00	0.53690
490500.00	3669700.00	0.52920
490600.00	3669700.00	0.51994
490700.00	3669700.00	0.52287
490800.00	3669700.00	0.51749
487400.00	3669800.00	0.08819
487500.00	3669800.00	0.09199
487600.00	3669800.00	0.10077
487700.00	3669800.00	0.10842
487800.00	3669800.00	0.10767
490400.00	3669800.00	0.50836
490500.00	3669800.00	0.50515
490600.00	3669800.00	0.51236
490700.00	3669800.00	0.50839
490800.00	3669800.00	0.50080
487400.00	3669900.00	0.08217

Villages Escondido Construction PM
487500.00 3669900.00 0.08469

487600.00 3669900.00 0.08484
487700.00 3669900.00 0.09276

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
View\Villages Escondido Construction PM\Villages Esc ***
05/09/17

*** AERMET - VERSION 15181 *** ***

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

*** THE PERIOD (26304
HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
ALL ***

INCLUDING SOURCE(S) :

PAREA1 , PAREA2 , PAREA3 , PAREA4

,

DISCRETE CARTESIAN RECEPTOR POINTS ***

IN MICROGRAMS/M**3 ** CONC OF PM_10
**

X-COORD (M) Y-COORD (M) CONC
X-COORD (M) Y-COORD (M) CONC

Villages Escondido Construction PM		
487800.00	3669900.00	0.09221
487900.00	3669900.00	0.09877
488000.00	3669900.00	0.11086
488100.00	3669900.00	0.13358
488200.00	3669900.00	0.16649
488300.00	3669900.00	0.23672
488400.00	3669900.00	0.18372
488500.00	3669900.00	0.17570
488600.00	3669900.00	0.17435
488700.00	3669900.00	0.17868
488800.00	3669900.00	0.18812
488900.00	3669900.00	0.20427
489000.00	3669900.00	0.23194
489100.00	3669900.00	0.25107
489200.00	3669900.00	0.25662
489300.00	3669900.00	0.25852
489400.00	3669900.00	0.26410
489500.00	3669900.00	0.27505
489600.00	3669900.00	0.29730
489700.00	3669900.00	0.31675
489800.00	3669900.00	0.34424
489900.00	3669900.00	0.35422
490000.00	3669900.00	0.38261
490100.00	3669900.00	0.41013

Villages Escondido Construction PM

490200.00	3669900.00	0.46668
490300.00	3669900.00	0.49508
490400.00	3669900.00	0.49728
490500.00	3669900.00	0.48984
490600.00	3669900.00	0.48230
490700.00	3669900.00	0.47221
490800.00	3669900.00	0.48322
487400.00	3670000.00	0.07374
487500.00	3670000.00	0.07335
487600.00	3670000.00	0.07600
487700.00	3670000.00	0.07907
487800.00	3670000.00	0.08022
487900.00	3670000.00	0.08348
488000.00	3670000.00	0.09094
488100.00	3670000.00	0.10361
488200.00	3670000.00	0.12281
488300.00	3670000.00	0.16631
488400.00	3670000.00	0.14776
488500.00	3670000.00	0.14151
488600.00	3670000.00	0.13872
488700.00	3670000.00	0.14066
488800.00	3670000.00	0.14622
488900.00	3670000.00	0.16281

Villages Escondido Construction PM

489000.00	3670000.00	0.17749
489100.00	3670000.00	0.19531
489200.00	3670000.00	0.20564
489300.00	3670000.00	0.21659
489400.00	3670000.00	0.23248
489500.00	3670000.00	0.25667
489600.00	3670000.00	0.27635
489700.00	3670000.00	0.29514
489800.00	3670000.00	0.31234
489900.00	3670000.00	0.32589
490000.00	3670000.00	0.33410
490100.00	3670000.00	0.36549
490200.00	3670000.00	0.43902
490300.00	3670000.00	0.46636
490400.00	3670000.00	0.44973
490500.00	3670000.00	0.43349
490600.00	3670000.00	0.44277
490700.00	3670000.00	0.45597
490800.00	3670000.00	0.47888
487400.00	3670100.00	0.06506
487500.00	3670100.00	0.06592
487600.00	3670100.00	0.06803
487700.00	3670100.00	0.07037

Villages Escondido Construction PM		
487800.00	3670100.00	0.07149
487900.00	3670100.00	0.07437
488000.00	3670100.00	0.08055
488100.00	3670100.00	0.09272
488200.00	3670100.00	0.10827
488300.00	3670100.00	0.13978
488400.00	3670100.00	0.12026
488500.00	3670100.00	0.11835
488600.00	3670100.00	0.11378
488700.00	3670100.00	0.11651

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
 View\Villages Escondido Construction PM\Villages Esc ***
 05/09/17

*** AERMET - VERSION 15181 *** ***

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
 RURAL

*** THE PERIOD (26304
 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
 ALL ***

INCLUDING SOURCE(S) :

PAREA1 , PAREA2 , PAREA3 , PAREA4

,

Villages Escondido Construction PM
DISCRETE CARTESIAN RECEPTOR POINTS ***

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** CONC OF PM_10
IN MICROGRAMS/M**3

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X-COORD (M)		Y-COORD (M)		CONC
X-COORD (M)		Y-COORD (M)		CONC
488800.00		3670100.00		0.11887
488900.00		3670100.00		0.13277
489000.00		3670100.00		0.14587
489100.00		3670100.00		0.16217
489200.00		3670100.00		0.16865
489300.00		3670100.00		0.18015
489400.00		3670100.00		0.20262
489500.00		3670100.00		0.22705
489600.00		3670100.00		0.24478
489700.00		3670100.00		0.26666
489800.00		3670100.00		0.28590
489900.00		3670100.00		0.30624
490000.00		3670100.00		0.33641
490100.00		3670100.00		0.37267
490200.00		3670100.00		0.41181
490300.00		3670100.00		0.47488
490400.00		3670100.00		0.40858

Villages Escondido Construction PM

490500.00	3670100.00	0.39878
490600.00	3670100.00	0.42254
490700.00	3670100.00	0.44267
490800.00	3670100.00	0.42277
487400.00	3670200.00	0.05955
487500.00	3670200.00	0.06026
487600.00	3670200.00	0.06183
487700.00	3670200.00	0.06400
487800.00	3670200.00	0.06701
487900.00	3670200.00	0.07067
488000.00	3670200.00	0.07658
488100.00	3670200.00	0.08712
488200.00	3670200.00	0.10342
488300.00	3670200.00	0.10792
488400.00	3670200.00	0.10801
488500.00	3670200.00	0.09837
488600.00	3670200.00	0.09749
488700.00	3670200.00	0.09967
488800.00	3670200.00	0.10261
488900.00	3670200.00	0.11293
489000.00	3670200.00	0.12444
489100.00	3670200.00	0.13863
489200.00	3670200.00	0.14548

Villages Escondido Construction PM		
489300.00	3670200.00	0.16323
489400.00	3670200.00	0.17829
489500.00	3670200.00	0.19729
489600.00	3670200.00	0.21865
489700.00	3670200.00	0.23959
489800.00	3670200.00	0.26520
489900.00	3670200.00	0.28580
490000.00	3670200.00	0.31391
490100.00	3670200.00	0.34941
490200.00	3670200.00	0.37922
490300.00	3670200.00	0.43695
490400.00	3670200.00	0.45653
490500.00	3670200.00	0.46476
490600.00	3670200.00	0.47387
490700.00	3670200.00	0.48355
490800.00	3670200.00	0.48849
487400.00	3670300.00	0.05576
487500.00	3670300.00	0.05623
487600.00	3670300.00	0.05785
487700.00	3670300.00	0.06166
487800.00	3670300.00	0.06598
487900.00	3670300.00	0.07071
488000.00	3670300.00	0.07486
488100.00	3670300.00	0.08385

Villages Escondido Construction PM

488200.00	3670300.00	0.09178
488300.00	3670300.00	0.08905
488400.00	3670300.00	0.08569
488500.00	3670300.00	0.09116
488600.00	3670300.00	0.08839
488700.00	3670300.00	0.09118
488800.00	3670300.00	0.09687
488900.00	3670300.00	0.10377
489000.00	3670300.00	0.11039
489100.00	3670300.00	0.12019
489200.00	3670300.00	0.13327
489300.00	3670300.00	0.14695
489400.00	3670300.00	0.15728
489500.00	3670300.00	0.17234
489600.00	3670300.00	0.19415
489700.00	3670300.00	0.21481

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
 View\Villages Escondido Construction PM\Villages Esc ***
 05/09/17

*** AERMET - VERSION 15181 *** ***

18:49:27

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV

Villages Escondido Construction PM

RURAL

*** THE PERIOD (26304
HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
ALL ***

INCLUDING SOURCE(S) :

PAREA1 , PAREA2 , PAREA3 , PAREA4

DISCRETE CARTESIAN RECEPTOR POINTS ***

IN MICROGRAMS/M**3 ** CONC OF PM_10
**

X-COORD (M)	Y-COORD (M)	CONC
X-COORD (M)	Y-COORD (M)	CONC
489800.00	3670300.00	0.23723
489900.00	3670300.00	0.27011
490000.00	3670300.00	0.28732
490100.00	3670300.00	0.30536
490200.00	3670300.00	0.32580
490300.00	3670300.00	0.39916
490400.00	3670300.00	0.41149
490500.00	3670300.00	0.36450
490600.00	3670300.00	0.41795
490700.00	3670300.00	0.42665

Villages Escondido Construction PM		
490800.00	3670300.00	0.42877
486900.00	3666700.00	0.41459
487150.00	3666700.00	0.39942
487400.00	3666700.00	0.39691
487650.00	3666700.00	0.36611
487900.00	3666700.00	0.33726
488150.00	3666700.00	0.28438
488400.00	3666700.00	0.26014
488650.00	3666700.00	0.25655
488900.00	3666700.00	0.17688
489150.00	3666700.00	0.17533
489400.00	3666700.00	0.11692
489650.00	3666700.00	0.17904
489900.00	3666700.00	0.13635
490150.00	3666700.00	0.15595
490400.00	3666700.00	0.15700
490650.00	3666700.00	0.15888
490900.00	3666700.00	0.15856
491150.00	3666700.00	0.14447
491400.00	3666700.00	0.15052
486900.00	3666950.00	0.52509
487150.00	3666950.00	0.50571
487400.00	3666950.00	0.56216
487650.00	3666950.00	0.54869

Villages Escondido Construction PM

487900.00	3666950.00	0.47826
488150.00	3666950.00	0.38137
488400.00	3666950.00	0.33093
488650.00	3666950.00	0.31772
488900.00	3666950.00	0.29794
489150.00	3666950.00	0.28823
489400.00	3666950.00	0.23736
489650.00	3666950.00	0.22250
489900.00	3666950.00	0.15861
490150.00	3666950.00	0.19188
490400.00	3666950.00	0.18763
490650.00	3666950.00	0.18708
490900.00	3666950.00	0.18253
491150.00	3666950.00	0.18320
491400.00	3666950.00	0.19236
486900.00	3667200.00	0.64003
487150.00	3667200.00	0.63611
490900.00	3667200.00	0.23532
491150.00	3667200.00	0.23405
491400.00	3667200.00	0.24828
486900.00	3667450.00	0.84735
487150.00	3667450.00	0.82612
490900.00	3667450.00	0.32990

Villages Escondido Construction PM

491150.00	3667450.00	0.32414
491400.00	3667450.00	0.31195
486900.00	3667700.00	1.01175
487150.00	3667700.00	1.05165
490900.00	3667700.00	0.44073
491150.00	3667700.00	0.46402
491400.00	3667700.00	0.39915
486900.00	3667950.00	1.08244
487150.00	3667950.00	1.30215
490900.00	3667950.00	0.46154
491150.00	3667950.00	0.58429
491400.00	3667950.00	0.51697
486900.00	3668200.00	1.12862
487150.00	3668200.00	1.35884
490900.00	3668200.00	0.90711
491150.00	3668200.00	0.75485
491400.00	3668200.00	0.66352
486900.00	3668450.00	1.06434
487150.00	3668450.00	1.24189
490900.00	3668450.00	1.19028
491150.00	3668450.00	0.97208
491400.00	3668450.00	0.81817
486900.00	3668700.00	0.98501

Villages Escondido Construction PM

*** AERMOD - VERSION 16216r ***
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 View\Villages Escondido Construction PM\Villages Esc ***
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*** AERMET - VERSION 15181 ***

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
 RURAL

*** THE PERIOD (26304
 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
 ALL ***

INCLUDING SOURCE(S) :

PAREA1 , PAREA2 , PAREA3 , PAREA4

DISCRETE CARTESIAN RECEPTOR POINTS ***

IN MICROGRAMS/M**3
 ** CONC OF PM_10
 **

X-COORD (M)	Y-COORD (M)	CONC
X-COORD (M)	Y-COORD (M)	CONC
487150.00	3668700.00	1.18579
490900.00	3668700.00	1.44630
491150.00	3668700.00	1.17143
491400.00	3668700.00	0.96378

Villages Escondido Construction PM

486900.00	3668950.00	0.73592
487150.00	3668950.00	0.85697
490900.00	3668950.00	1.35884
491150.00	3668950.00	1.19590
491400.00	3668950.00	0.99977
486900.00	3669200.00	0.41611
487150.00	3669200.00	0.16841
490900.00	3669200.00	1.04780
491150.00	3669200.00	1.11878
491400.00	3669200.00	0.96483
486900.00	3669450.00	0.14401
487150.00	3669450.00	0.12160
490900.00	3669450.00	0.76525
491150.00	3669450.00	0.77581
491400.00	3669450.00	0.87046
486900.00	3669700.00	0.09742
487150.00	3669700.00	0.09564
490900.00	3669700.00	0.51813
491150.00	3669700.00	0.54602
491400.00	3669700.00	0.74245
486900.00	3669950.00	0.07958
487150.00	3669950.00	0.07402
490900.00	3669950.00	0.50262

Villages Escondido Construction PM

491150.00	3669950.00	0.58000
491400.00	3669950.00	0.63699
486900.00	3670200.00	0.06947
487150.00	3670200.00	0.05859
490900.00	3670200.00	0.49260
491150.00	3670200.00	0.50431
491400.00	3670200.00	0.51487
486900.00	3670450.00	0.06819
487150.00	3670450.00	0.05680
487400.00	3670450.00	0.05214
487650.00	3670450.00	0.05361
487900.00	3670450.00	0.06349
488150.00	3670450.00	0.07343
488400.00	3670450.00	0.07481
488650.00	3670450.00	0.07962
488900.00	3670450.00	0.09019
489150.00	3670450.00	0.11386
489400.00	3670450.00	0.13866
489650.00	3670450.00	0.18067
489900.00	3670450.00	0.22238
490150.00	3670450.00	0.31174
490400.00	3670450.00	0.32138
490650.00	3670450.00	0.31930

Villages Escondido Construction PM		
490900.00	3670450.00	0.32544
491150.00	3670450.00	0.40914
491400.00	3670450.00	0.42544
486900.00	3670700.00	0.11094
487150.00	3670700.00	0.07978
487400.00	3670700.00	0.05875
487650.00	3670700.00	0.05243
487900.00	3670700.00	0.05089
488150.00	3670700.00	0.05187
488400.00	3670700.00	0.05815
488650.00	3670700.00	0.06202
488900.00	3670700.00	0.07295
489150.00	3670700.00	0.09138
489400.00	3670700.00	0.12633
489650.00	3670700.00	0.15325
489900.00	3670700.00	0.19528
490150.00	3670700.00	0.20358
490400.00	3670700.00	0.22945
490650.00	3670700.00	0.23316
490900.00	3670700.00	0.24982
491150.00	3670700.00	0.32460
491400.00	3670700.00	0.34617
485900.00	3665700.00	0.28097
486400.00	3665700.00	0.23425

Villages Escondido Construction PM

486900.00	3665700.00	0.21081
487400.00	3665700.00	0.16225
487900.00	3665700.00	0.14148
488400.00	3665700.00	0.13784
488900.00	3665700.00	0.12643
489400.00	3665700.00	0.11147

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
View\Villages Escondido Construction PM\Villages Esc ***
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*** AERMET - VERSION 15181 *** ***

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

*** THE PERIOD (26304
HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
ALL ***

INCLUDING SOURCE(S) :

PAREA1 , PAREA2 , PAREA3 , PAREA4

,

DISCRETE CARTESIAN RECEPTOR POINTS ***

IN MICROGRAMS/M**3 ** CONC OF PM_10
**

Villages Escondido Construction PM

X-COORD (M)	Y-COORD (M)	CONC
X-COORD (M)	Y-COORD (M)	CONC

489900.00	3665700.00	0.09123
490400.00	3665700.00	0.07473
490900.00	3665700.00	0.08307
491400.00	3665700.00	0.07992
491900.00	3665700.00	0.07365
492400.00	3665700.00	0.07662
485900.00	3666200.00	0.33425
486400.00	3666200.00	0.34666
486900.00	3666200.00	0.28653
487400.00	3666200.00	0.25602
487900.00	3666200.00	0.18033
488400.00	3666200.00	0.18168
488900.00	3666200.00	0.17291
489400.00	3666200.00	0.10164
489900.00	3666200.00	0.10993
490400.00	3666200.00	0.10436
490900.00	3666200.00	0.11188
491400.00	3666200.00	0.10020
491900.00	3666200.00	0.10332
492400.00	3666200.00	0.11090

Villages Escondido Construction PM		
485900.00	3666700.00	0.45522
486400.00	3666700.00	0.45007
491900.00	3666700.00	0.15604
492400.00	3666700.00	0.15559
485900.00	3667200.00	0.54959
486400.00	3667200.00	0.60708
491900.00	3667200.00	0.22149
492400.00	3667200.00	0.22777
485900.00	3667700.00	0.61229
486400.00	3667700.00	0.77238
491900.00	3667700.00	0.30321
492400.00	3667700.00	0.31512
485900.00	3668200.00	0.64061
486400.00	3668200.00	0.86052
491900.00	3668200.00	0.53174
492400.00	3668200.00	0.25057
485900.00	3668700.00	0.51337
486400.00	3668700.00	0.67081
491900.00	3668700.00	0.73339
492400.00	3668700.00	0.59243
485900.00	3669200.00	0.39046
486400.00	3669200.00	0.46919
491900.00	3669200.00	0.72765
492400.00	3669200.00	0.53488

Villages Escondido Construction PM

485900.00	3669700.00	0.26897
486400.00	3669700.00	0.21928
491900.00	3669700.00	0.64598
492400.00	3669700.00	0.53904
485900.00	3670200.00	0.18435
486400.00	3670200.00	0.20628
491900.00	3670200.00	0.51000
492400.00	3670200.00	0.46467
485900.00	3670700.00	0.14855
486400.00	3670700.00	0.14521
491900.00	3670700.00	0.36146
492400.00	3670700.00	0.35447
485900.00	3671200.00	0.10021
486400.00	3671200.00	0.09292
486900.00	3671200.00	0.08169
487400.00	3671200.00	0.05747
487900.00	3671200.00	0.04839
488400.00	3671200.00	0.04401
488900.00	3671200.00	0.05683
489400.00	3671200.00	0.08464
489900.00	3671200.00	0.10979
490400.00	3671200.00	0.14614
490900.00	3671200.00	0.20697

Villages Escondido Construction PM

491400.00	3671200.00	0.25131
491900.00	3671200.00	0.26019
492400.00	3671200.00	0.25290
485900.00	3671700.00	0.06940
486400.00	3671700.00	0.06236
486900.00	3671700.00	0.04260
487400.00	3671700.00	0.03303
487900.00	3671700.00	0.03175
488400.00	3671700.00	0.03686
488900.00	3671700.00	0.05203
489400.00	3671700.00	0.06503
489900.00	3671700.00	0.07652
490400.00	3671700.00	0.09890

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
View\Villages Escondido Construction PM\Villages Esc ***
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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

*** THE PERIOD (26304
HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
ALL ***

Villages Escondido Construction PM

INCLUDING SOURCE(S) :

PAREA1 , PAREA2 , PAREA3 , PAREA4

DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10

IN MICROGRAMS/M**3

**

X-COORD (M)

Y-COORD (M)

CONC

X-COORD (M)

Y-COORD (M)

CONC

490900.00

3671700.00

0.15005

491400.00

3671700.00

0.17494

491900.00

3671700.00

0.15600

492400.00

3671700.00

0.17754

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
View\Villages Escondido Construction PM\Villages Esc ***
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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

*** THE SUMMARY

OF MAXIMUM PERIOD (26304 HRS) RESULTS ***

Villages Escondido Construction PM

```

** CONC OF PM_10
IN MICROGRAMS/M**3
**

```

NETWORK

GROUP ID

AVERAGE CONC

RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE

GRID-ID


```
ALL          1ST HIGHEST VALUE IS      45.06401 AT (
489600.00,   3668700.00,   228.47,   444.00,   0.00)  DC
```

2ND HIGHEST VALUE IS 44.63819 AT (489550.00, 3668700.00, 227.96, 444.00, 0.00) DC

3RD HIGHEST VALUE IS 44.53729 AT (489650.00, 3668700.00, 228.66, 444.00, 0.00) DC

4TH HIGHEST VALUE IS 44.05391 AT (489700.00, 3668700.00, 229.48, 444.00, 0.00) DC

```

      5TH HIGHEST VALUE IS      44.03327 AT (
489600.00,  3668650.00,   227.69,  444.00,    0.00)  DC

```

```

      6TH HIGHEST VALUE IS      43.71856 AT (
489500.00,  3668700.00,   226.17,  444.00,    0.00)  DC

```

```

              7TH HIGHEST VALUE IS          43.54474 AT (
489550.00,  3668650.00,   227.00,   444.00,    0.00)  DC

```

Villages Escondido Construction PM

8TH HIGHEST VALUE IS 43.54385 AT (
489650.00, 3668650.00, 228.00, 444.00, 0.00) DC

9TH HIGHEST VALUE IS 43.40563 AT (
489700.00, 3668650.00, 229.00, 444.00, 0.00) DC

10TH HIGHEST VALUE IS 43.08661 AT (
489500.00, 3668650.00, 225.88, 444.00, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

▲ *** AERMOD - VERSION 16216r *** *** C:\Lakes\AERMOD
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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV
RURAL

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 38 Warning Message(s)
A Total of 764 Informational Message(s)

Villages Escondido Construction PM

A Total of 26304 Hours Were Processed

A Total of 302 Calm Hours Identified

A Total of 462 Missing Hours Identified (
1.76 Percent)

***** FATAL ERROR MESSAGES *****

*** NONE ***

***** WARNING MESSAGES *****

ME W186 125 MEOPEN: THRESH_1MIN 1-min ASOS
wind speed threshold used 0.40

ME W530 125 MEOPEN: CAUTION! Met Station ID
Mismatch with SURFFILE for SURFDATA

MX W441 14167 METQA: Vert Pot Temp Grad abv ZI
set to min .005, KURDAT= 11081407

MX W441 14168 METQA: Vert Pot Temp Grad abv ZI
set to min .005, KURDAT= 11081408

MX W441 14169 METQA: Vert Pot Temp Grad abv ZI
set to min .005, KURDAT= 11081409

MX W441 14170 METQA: Vert Pot Temp Grad abv ZI
set to min .005, KURDAT= 11081410

MX W441 14171 METQA: Vert Pot Temp Grad abv ZI
set to min .005, KURDAT= 11081411

MX W441 14172 METQA: Vert Pot Temp Grad abv ZI
set to min .005, KURDAT= 11081412

MX W441 14173 METQA: Vert Pot Temp Grad abv ZI
set to min .005, KURDAT= 11081413

MX W441 14174 METQA: Vert Pot Temp Grad abv ZI
set to min .005, KURDAT= 11081414

MX W441 14175 METQA: Vert Pot Temp Grad abv ZI

Villages Escondido Construction PM

set to min	.005,	KURDAT=	11081415	
MX W441	14176		METQA: Vert Pot Temp Grad abv	ZI
set to min	.005,	KURDAT=	11081416	
MX W441	14177		METQA: Vert Pot Temp Grad abv	ZI
set to min	.005,	KURDAT=	11081417	
MX W441	14178		METQA: Vert Pot Temp Grad abv	ZI
set to min	.005,	KURDAT=	11081418	
MX W441	14191		METQA: Vert Pot Temp Grad abv	ZI
set to min	.005,	KURDAT=	11081507	
MX W441	14192		METQA: Vert Pot Temp Grad abv	ZI
set to min	.005,	KURDAT=	11081508	
MX W441	14193		METQA: Vert Pot Temp Grad abv	ZI
set to min	.005,	KURDAT=	11081509	
MX W441	14194		METQA: Vert Pot Temp Grad abv	ZI
set to min	.005,	KURDAT=	11081510	
MX W441	14195		METQA: Vert Pot Temp Grad abv	ZI
set to min	.005,	KURDAT=	11081511	
MX W441	14196		METQA: Vert Pot Temp Grad abv	ZI
set to min	.005,	KURDAT=	11081512	
MX W441	14197		METQA: Vert Pot Temp Grad abv	ZI
set to min	.005,	KURDAT=	11081513	
MX W441	14198		METQA: Vert Pot Temp Grad abv	ZI
set to min	.005,	KURDAT=	11081514	
MX W441	14199		METQA: Vert Pot Temp Grad abv	ZI
set to min	.005,	KURDAT=	11081515	
MX W441	14200		METQA: Vert Pot Temp Grad abv	ZI
set to min	.005,	KURDAT=	11081516	
MX W441	14201		METQA: Vert Pot Temp Grad abv	ZI
set to min	.005,	KURDAT=	11081517	
MX W441	14202		METQA: Vert Pot Temp Grad abv	ZI
set to min	.005,	KURDAT=	11081518	
MX W441	14215		METQA: Vert Pot Temp Grad abv	ZI
set to min	.005,	KURDAT=	11081607	
MX W441	14216		METQA: Vert Pot Temp Grad abv	ZI
set to min	.005,	KURDAT=	11081608	

Villages Escondido Construction PM

MX W441 14217 METQA: Vert Pot Temp Grad abv ZI
set to min .005, KURDAT= 11081609
MX W441 14218 METQA: Vert Pot Temp Grad abv ZI
set to min .005, KURDAT= 11081610
MX W441 14219 METQA: Vert Pot Temp Grad abv ZI
set to min .005, KURDAT= 11081611
MX W441 14220 METQA: Vert Pot Temp Grad abv ZI
set to min .005, KURDAT= 11081612
MX W441 14221 METQA: Vert Pot Temp Grad abv ZI
set to min .005, KURDAT= 11081613
MX W441 14222 METQA: Vert Pot Temp Grad abv ZI
set to min .005, KURDAT= 11081614
MX W441 14223 METQA: Vert Pot Temp Grad abv ZI
set to min .005, KURDAT= 11081615
MX W441 14224 METQA: Vert Pot Temp Grad abv ZI
set to min .005, KURDAT= 11081616
MX W441 14225 METQA: Vert Pot Temp Grad abv ZI
set to min .005, KURDAT= 11081617
MX W441 14226 METQA: Vert Pot Temp Grad abv ZI
set to min .005, KURDAT= 11081618

*** AERMOD Finishes Successfully ***

HARP Project Summary Report 6/2/2017 4:02:50 PM

PROJECT INFORMATION

HARP Version: 17052

Project Name: VILLAGES CONSTRUCTION HRA

Project Output Directory: C:\Users\dwaymire\Documents\Projects\9993 The Villages SP\VILLAGES CONSTRUCTION HRA

HARP Database: NA

FACILITY INFORMATION

Origin

X (m):0

Y (m):0

Zone:1

No. of Sources:0

No. of Buildings:0

EMISSION INVENTORY

No. of Pollutants:1

No. of Background Pollutants:0

Emissions

ScrID	StkID	ProID	PolID	PolAbbrev
Multi	Annual Ems	MaxHr Ems	MWAF	
(lbs/yr)	(lbs/hr)			

ALL	0	0	9901	
DieselExhPM	1	42.3975	0	1

Background

PolID	PolAbbrev	Conc (ug/m^3)	MWAF

Ground level concentration files (\glc\)

9901MAXHR.txt

9901PER.txt

POLLUTANT HEALTH INFORMATION

Health Database: C:\HARP2\Tables\HEALTH1.mdb

Health Table Version: HEALTH17052

Official: True

PolID	PolAbbrev	InhCancer	OralCancer	AcuteREL
InhChronicREL	OralChronicREL	InhChronic8HRREL		

9901	DieselExhPM	1.1		
5				

AIR DISPERSION MODELING INFORMATION

All executables were obtained from USEPA's Support Center for Regulatory Atmospheric Modeling website (<http://www.epa.gov/scram001/>)

AERMOD: 15181
AERMAP: 11103
BPIPPRM: 04274
AERPLOT: 13329

METEOROLOGICAL INFORMATION

Version:
Surface File:
Profile File:
Surface Station:
Upper Station:
On-Site Station:

LIST OF AIR DISPERSION FILES

AERMOD Input File:
AERMOD Output File:
AERMOD Error File:
Plotfile list

01H1GALL.PLT
PE00GALL.PLT

LIST OF RISK ASSESSMENT FILES

Health risk analysis files (\hra\)

4YR-CancerRisk.csv
4YR-CancerRiskSumByRec.csv
4YR-GLCLList.csv
4YR-HRAInput.hra
4YR-NCacuteRisk.csv
4YR-NCacuteRiskSumByRec.csv
4YR-NCChronicRisk.csv
4YR-NCChronicRiskSumByRec.csv
4YR-Output.txt
4YR-PathwayRec.csv
4YR-PolDB.csv
5YRRESCancerRisk.csv
5YRRESCancerRiskSumByRec.csv
5YRRESGLCLList.csv
5YRRESHRAInput.hra
5YRRESNCAcuteRisk.csv
5YRRESNCAcuteRiskSumByRec.csv
5YRRESNCChronicRisk.csv
5YRRESNCChronicRiskSumByRec.csv
5YRRESOutput.txt
5YRESPathwayRec.csv
5YRESPolDB.csv
6YMitResCancerRisk.csv
6YMitResCancerRiskSumByRec.csv
6YMitResGLCLList.csv
6YMitResHRAInput.hra
6YMitResNCAcuteRisk.csv

6YMitResNCAcuteRiskSumByRec.csv
6YMitResNCChronicRisk.csv
6YMitResNCChronicRiskSumByRec.csv
6YMitResOutput.txt
6YMitResPathwayRec.csv
6YMitResPolDB.csv
9YR-CancerRisk.csv
9YR-CancerRiskSumByRec.csv
9YR-GLCList.csv
9YR-HRAInput.hra
9YR-NCAcuteRisk.csv
9YR-NCAcuteRiskSumByRec.csv
9YR-NCChronicRisk.csv
9YR-NCChronicRiskSumByRec.csv
9YR-Output.txt
9YR-PathwayRec.csv
9YR-PolDB.csv
Ph1CancerRisk.csv
Ph1CancerRiskSumByRec.csv
Ph1GLCList.csv
Ph1HRAInput.hra
Ph1NCAcuteRisk.csv
Ph1NCAcuteRiskSumByRec.csv
Ph1NCChronicRisk.csv
Ph1NCChronicRiskSumByRec.csv
Ph1Output.txt
Ph1PathwayRec.csv
Ph1PolDB.csv
Ph2CancerRisk.csv
Ph2CancerRiskSumByRec.csv
Ph2GLCList.csv
Ph2HRAInput.hra
Ph2NCAcuteRisk.csv
Ph2NCAcuteRiskSumByRec.csv
Ph2NCChronicRisk.csv
Ph2NCChronicRiskSumByRec.csv
Ph2Output.txt
Ph2PathwayRec.csv
Ph2PolDB.csv
Ph3CancerRisk.csv
Ph3CancerRiskSumByRec.csv
Ph3GLCList.csv
Ph3HRAInput.hra
Ph3NCAcuteRisk.csv
Ph3NCAcuteRiskSumByRec.csv
Ph3NCChronicRisk.csv
Ph3NCChronicRiskSumByRec.csv
Ph3Output.txt
Ph3PathwayRec.csv
Ph3PolDB.csv
Ph4CancerRisk.csv
Ph4CancerRiskSumByRec.csv
Ph4GLCList.csv
Ph4HRAInput.hra

Ph4NCAcuteRisk.csv
Ph4NCAcuteRiskSumByRec.csv
Ph4NCChronicRisk.csv
Ph4NCChronicRiskSumByRec.csv
Ph4Output.txt
Ph4PathwayRec.csv
Ph4PolDB.csv

Spatial averaging files (\sa\)

APPENDIX C

CO Hotspots Analysis

APPENDIX C

CO Hotspots Screening Evaluation

To verify that the project would not cause or contribute to a violation of the CO standards, a screening evaluation of the potential for CO hotspots was conducted. The California Department of Transportation (Caltrans) and the U.C. Davis Institute of Transportation Studies *Transportation Project-Level Carbon Monoxide Protocol* (CO Protocol) (Caltrans 1997), and the SCAQMD *CEQA Air Quality Handbook* (SCAQMD 1993) were followed. The California Department of Transportation (Caltrans) and the U.C. Davis Institute of Transportation Studies *Transportation Project-Level Carbon Monoxide Protocol* (CO Protocol) (Caltrans 1997) were followed. CO hotspots are typically evaluated when (1) the LOS of an intersection or roadway decreases to LOS E or worse, (2) signalization and/or channelization is added to an intersection, and (3) sensitive receptors such as residences, schools, and hospitals are located in the vicinity of the affected intersection or roadway segment.

For each scenario (existing plus cumulative projects plus total project and horizon year plus total project), the screening evaluation presents LOS with project improvements (mitigation), whether the recommended improvements (mitigation measures) are feasible, and whether a quantitative CO hotspots analysis may be required. According to the CO Protocol, there is a cap on the number of intersections that need to be analyzed for any one project. For a single project with multiple intersections, only the three intersections representing the worst LOS ratings of the project, and, to the extent they are different intersections, the three intersections representing the highest traffic volumes, need be analyzed. For each intersection failing a screening test as described in this protocol, an additional intersection should be analyzed (Caltrans 1997).

Table 1 shows a summary of the Project's LOS for all 17 intersections evaluated for existing year 2023 and horizon year 2035.

APPENDIX C (Continued)

Table 1
The Villages – Escondido Country Club Intersection Analysis

Intersection	Control Type	Peak Hour	Existing + Cumulative Projects	Existing + Cumulative Projects + Project	Horizon Year without Project	Horizon Year with Project
			LOS	LOS	LOS	LOS
1. Centre City Pkwy / Nutmeg St	MSSC	AM PM	D C	D C	F F	F F
2. Country Club Ln / Golden Circle Dr	MSSC	AM PM	E C	F F	F F	F F
3. Country Club Ln / Gary Ln	AWSC	AM PM	B A	B B	F C	F C
4. Country Club Ln / Firestone Dr	MSSC	AM PM	A B	A B	B B	B C
5. Country Club Ln / La Brea St	AWSC	AM PM	A A	B B	B B	D C
6. Country Club Ln / Nutmeg St	AWSC	AM PM	C E	D E	F F	F F
7. Country Club Ln / Centre City Pkwy	Signal	AM PM	C C	C C	D C	D C
8. El Norte Pkwy / Woodland Pkwy	Signal	AM PM	D C	D C	F E	F E
9. El Norte Pkwy / Country Club Ln	Signal	AM PM	E D	E D	F F	F F
10. El Norte Pkwy / Bennett Ave	Signal	AM PM	C C	C C	C D	D D
11. El Norte Pkwy / Rees Road	Signal	AM PM	B B	B B	C D	C D
12. El Norte Pkwy / Nutmeg Street / Nordahl Rd	Signal	AM PM	C D	C D	D E	D E
13. El Norte Pkwy / I-15 SB Ramps	Signal	AM PM	C B	C B	D B	D B
14. El Norte Pkwy / I-15 NB Ramps	Signal	AM PM	C D	C D	B D	B D
15. El Norte Pkwy / 7 Oaks Rd	Signal	AM PM	B C	B C	C D	C D
16. El Norte Pkwy / Centre City Pkwy	Signal	AM PM	E D	E D	E E	E E
17. El Norte Pkwy / Broadway	Signal	AM PM	F F	F F	F F	F F

Notes: AWSC – All-way stop controlled intersection; OWSC – One-way stop controlled intersection; LOS – Level of service. Bold indicates a LOS of E or worse.

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Country&Golden2023
RUN: STANDARD RUN (WORST CASE ANGLE)
POLLUTANT: CO

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 219.5 (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 3.2 PPM
SIGTH= 10. DEGREES TEMP= 3.2 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (FT)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(FT)	(FT)
A. Golden Circi	*	500	36	30	36	* AG	0	2.8	0.0	33.0
B. Golden Circl	*	500	18	-30	18	* AG	13	2.8	0.0	33.0
C. Golden Circl	*	500	-12	-18	-12	* AG	152	2.8	0.0	33.0
D. Golden Circl	*	-30	18	-500	18	* AG	153	2.8	0.0	33.0
E. Country Club	*	-500	-12	30	-12	* AG	507	2.8	0.0	33.0
F. Country Club	*	-500	-54	-18	-54	* AG	4	2.8	0.0	33.0
G. Country Club	*	0	-36	500	-36	* AG	10	2.8	0.0	33.0
H. Country Club	*	12	-500	12	18	* AG	39	2.8	0.0	33.0
I. Country Club	*	30	-500	30	-12	* AG	35	2.8	0.0	33.0
J. Country Club	*	42	-500	42	-36	* AG	31	2.8	0.0	33.0
K. Country Club	*	30	-12	30	500	* AG	118	2.8	0.0	33.0
L. Country Club	*	0	500	0	-36	* AG	41	2.8	0.0	33.0
M. Project Dwy	*	-18	500	-18	-12	* AG	22	2.8	0.0	33.0
N. Project Dwy	*	-30	500	-30	18	* AG	70	2.8	0.0	33.0
O. Project Dwy	*	-18	-12	-18	-500	* AG	0	2.8	0.0	33.0
P. Project Dwy	*	-500	-36	0	-36	* AG	729	2.8	0.0	33.0

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)		
	*	X	Y	Z
1. SR1	*	-60	50	5.9
2. SR2	*	60	70	5.9
3. SR3	*	-50	-80	5.9
4. SR4	*	70	-70	5.9

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      JOB: Country&Golden2023
      RUN: STANDARD RUN          (WORST CASE ANGLE)
POLLUTANT: CO

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RECEPTOR	* * * *	* BRG (DEG)	* * * *	PRED CONC (PPM)	* * * *	A	B	C	CONC/LINK (PPM)				
									D	E	F	G	H
1. SR1	*	250.	*	3.3	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
2. SR2	*	251.	*	3.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SR3	*	288.	*	3.4	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. SR4	*	282.	*	3.4	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0

	*	CONC/LINK							
	*	(PPM)							
RECEPTOR	*	I	J	K	L	M	N	O	P
1. SR1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
2. SR2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
3. SR3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
4. SR4	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Country&Golden2035
RUN: STANDARD RUN (WORST CASE ANGLE)
POLLUTANT: CO

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 219.5 (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 3.2 PPM
SIGTH= 10. DEGREES TEMP= 3.2 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (FT)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(FT)	(FT)
A. Golden Circi	*	500	36	30	36	* AG	0	2.6	0.0	33.0
B. Golden Circl	*	500	18	-30	18	* AG	15	2.6	0.0	33.0
C. Golden Circl	*	500	-12	-18	-12	* AG	90	2.6	0.0	33.0
D. Golden Circl	*	-30	18	-500	18	* AG	585	2.6	0.0	33.0
E. Country Club	*	-500	-12	30	-12	* AG	390	2.6	0.0	33.0
F. Country Club	*	-500	-54	-18	-54	* AG	20	2.6	0.0	33.0
G. Country Club	*	0	-36	500	-36	* AG	40	2.6	0.0	33.0
H. Country Club	*	12	-500	12	18	* AG	170	2.6	0.0	33.0
I. Country Club	*	30	-500	30	-12	* AG	150	2.6	0.0	33.0
J. Country Club	*	42	-500	42	-36	* AG	110	2.6	0.0	33.0
K. Country Club	*	30	-12	30	500	* AG	550	2.6	0.0	33.0
L. Country Club	*	0	500	0	-36	* AG	150	2.6	0.0	33.0
M. Project Dwy	*	-18	500	-18	-12	* AG	20	2.6	0.0	33.0
N. Project Dwy	*	-30	500	-30	18	* AG	50	2.6	0.0	33.0
O. Project Dwy	*	-18	-12	-18	-500	* AG	0	2.6	0.0	33.0
P. Project Dwy	*	-500	-36	0	-36	* AG	530	2.6	0.0	33.0

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)		
	*	X	Y	Z
1. SR1	*	-60	50	5.9
2. SR2	*	60	70	5.9
3. SR3	*	-50	-80	5.9
4. SR4	*	70	-70	5.9

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      JOB: Country&Golden2035
      RUN: STANDARD RUN          (WORST CASE ANGLE)
POLLUTANT: CO

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[illegible]

	*	CONC/LINK							
	*	(PPM)							
RECEPTOR	*	I	J	K	L	M	N	O	P
1. SR1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. SR2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SR3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. SR4	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Country&Nutmeg2023
RUN: STANDARD RUN (WORST CASE ANGLE)
POLLUTANT: CO

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 229.2 (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 3.2 PPM
SIGTH= 10. DEGREES TEMP= 3.2 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (FT)				*		EF	H	W	
DESCRIPTION	*	X1	Y1	X2	Y2	*	TYPE	VPH	(G/MI)	(FT)	(FT)
A. Country Club	*	500	36	30	36	*	AG	17	2.8	0.0	33.0
B. Country Club	*	500	18	-30	18	*	AG	235	2.8	0.0	33.0
C. Country Club	*	500	-12	-18	-12	*	AG	38	2.8	0.0	33.0
D. Country Club	*	-30	18	-500	18	*	AG	462	2.8	0.0	33.0
E. Country Club	*	-500	-12	30	-12	*	AG	329	2.8	0.0	33.0
F. Country Club	*	-500	-54	-18	-54	*	AG	487	2.8	0.0	33.0
G. Country Club	*	0	-36	500	-36	*	AG	27	2.8	0.0	33.0
H. Country Club	*	12	-500	12	18	*	AG	571	2.8	0.0	33.0
I. Nutmeg NBLA	*	30	-500	30	-12	*	AG	14	2.8	0.0	33.0
J. Nutmeg NBTA	*	42	-500	42	-36	*	AG	36	2.8	0.0	33.0
K. Nutmeg NBRA	*	30	-12	30	500	*	AG	171	2.8	0.0	33.0
L. Nutmeg NBD	*	0	500	0	-36	*	AG	80	2.8	0.0	33.0
M. Nutmeg SBLA	*	-18	500	-18	-12	*	AG	56	2.8	0.0	33.0
N. Nutmeg SBTA	*	-30	500	-30	18	*	AG	151	2.8	0.0	33.0
O. Nutmeg SBRA	*	-18	-12	-18	-500	*	AG	70	2.8	0.0	33.0
P. Nutmeg SBD	*	-500	-36	0	-36	*	AG	518	2.8	0.0	33.0

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)		
	*	X	Y	Z
1. SR1	*	-60	50	5.9
2. SR2	*	60	70	5.9
3. SR3	*	-50	-80	5.9
4. SR4	*	70	-70	5.9

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JOB: Country&Nutmeg2023
RUN: STANDARD RUN      (WORST CASE ANGLE)
POLLUTANT: CO

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RECEPTOR	*		*	PRED	*	CONC/LINK							
	*	BRG	*	CONC	*	(PPM)							
	*	(DEG)	*	(PPM)	*	A	B	C	D	E	F	G	H
1. SR1	*	249.	*	3.4	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
2. SR2	*	250.	*	3.4	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SR3	*	287.	*	3.4	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
4. SR4	*	280.	*	3.5	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0

	*	CONC/LINK							
	*	(PPM)							
RECEPTOR	*	I	J	K	L	M	N	O	P
1. SR1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. SR2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SR3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
4. SR4	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Country&Nutmeg2035
RUN: STANDARD RUN (WORST CASE ANGLE)
POLLUTANT: CO

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 229.2 (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 3.2 PPM
SIGTH= 10. DEGREES TEMP= 3.2 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (FT)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(FT)	(FT)
A. Country Club	*	500	36	30	36	* AG	40	2.6	0.0	33.0
B. Country Club	*	500	18	-30	18	* AG	340	2.6	0.0	33.0
C. Country Club	*	500	-12	-18	-12	* AG	50	2.6	0.0	33.0
D. Country Club	*	-30	18	-500	18	* AG	660	2.6	0.0	33.0
E. Country Club	*	-500	-12	30	-12	* AG	360	2.6	0.0	33.0
F. Country Club	*	-500	-54	-18	-54	* AG	740	2.6	0.0	33.0
G. Country Club	*	0	-36	500	-36	* AG	60	2.6	0.0	33.0
H. Country Club	*	12	-500	12	18	* AG	930	2.6	0.0	33.0
I. Nutmeg NBLA	*	30	-500	30	-12	* AG	20	2.6	0.0	33.0
J. Nutmeg NBTA	*	42	-500	42	-36	* AG	80	2.6	0.0	33.0
K. Nutmeg NBRA	*	30	-12	30	500	* AG	190	2.6	0.0	33.0
L. Nutmeg NBD	*	0	500	0	-36	* AG	180	2.6	0.0	33.0
M. Nutmeg SBLA	*	-18	500	-18	-12	* AG	130	2.6	0.0	33.0
N. Nutmeg SBTA	*	-30	500	-30	18	* AG	340	2.6	0.0	33.0
O. Nutmeg SBRA	*	-18	-12	-18	-500	* AG	170	2.6	0.0	33.0
P. Nutmeg SBD	*	-500	-36	0	-36	* AG	750	2.6	0.0	33.0

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)		
	*	X	Y	Z
1. SR1	*	-60	50	5.9
2. SR2	*	60	70	5.9
3. SR3	*	-50	-80	5.9
4. SR4	*	70	-70	5.9

```

      JOB: Country&Nutmeg2035
      RUN: STANDARD RUN      (WORST CASE ANGLE)
POLLUTANT: CO

```

	* *	* BRG	* (DEG)	PRED CONC (PPM)	*	A	B	C	CONC/LINK (PPM) D	E	F	G	H
RECEPTOR	*	*	*	*	*								
1. SR1	*	163.	*	3.5	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
2. SR2	*	250.	*	3.4	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
3. SR3	*	287.	*	3.5	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
4. SR4	*	280.	*	3.5	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1

	*	CONC/LINK							
	*	(PPM)							
RECEPTOR	*	I	J	K	L	M	N	O	P
1. SR1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. SR2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SR3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
4. SR4	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: El Norte&Nutmeg2023
RUN: STANDARD RUN (WORST CASE ANGLE)
POLLUTANT: CO

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 234.7 (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 3.2 PPM
SIGTH= 10. DEGREES TEMP= 3.2 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (FT)				*		EF	H	W	
DESCRIPTION	*	X1	Y1	X2	Y2	*	TYPE	VPH	(G/MI)	(FT)	(FT)
A. El Norte WBR	*	500	36	30	36	*	AG	83	2.8	0.0	33.0
B. El Norte WBT	*	500	18	-30	18	*	AG	902	2.8	0.0	33.0
C. El Norte WBL	*	500	-12	-18	-12	*	AG	51	2.8	0.0	33.0
D. El Norte WBD	*	-30	18	-500	18	*	AG	1417	2.8	0.0	33.0
E. El Norte EBL	*	-500	-12	30	-12	*	AG	184	2.8	0.0	33.0
F. El Norte EBT	*	-500	-54	-18	-54	*	AG	919	2.8	0.0	33.0
G. El Norte EBR	*	0	-36	500	-36	*	AG	216	2.8	0.0	33.0
H. El Norte EBD	*	12	-500	12	18	*	AG	1030	2.8	0.0	33.0
I. Nordahl NBLA	*	30	-500	30	-12	*	AG	64	2.8	0.0	33.0
J. Nordahl NBTA	*	42	-500	42	-36	*	AG	266	2.8	0.0	33.0
K. Nordahl NBRA	*	30	-12	30	500	*	AG	283	2.8	0.0	33.0
L. Nordahl NBD	*	0	500	0	-36	*	AG	565	2.8	0.0	33.0
M. Nutmeg SBLA	*	-18	500	-18	-12	*	AG	232	2.8	0.0	33.0
N. Nutmeg SBTA	*	-30	500	-30	18	*	AG	131	2.8	0.0	33.0
O. Nutmeg SBRA	*	-18	-12	-18	-500	*	AG	47	2.8	0.0	33.0
P. Nutmeg SBD	*	-500	-36	0	-36	*	AG	366	2.8	0.0	33.0

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)		
	*	X	Y	Z
1. SR1	*	-60	50	5.9
2. SR2	*	60	70	5.9
3. SR3	*	-50	-80	5.9
4. SR4	*	70	-70	5.9

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      JOB: El Norte&Nutmeg2023
      RUN: STANDARD RUN      (WORST CASE ANGLE)
POLLUTANT: CO

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	*	CONC/LINK							
	*	(PPM)							
RECEPTOR	*	I	J	K	L	M	N	O	P
1. SR1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. SR2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SR3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. SR4	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: El Norte&Nutmeg2035
RUN: STANDARD RUN (WORST CASE ANGLE)
POLLUTANT: CO

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 234.7 (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 3.2 PPM
SIGTH= 10. DEGREES TEMP= 3.2 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (FT)				*		EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH	(G/MI)	(FT)	(FT)
A. El Norte WBR	*	500	36	30	36	* AG	120	2.6	0.0	33.0
B. El Norte WBT	*	500	18	-30	18	* AG	1110	2.6	0.0	33.0
C. El Norte WBL	*	500	-12	-18	-12	* AG	60	2.6	0.0	33.0
D. El Norte WBD	*	-30	18	-500	18	* AG	1730	2.6	0.0	33.0
E. El Norte EBL	*	-500	-12	30	-12	* AG	200	2.6	0.0	33.0
F. El Norte EBT	*	-500	-54	-18	-54	* AG	1190	2.6	0.0	33.0
G. El Norte EBR	*	0	-36	500	-36	* AG	290	2.6	0.0	33.0
H. El Norte EBD	*	12	-500	12	18	* AG	1340	2.6	0.0	33.0
I. Nordahl NBLA	*	30	-500	30	-12	* AG	80	2.6	0.0	33.0
J. Nordahl NBTA	*	42	-500	42	-36	* AG	320	2.6	0.0	33.0
K. Nordahl NBRA	*	30	-12	30	500	* AG	300	2.6	0.0	33.0
L. Nordahl NBD	*	0	500	0	-36	* AG	730	2.6	0.0	33.0
M. Nutmeg SBLA	*	-18	500	-18	-12	* AG	320	2.6	0.0	33.0
N. Nutmeg SBTA	*	-30	500	-30	18	* AG	160	2.6	0.0	33.0
O. Nutmeg SBRA	*	-18	-12	-18	-500	* AG	70	2.6	0.0	33.0
P. Nutmeg SBD	*	-500	-36	0	-36	* AG	420	2.6	0.0	33.0

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)		
	*	X	Y	Z
1. SR1	*	-60	50	5.9
2. SR2	*	60	70	5.9
3. SR3	*	-50	-80	5.9
4. SR4	*	70	-70	5.9

JOB: El Norte&Nutmeg2035
 RUN: STANDARD RUN (WORST CASE ANGLE)
 POLLUTANT: CO

	*	CONC/LINK							
	*	(PPM)							
RECEPTOR	*	I	J	K	L	M	N	O	P
1. SR1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. SR2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SR3	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
4. SR4	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1