

APPENDIX 2.4-1
Greenhouse Gas Emissions Report

**Greenhouse Gas Emissions Technical Report
for The Villages – Escondido Country Club Project
City of Escondido, California**

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ACRONYMS AND ABBREVIATIONS

Acronym/Abbreviation	Definition
AB	Assembly Bill
BAU	business-as-usual
CALGreen	California Green Building Standards Code
CalRecycle	California Department of Resources Recycling and Recovery
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CH ₄	methane
CO ₂	carbon dioxide
CO ₂ E	carbon dioxide equivalent
CPUC	California Public Utilities Commission
E-CAP	Escondido Climate Action Plan
EIR	environmental impact report
EO	Executive Order
EPA	U.S. Environmental Protection Agency
GHG	greenhouse gas
GWP	global warming potential
H ₂ O	water vapor
HCFC	hydrochlorofluorocarbon
HFC	hydrofluorocarbon
IPCC	Intergovernmental Panel on Climate Change
LCFS	Low Carbon Fuel Standard
MT	metric ton
MMT	million metric ton
N ₂ O	nitrous oxide
NHTSA	National Highway Traffic Safety Administration
O ₂	molecular oxygen
O ₃	ozone
PFC	perfluorocarbon
PM _{2.5}	fine particulate matter
RPS	Renewables Portfolio Standard
RTP	Regional Transportation Plan
SANDAG	San Diego Association of Governments
SB	Senate Bill
SCS	Sustainable Communities Strategy
SF ₆	sulfur hexafluoride

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EXECUTIVE SUMMARY

The purpose of this technical report is to assess the potential greenhouse gas (GHG) emissions impacts associated with implementation of the proposed The Villages – Escondido Country Club Project (proposed 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.). Specifically, this GHG emissions analysis evaluates the potential for the Project to generate GHG emissions that may have a significant impact on the environment, and the potential for the Project to conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing GHG emissions.

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 the 392-unit residential project on the existing Escondido Country Club golf course. The total Project area is approximately 109.3 acres. The new land uses proposed for the Villages Specific Plan area include an 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 and bicycling trail system.

Impact Analysis Summary

Global climate change is primarily considered a cumulative impact, but must also be evaluated at the project level under CEQA. A project potentially may contribute to global climate change through its incremental contribution of GHG emissions, when combined with the cumulative increase of all other sources of GHG emissions.

The principal GHGs regulated under state law for purposes of land use development include carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O). GHG emissions are measured in metric tons of CO₂ equivalent (MT CO₂E), which accounts for weighted global warming potential factors for CH₄ and N₂O.

Project-Generated Construction and Operational Greenhouse Gas Emissions

Estimated annual Project-generated construction and operational GHG emissions were calculated using the California Emissions Estimator Model (CalEEMod) Version 2016.3.1. CalEEMod

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provides a platform to calculate both construction and operational emissions from land use development projects. The model was developed for the California Air Pollution Control Officers Association in collaboration with multiple air districts across the State of California, including the San Diego Air Pollution Control District. Numerous lead agencies in the State, including the City of Escondido, use CalEEMod to estimate GHG emissions in accordance with CEQA Guidelines, Section 15064.4(a)(1).

Construction of the Project would result in GHG emissions primarily associated with use of off-road construction equipment, on-road hauling and vendor (material delivery) trucks, and worker vehicles. Total Project-generated GHG emissions during construction were estimated to be 7,873 MT CO₂E, or 262 MT CO₂E per year when amortized over 30 years.

The Project would generate operational GHG emissions from area sources (hearths and landscape maintenance), energy sources (electricity and natural gas consumption), mobile sources (vehicle trips), water supply and wastewater treatment, and solid waste. Estimated annual Project-generated operational GHG emissions at build-out in 2023 would be approximately 5,673 MT CO₂E per year. Estimated annual Project-generated operational emissions in 2023, plus amortized Project construction emissions, would be approximately 5,936 MT CO₂E per year.

Potential to Generate Significant GHG Emissions

City of Escondido Climate Action Plan

The City adopted the Escondido Climate Action Plan (E-CAP) in December 2013, which is a qualified GHG emissions reduction plan through 2020 from which future development within the City can tier from, and thereby, streamline the environmental analysis necessary under CEQA (see 14 CCR 15183.5). The City also adopted CEQA Thresholds and Screening Tables for GHG emissions in December 2013 to evaluate and mitigate project-generated GHG emissions impacts through the Development Review Process. The first component of the two-part analysis is a 2,500 MT CO₂E per year screening threshold. If a project exceeds the 2,500 MT CO₂E screening threshold, the second component requires that the project incorporate reduction measures from the E-CAP's screening tables to determine overall project consistency with the E-CAP. Although these reduction measures were not intended to expressly define "consistency" of a specific project with the E-CAP, a project that implements the reduction measures would assist in achieving attainment of the E-CAP's goals for the City as a whole and therefore, would not conflict with the E-CAP. Each GHG reduction measure is assigned a point value and 100 points are required to be considered consistent with the E-CAP and, therefore, less than significant under CEQA.

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The Project's total operational emissions exceeded the E-CAP threshold of 2,500 MT CO₂E per year; therefore, the E-CAP screening tables were applied. In accordance with the City's guidance for a mixed-use project, the Project scored 106.4 points. Because the Project achieved greater than the minimum 100 points, the Project would not conflict with the E-CAP.

City-Specific Efficiency Metric Threshold

This analysis also developed a City-specific efficiency metric threshold to determine significance, which is expressed as MT CO₂E per service population per year (MT/SP/year). A project's "service population" refers to a project's residents plus employees that would be generated by the project. Because there are no GHG emissions, employment, or population data specific to the Project's build-out year of 2023, an efficiency metric threshold was generated for year 2023 by interpolating the efficiency metrics for Years 2020 and 2035.

To develop the 2020 efficiency metric, citywide GHG emissions from the E-CAP were used for year 2020. The service population for 2020 was estimated using the City's General Plan Environmental Impact Report (City of Escondido 2012a) forecasted residential population for 2020 and the San Diego Association of Governments (SANDAG) 2050 Regional Growth Forecast Series 12 for employment in 2020.

To develop the efficiency metric for 2035, the City's forecasted emissions in 2020, as provided in the E-CAP, were reduced by 5.2% per year through 2035, in accordance with the California Air Resources Board's linear trajectory of the statewide reductions needed to occur between 2020 and 2050 in order for the state to achieve its 2050 reduction target (CARB 2015b). The SANDAG 2050 Regional Growth Forecast Series 13 was then used for Year 2035 population and employment data for the City.

To estimate the residents for the Project, the persons per household ratio for 2020 and 2035 from the SANDAG Series 13 were used to interpolate the persons per household ratio for 2023. The expected residents for the Project is 1,254, the total number of employees is 94, giving the Project a service population of 1,348. The calculated 2023 efficiency metric threshold was 3.15 MT per service population per year (MT/SP/yr). The Project resulted in an efficiency metric of 4.40 MT/SP/yr prior to mitigation.

The Project would exceed this significance threshold prior to mitigation and thus would have a potentially significant impact. Implementation of M-GH-1 would reduce the Project's GHG emissions to an efficiency metric of 3.15; therefore, the Project would have a less than significant impact with mitigation.

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Consistency with Applicable Greenhouse Gas Reduction Plans

City of Escondido Climate Action Plan

As discussed above, the Project would achieve the minimum 100 points using the screening tables, and, therefore, the Project would not conflict with the E-CAP.

SANDAG San Diego Forward The Regional Plan

The Project's consistency with the SANDAG *San Diego Forward: The Regional Plan* (Regional Plan; SANDAG 2015) was evaluated to determine whether the project would conform with the projections outlined within the regions traffic and population forecasts. The Project would support the SANDAG Regional Plan policies that would reduce GHG emissions attributable to passenger vehicles in the County of San Diego region by redeveloping the Project site and avoiding sprawling development patterns and greenfield development. Because the Project is an infill project, it is consistent with the goals of the Regional Plan. The applicable measures and goals of the Regional Plan were also evaluated against the Project for consistency. In summary, the Project would be consistent with the SANDAG Regional Plan.

California Air Resources Board Scoping Plan

The consistency of the Project was also evaluated against the California Air Resources Board's AB 32 Scoping Plan, including the January 2017 Draft Update. The goals and measures outlined in the plan were evaluated as they applied to the Project. The Project was deemed to be consistent with all applicable goals and measures. Also, the Project would be consistent with additional goals of the Scoping Plan to encourage infill development to reduce vehicle miles travelled and GHG. Accordingly, the Project would not conflict with the Scoping Plan and would result in a less than significant impact.

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1 INTRODUCTION

1.1 Report Purpose and Scope

The purpose of this technical report is to assess the potential greenhouse gas (GHG) emissions impacts associated with implementation of the proposed The Villages – Escondido Country Club Project (proposed 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. Chapter 2, Environmental Setting, describes the GHG emissions–related environmental setting; Chapter 3 provides the regulatory setting; Chapter 4 presents existing climate change conditions; Chapter 5 provides the relevant thresholds of significance and analysis methodology; and Chapter 6 presents a GHG emissions impact analysis per Appendix G of the CEQA Guidelines. Chapter 7, References Cited, includes a list of the documents and guidance cited in this 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 show the Project location within the County of San Diego and the City of Escondido. 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 Specific Plan to allow for development of the 392 unit residential 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 Villages Specific

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

Infrastructure

The proposed new land uses are either replacing existing facilities that already are served by existing infrastructure, or are surrounded by existing development that already is served by existing infrastructure. No extensions or expansion of infrastructure systems will need to be made; instead, the Project will connect to existing infrastructure systems.

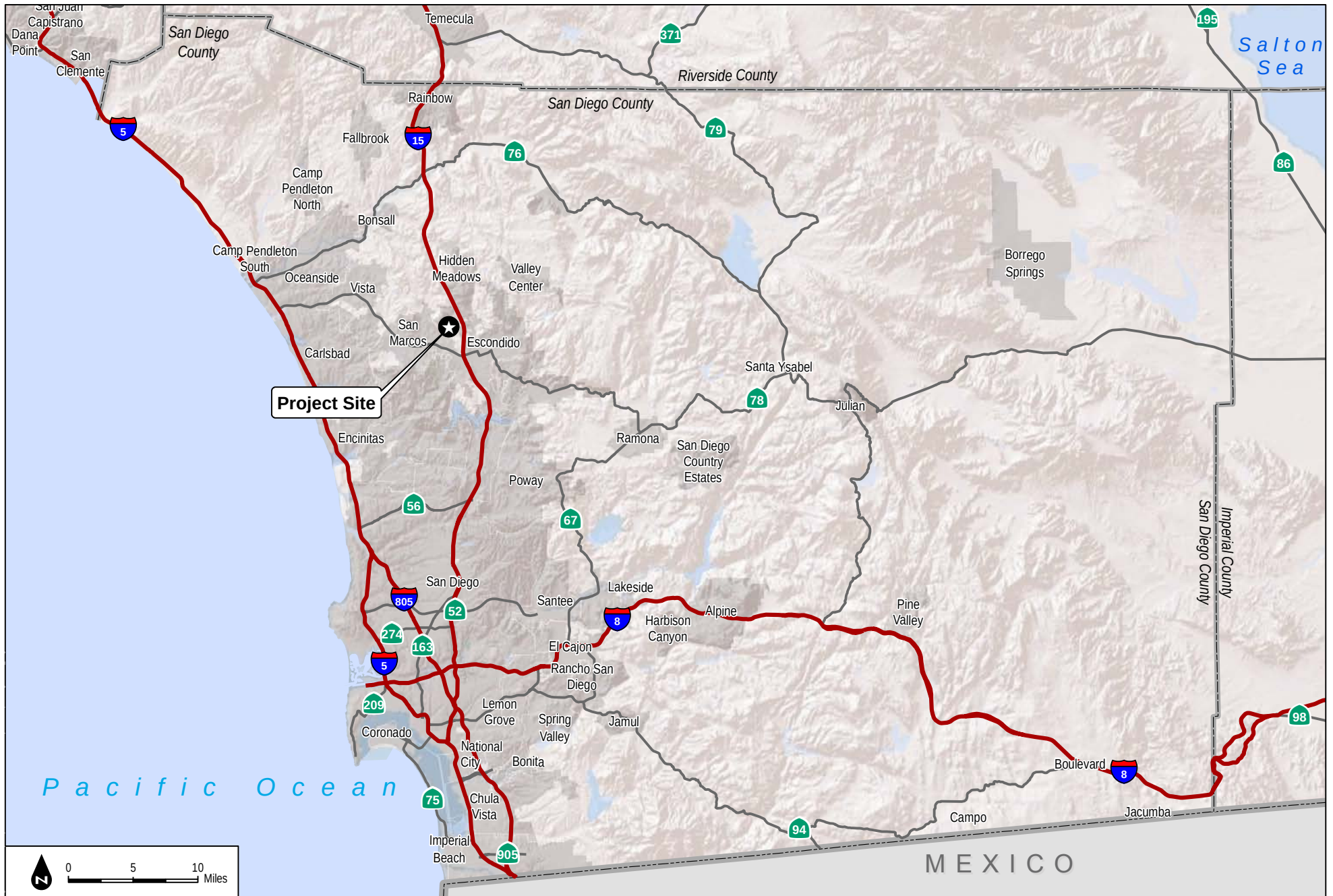


FIGURE 1
Regional Location Map

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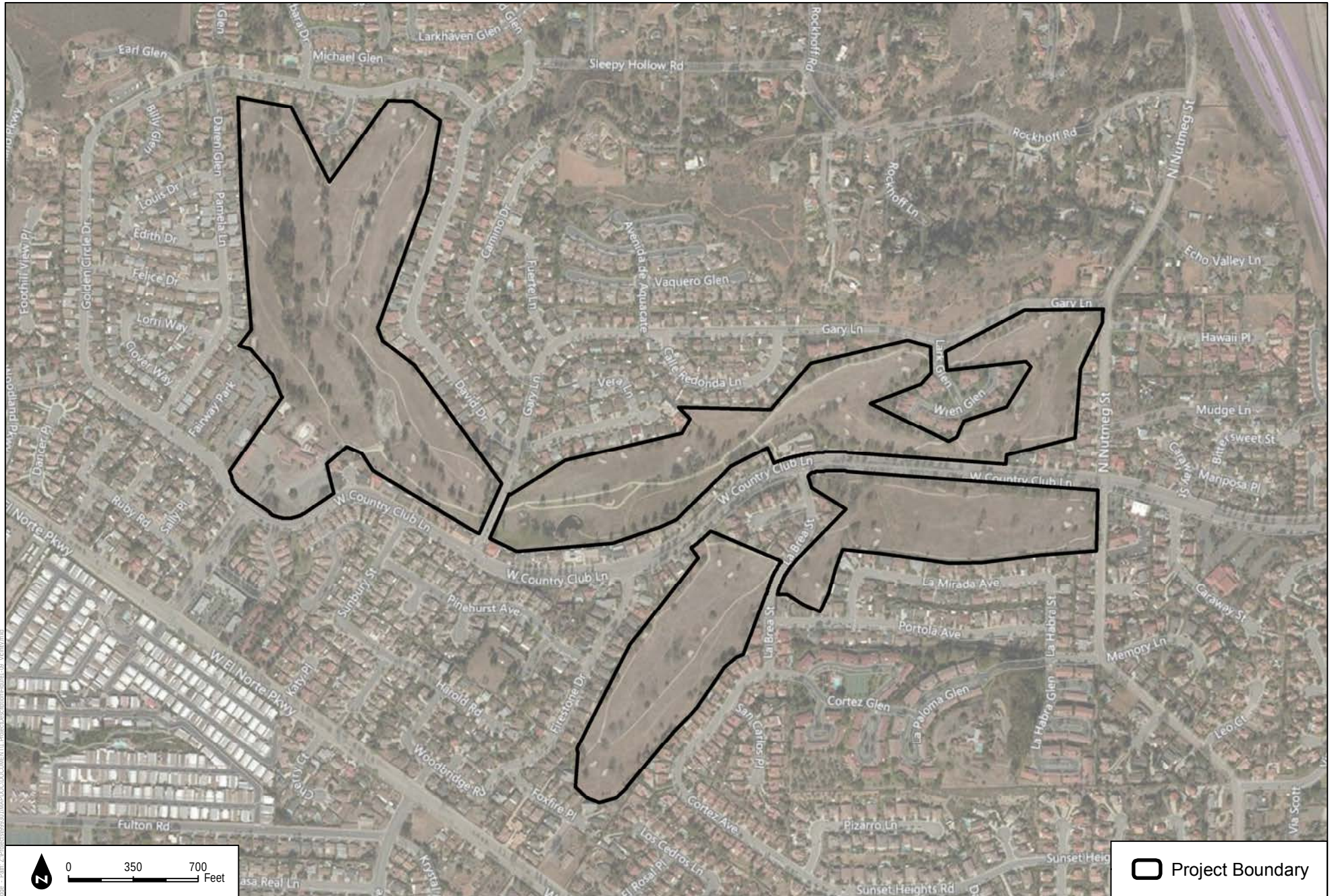


FIGURE 2
Vicinity Map

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 infrastructure needed to service the new land uses currently exists and will be unchanged. The following minor off-site improvements proposed include:

- Street improvements consisting of traffic calming on W. Country Club Lane and installation of Adaptive Signalization along El Norte Parkway as well as improvements to the Southbound I-15 On-Ramp, are 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 Change Overview

Climate change refers to any significant change in measures of climate, such as temperature, precipitation, or wind patterns, lasting for an extended period of time (decades or longer). The Earth's temperature depends on the balance between energy entering and leaving the planet's system. Many factors, both natural and human, can cause changes in Earth's energy balance, including variations in the sun's energy reaching Earth, changes in the reflectivity of Earth's atmosphere and surface, and changes in the greenhouse effect, which affects the amount of heat retained by Earth's atmosphere (EPA 2017a).

The greenhouse effect is the trapping and build-up of heat in the atmosphere (troposphere) near the Earth's surface. The greenhouse effect traps heat in the troposphere through a threefold process as follows: Short-wave radiation emitted by the Sun is absorbed by the Earth, the Earth emits a portion of this energy in the form of long-wave radiation, and GHGs in the upper atmosphere absorb this long-wave radiation and emit it into space and toward the Earth. The greenhouse effect is a natural process that contributes to regulating the Earth's temperature and creates a pleasant, livable environment on the Earth. Human activities that emit additional GHGs to the atmosphere increase the amount of infrared radiation that gets absorbed before escaping into space, thus enhancing the greenhouse effect and causing the Earth's surface temperature to rise.

The scientific record of the Earth's climate shows that the climate system varies naturally over a wide range of time scales and that, in general, climate changes prior to the Industrial Revolution in the 1700s can be explained by natural causes, such as changes in solar energy, volcanic eruptions, and natural changes in GHG concentrations. Recent climate changes, in particular the warming observed over the past century, however, cannot be explained by natural causes alone. Rather, it is extremely likely that human activities have been the dominant cause of that warming since the mid-twentieth century and is the most significant driver of observed climate change (IPCC 2013; EPA 2017a). Human influence on the climate system is evident from the increasing GHG concentrations in the atmosphere, positive radiative forcing, observed warming, and improved understanding of the climate system (IPCC 2013). The atmospheric concentrations of GHGs have increased to levels unprecedented in the last 800,000 years, primarily from fossil fuel emissions and secondarily from emissions associated with land use changes (IPCC 2013). Continued emissions of GHGs will cause further warming and changes in all components of the climate system, which is discussed further in Section 4.2, Potential Effects of Climate Change.

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2.2 Greenhouse Gases and Other Climate Forcing Substances

A GHG is any gas that absorbs infrared radiation in the atmosphere; in other words, GHGs trap heat in the atmosphere. As defined in California Health and Safety Code section 38505(g) for purposes of administering many of the State's primary GHG emissions reduction programs, GHGs include carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulfur hexafluoride (SF₆), and nitrogen trifluoride (NF₃). (See also CEQA Guidelines section 15364.5.) GHGs also include ozone chlorofluorocarbons (CFCs), and hydrochlorofluorocarbons (HCFCs), in addition to water vapor. Some GHGs, such as CO₂, CH₄, and N₂O, occur naturally and are emitted to the atmosphere through natural processes and human activities. Of these gases, CO₂ and CH₄ are emitted in the greatest quantities from human activities. Some industrial gases are also GHGs that have a much greater heat-absorption potential than CO₂, include fluorinated gases, such as HFCs, PFCs, and SF₆, which are associated with certain industrial products and processes. Climate forcing substances include GHGs and other substances such as black carbon and aerosols.

A summary of the most common GHGs and their sources is included in the following text along with a discussion of other climate forcing substances.¹ For purposes of CEQA analysis for land use development projects, the California Emissions Estimate Model (CalEEMod) estimates emissions of CO₂, CH₄, and N₂O.

Carbon Dioxide. CO₂ is a naturally occurring gas and a by-product of human activities and is the principal anthropogenic GHG that affects the Earth's radiative balance. Natural sources of CO₂ include respiration of bacteria, plants, animals, and fungus; evaporation from oceans; volcanic outgassing; and decomposition of dead organic matter. Human activities that generate CO₂ are from the combustion of fuels such as coal, oil, natural gas, and wood and changes in land use.

Methane. CH₄ is produced through both natural and human activities. CH₄ is a flammable gas and is the main component of natural gas. Methane is produced through anaerobic (without oxygen) decomposition of waste in landfills, flooded rice fields, animal digestion, decomposition of animal wastes, production and distribution of natural gas and petroleum, coal production, and incomplete fossil fuel combustion.

Nitrous Oxide. N₂O is produced through natural and human activities, mainly through agricultural activities and natural biological processes, although fuel burning and other processes also create

¹ The descriptions of GHGs are summarized from the Intergovernmental Panel on Climate Change (IPCC) Second Assessment Report (1995), IPCC Fourth Assessment Report (2007), CARB's Glossary of Terms Used in GHG Inventories (2015a), and EPA's Glossary of Climate Change Terms (2016a).

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N₂O. Sources of N₂O include soil cultivation practices (microbial processes in soil and water), especially the use of commercial and organic fertilizers, manure management, industrial processes (such as in nitric acid production, nylon production, and fossil-fuel-fired power plants), vehicle emissions, and using N₂O as a propellant (such as in rockets, racecars, and aerosol sprays).

Fluorinated Gases. Fluorinated gases (also referred to as F-gases) are synthetic powerful GHGs emitted from many industrial processes. Fluorinated gases are commonly used as substitutes for stratospheric ozone-depleting substances (e.g., CFCs, HCFCs, and halons). The most prevalent fluorinated gases include the following:

- **Hydrofluorocarbons:** HFCs are compounds containing only hydrogen, fluorine, and carbon atoms. HFCs are synthetic chemicals used as alternatives to ozone-depleting substances in serving many industrial, commercial, and personal needs. HFCs are emitted as by-products of industrial processes and are used in manufacturing.
- **Perfluorocarbons:** PFCs are a group of human-made chemicals composed of carbon and fluorine only. These chemicals were introduced as alternatives, with HFCs, to the ozone depleting substances. The two main sources of PFCs are primary aluminum production and semiconductor manufacturing. Since PFCs have stable molecular structures and do not break down through the chemical processes in the lower atmosphere, these chemicals have long lifetimes, ranging between 10,000 and 50,000 years.
- **Sulfur Hexafluoride:** SF₆ is a colorless gas soluble in alcohol and ether and slightly soluble in water. SF₆ is used for insulation in electric power transmission and distribution equipment, semiconductor manufacturing, the magnesium industry, and as a tracer gas for leak detection.
- **Nitrogen Trifluoride:** NF₃ is used in the manufacture of a variety of electronics, including semiconductors and flat panel displays.

Chlorofluorocarbons. CFCs are synthetic chemicals that have been used as cleaning solvents, refrigerants, and aerosol propellants. CFCs are chemically unreactive in the lower atmosphere (troposphere) and the production of CFCs was prohibited in 1987 due to the chemical destruction of stratospheric O₃.

Hydrochlorofluorocarbons. HCFCs are a large group of compounds, whose structure is very close to that of CFCs—containing hydrogen, fluorine, chlorine, and carbon atoms—but including one or more hydrogen atoms. Like HFCs, HCFCs are used in refrigerants and propellants. HCFCs were also used in place of CFCs for some applications; however, their use in general is being phased out.

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Black Carbon. Black carbon is a component of fine particulate matter, which has been identified as a leading environmental risk factor for premature death. It is produced from the incomplete combustion of fossil fuels and biomass burning, particularly from older diesel engines and forest fires. Black carbon warms the atmosphere by absorbing solar radiation, influences cloud formation, and darkens the surface of snow and ice, which accelerates heat absorption and melting. Black carbon is a short-lived species that varies spatially, which makes it difficult to quantify the global warming potential. Diesel particulate matter emissions are a major source of black carbon and are toxic air contaminants (TACs) that have been regulated and controlled in California for several decades to protect public health. In relation to declining diesel particulate matter from CARB's regulations pertaining to diesel engines, diesel fuels, and burning activities, CARB estimates that annual black carbon emissions in California have reduced by 70% between 1990 and 2010, with 95% control expected by 2020 (CARB 2014).

Water Vapor. The primary source of water vapor is evaporation from the ocean, with additional vapor generated by sublimation (change from solid to gas) from ice and snow, evaporation from other water bodies, and transpiration from plant leaves. Water vapor is the most important, abundant, and variable GHG in the atmosphere and maintains a climate necessary for life.

Ozone. Tropospheric O₃, which is created by photochemical reactions involving gases from both natural sources and human activities, acts as a GHG. Stratospheric O₃, which is created by the interaction between solar ultraviolet radiation and molecular oxygen (O₂), plays a decisive role in the stratospheric radiative balance. Depletion of stratospheric O₃, due to chemical reactions that may be enhanced by climate change, results in an increased ground-level flux of ultraviolet-B radiation.

Aerosols. Aerosols are suspensions of particulate matter in a gas emitted into the air through burning biomass (plant material) and fossil fuels. Aerosols can warm the atmosphere by absorbing and emitting heat and can cool the atmosphere by reflecting light.

2.3 Global Warming Potential

Gases in the atmosphere can contribute to climate change both directly and indirectly. Direct effects occur when the gas itself absorbs radiation. Indirect radiative forcing occurs when chemical transformations of the substance produce other GHGs, when a gas influences the atmospheric lifetimes of other gases, and/or when a gas affects atmospheric processes that alter the radiative balance of the Earth (e.g., affect cloud formation or albedo) (EPA 2016a). The Intergovernmental Panel on Climate Change (IPCC) developed the global warming potential (GWP) concept to compare the ability of each GHG to trap heat in the atmosphere relative to another gas. The GWP of a GHG is defined as the ratio of the time-integrated radiative forcing

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from the instantaneous release of 1 kilogram of a trace substance relative to that of 1 kilogram of a reference gas (IPCC 2014). The reference gas used is CO₂; therefore, GWP-weighted emissions are measured in metric tons of CO₂ equivalent (MT CO₂E).

The current version of the CalEEMod (version 2016.3.1) assumes that the GWP for CH₄ is 25 (so emissions of 1 MT of CH₄ are equivalent to emissions of 25 MT of CO₂), and the GWP for N₂O is 298, based on the IPCC Fourth Assessment Report (IPCC 2007). The GWP values identified in CalEEMod were applied to the Project.

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3 REGULATORY SETTING

3.1 Federal Regulations

Massachusetts v. EPA. In *Massachusetts v. EPA* (April 2007), the U.S. Supreme Court directed the EPA administrator to determine whether GHG emissions from new motor vehicles cause or contribute to air pollution that may reasonably be anticipated to endanger public health or welfare, or whether the science is too uncertain to make a reasoned decision. In December 2009, the administrator signed a final rule with the following two distinct findings regarding GHGs under Section 202(a) of the federal Clean Air Act:

- The Administrator found that elevated concentrations of GHGs—CO₂, CH₄, N₂O, HFCs, PFCs, and SF₆—in the atmosphere threaten the public health and welfare of current and future generations. This is the “endangerment finding.”
- The Administrator further found the combined emissions of GHGs—CO₂, CH₄, N₂O, and HFCs—from new motor vehicles and new motor vehicle engines contribute to the GHG air pollution that endangers public health and welfare. This is the “cause or contribute finding.”

These two findings were necessary to establish the foundation for regulation of GHGs from new motor vehicles as air pollutants under the Clean Air Act.

Energy Independence and Security Act of 2007. The Energy Independence and Security Act of 2007 (December 2007), among other key measures, would do the following, which would aid in the reduction of national GHG emissions (EPA 2007):

- Increase the supply of alternative fuel sources by setting a mandatory Renewable Fuel Standard requiring fuel producers to use at least 36 billion gallons of biofuel in 2022.
- Set a target of 35 miles per gallon for the combined fleet of cars and light trucks by model year 2020, and directs National Highway Traffic Safety Administration (NHTSA) to establish a fuel economy program for medium- and heavy-duty trucks and create a separate fuel economy standard for work trucks.
- Prescribe or revise standards affecting regional efficiency for heating and cooling products and procedures for new or amended standards, energy conservation, energy-efficiency labeling for consumer electronic products, residential boiler efficiency, electric motor efficiency, and home appliances.

Federal Vehicle Standards. In response to the U.S. Supreme Court ruling discussed above, the Bush Administration issued Executive Order 13432 in 2007 directing the EPA, the Department

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of Transportation, and the Department of Energy to establish regulations that reduce GHG emissions from motor vehicles, non-road vehicles, and non-road engines by 2008. In 2009, the NHTSA issued a final rule regulating fuel efficiency and GHG emissions from cars and light-duty trucks for model year 2011, and in 2010, the EPA and NHTSA issued a final rule regulating cars and light-duty trucks for model years 2012–2016.

In 2010, President Barack Obama issued a memorandum directing the Department of Transportation, Department of Energy, EPA, and NHTSA to establish additional standards regarding fuel efficiency and GHG reduction, clean fuels, and advanced vehicle infrastructure. In response to this directive, EPA and NHTSA proposed stringent, coordinated federal GHG and fuel economy standards for model years 2017–2025 light-duty vehicles. The proposed standards projected to achieve 163 grams per mile of CO₂ in model year 2025, on an average industry fleet-wide basis, which is equivalent to 54.5 miles per gallon if this level were achieved solely through fuel efficiency. The final rule was adopted in 2012 for model years 2017–2021, and NHTSA intends to set standards for model years 2022–2025 in a future rulemaking. On January 12, 2017, the EPA finalized its decision to maintain the current GHG emissions standards for model years 2022–2025 cars and light trucks (EPA 2017b).

In addition to the regulations applicable to cars and light-duty trucks described above, in 2011, the EPA and NHTSA announced fuel economy and GHG standards for medium- and heavy-duty trucks for model years 2014–2018. The standards for CO₂ emissions and fuel consumption are tailored to three main vehicle categories: combination tractors, heavy-duty pickup trucks and vans, and vocational vehicles. According to the EPA, this regulatory program will reduce GHG emissions and fuel consumption for the affected vehicles by 6%–23% over the 2010 baselines.

In August 2016, the EPA and NHTSA announced the adoption of the phase two program related to the fuel economy and GHG standards for medium- and heavy-duty trucks. The phase two program will apply to vehicles with model year 2018 through 2027 for certain trailers, and model years 2021 through 2027 for semi-trucks, large pickup trucks, vans, and all types and sizes of buses and work trucks. The final standards are expected to lower CO₂ emissions by approximately 1.1 billion MT and reduce oil consumption by up to 2 billion barrels over the lifetime of the vehicles sold under the program (EPA and NHTSA 2016).

Clean Power Plan and New Source Performance Standards for Electric Generating Units.

On October 23, 2015, EPA published a final rule (effective December 22, 2015) establishing the Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Utility Generating Units (80 FR 64510–64660), also known as the Clean Power Plan. These guidelines prescribe how states must develop plans to reduce GHG emissions from existing fossil-fuel-fired electric generating units. The guidelines establish CO₂ emission performance rates representing

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the best system of emission reduction for two subcategories of existing fossil-fuel-fired electric generating units: (1) fossil-fuel-fired electric utility steam-generating units, and (2) stationary combustion turbines. Concurrently, the EPA published a final rule (effective October 23, 2015) establishing Standards of Performance for Greenhouse Gas Emissions from New, Modified, and Reconstructed Stationary Sources: Electric Utility Generating Units (80 FR 64661–65120). The rule prescribes CO₂ emission standards for newly constructed, modified, and reconstructed affected fossil-fuel-fired electric utility generating units. The U.S. Supreme Court stayed implementation of the Clean Power Plan pending resolution of several lawsuits. Additionally, in March 2017, President Trump directed the EPA Administrator to review the Clean Power Plan in order to determine whether it is consistent with current executive policies concerning GHG emissions, climate change and energy.

3.2 State Regulations

Executive Order (EO) S-3-05. EO S-3-05 (June 2005) established the following statewide goals: GHG emissions should be reduced to 2000 levels by 2010, GHG emissions should be reduced to 1990 levels by 2020, and GHG emissions should be reduced to 80% below 1990 levels by 2050.

AB 32 and CARB's Climate Change Scoping Plan. In furtherance of the goals established in EO S-3-05, the Legislature enacted AB 32, the California Global Warming Solutions Act of 2006. AB 32 requires California to reduce its GHG emissions to 1990 levels by 2020.

Under AB 32, CARB is responsible for and is recognized as having the expertise to carry out and develop the programs and requirements necessary to achieve the GHG emissions reduction mandate of AB 32. Under AB 32, CARB must adopt regulations requiring the reporting and verification of statewide GHG emissions from specified sources. This program is used to monitor and enforce compliance with established standards. CARB also is required to adopt rules and regulations to achieve the maximum technologically feasible and cost-effective GHG emission reductions. AB 32 relatedly authorized CARB to adopt market-based compliance mechanisms to meet the specified requirements. Finally, CARB is ultimately responsible for monitoring compliance and enforcing any rule, regulation, order, emission limitation, emission reduction measure, or market-based compliance mechanism adopted.

In 2007, CARB approved a limit on the statewide GHG emissions level for year 2020 consistent with the determined 1990 baseline (427 MMT CO₂E). CARB's adoption of this limit is in accordance with Health and Safety Code Section 38550.

Further, in 2008, CARB adopted the *Climate Change Scoping Plan: A Framework for Change (Scoping Plan)* in accordance with Health and Safety Code Section 38561. The *Scoping Plan*

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establishes an overall framework for the measures that will be adopted to reduce California's GHG emissions for various emission sources/sectors to 1990 levels by 2020. The Scoping Plan evaluates opportunities for sector-specific reductions, integrates all CARB and Climate Action Team early actions and additional GHG reduction features by both entities, identifies additional measures to be pursued as regulations, and outlines the role of a cap-and-trade program. The key elements of the Scoping Plan include the following (CARB 2008):

1. Expanding and strengthening existing energy efficiency programs as well as building and appliance standards
2. Achieving a statewide renewable energy mix of 33%
3. Developing a California cap-and-trade program that links with other Western Climate Initiative partner programs to create a regional market system and caps sources contributing 85% of California's GHG emissions
4. Establishing targets for transportation-related GHG emissions for regions throughout California, and pursuing policies and incentives to achieve those targets
5. Adopting and implementing measures pursuant to existing state laws and policies, including California's clean car standards, goods movement measures, and the Low Carbon Fuel Standard
6. Creating targeted fees, including a public goods charge on water use, fees on high GWP gases, and a fee to fund the administrative costs of the State of California's long-term commitment to AB 32 implementation

In the *Scoping Plan*, CARB determined that achieving the 1990 emissions level in 2020 would require a reduction in GHG emissions of approximately 28.5% from the otherwise projected 2020 emissions level; i.e., those emissions that would occur in 2020, absent GHG-reducing laws and regulations (referred to as "Business-As-Usual" [BAU]). For purposes of calculating this percent reduction, CARB assumed that all new electricity generation would be supplied by natural gas plants, no further regulatory action would impact vehicle fuel efficiency, and building energy efficiency codes would be held at 2005 standards.

In the 2011 Final Supplement to the *Scoping Plan's* Functional Equivalent Document, CARB revised its estimates of the projected 2020 emissions level in light of the economic recession and the availability of updated information about GHG reduction regulations. Based on the new economic data, CARB determined that achieving the 1990 emissions level by 2020 would require a reduction in GHG emissions of 21.7% (down from 28.5%) from the BAU conditions. When the 2020 emissions level projection also was updated to account for newly implemented regulatory measures, including Pavley I (model years 2009–2016) and the Renewable Portfolio Standard

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(12% to 20%), CARB determined that achieving the 1990 emissions level in 2020 would require a reduction in GHG emissions of 16% (down from 28.5%) from the BAU conditions.

More recently, in 2014, CARB adopted the *First Update to the Climate Change Scoping Plan: Building on the Framework (First Update)*. The stated purpose of the *First Update* is to “highlight California’s success to date in reducing its GHG emissions and lay the foundation for establishing a broad framework for continued emission reductions beyond 2020, on the path to 80% below 1990 levels by 2050.” The *First Update* found that California is on track to meet the 2020 emissions reduction mandate established by AB 32, and noted that California could reduce emissions further by 2030 to levels squarely in line with those needed to stay on track to reduce emissions to 80% below 1990 levels by 2050 if the state realizes the expected benefits of existing policy goals.

In conjunction with the *First Update*, CARB identified “six key focus areas comprising major components of the state’s economy to evaluate and describe the larger transformative actions that will be needed to meet the state’s more expansive emission reduction needs by 2050.” Those six areas are: (1) energy; (2) transportation (vehicles/equipment, sustainable communities, housing, fuels, and infrastructure); (3) agriculture; (4) water; (5) waste management; and, (6) natural and working lands. The *First Update* identifies key recommended actions for each sector that will facilitate achievement of EO S-3-05’s 2050 reduction goal.

Based on CARB’s research efforts presented in the *First Update*, it has a “strong sense of the mix of technologies needed to reduce emissions through 2050.” Those technologies include energy demand reduction through efficiency and activity changes; large-scale electrification of on-road vehicles, buildings and industrial machinery; decarbonizing electricity and fuel supplies; and, the rapid market penetration of efficient and clean energy technologies.

As part of the *First Update*, CARB recalculated the state’s 1990 emissions level using more recent global warming potentials identified by the IPCC. Using the recalculated 1990 emissions level (431 MMT CO₂E) and the revised 2020 emissions level projection identified in the 2011 Final Supplement, CARB determined that achieving the 1990 emissions level by 2020 would require a reduction in GHG emissions of approximately 15% (instead of 28.5% or 16%) from the BAU conditions.

On January 20, 2017, CARB released The *2017 Climate Change Scoping Plan Update (Second Update)* for public review and comment (CARB 2017). This update proposes CARB’s strategy for achieving the state’s 2030 GHG target as established in Senate Bill (SB) 32 (discussed below), including continuing the Cap-and-Trade Program through 2030, and includes a new approach to reduce GHGs from refineries by 20%. The *Second Update* incorporates approaches to cutting short-lived climate pollutants (SLCPs) under the Short-Lived Climate Pollutant

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Reduction Strategy (a planning document that was adopted by CARB in March 2017), and acknowledges the need for reducing emissions in agriculture and highlights the work underway to ensure that California's natural and working lands increasingly sequester carbon. During development of the *Second Update*, CARB held a number of public workshops in the Natural and Working Lands, Agriculture, Energy and Transportation sectors to inform development of the 2030 Scoping Plan Update (CARB 2016a). When discussing project-level GHG emissions reduction actions and thresholds, the *Second Update* states "achieving no net increase in GHG emissions is the correct overall objective, but it may not be appropriate or feasible for every development project. An inability to mitigate a project's GHG emissions to zero does not necessarily imply a substantial contribution to the cumulatively significant environmental impact of climate change under CEQA." It is expected that the *Second Update* will be considered by CARB's Governing Board in late June 2017.

EO B-30-15. EO B-30-15 (April 2015) identified an interim GHG reduction target in support of targets previously identified under S-3-05 and AB 32. EO B-30-15 set an interim target goal of reducing statewide GHG emissions to 40 percent below 1990 levels by 2030 to keep California on its trajectory toward meeting or exceeding the long-term goal of reducing statewide GHG emissions to 80 percent below 1990 levels by 2050 as set forth in S-3-05. To facilitate achievement of this goal, EO B-30-15 calls for an update to CARB's Scoping Plan to express the 2030 target in terms of MMT CO₂E. The EO also calls for state agencies to continue to develop and implement GHG emission reduction programs in support of the reduction targets. Sector-specific agencies in transportation, energy, water, and forestry were required to prepare GHG reduction plans by September 2015, followed by a report on action taken in relation to these plans in June 2016. EO B-30-15 does not require local agencies to take any action to meet the new interim GHG reduction target.

SB 32 and AB 197. SB 32 and AB 197 (enacted in 2016) are companion bills that set a new statewide GHG reduction targets; make changes to CARB's membership, and increase legislative oversight of CARB's climate change-based activities; and expand dissemination of GHG and other air quality-related emissions data to enhance transparency and accountability. More specifically, SB 32 codified the 2030 emissions reduction goal of EO B-30-15 by requiring CARB to ensure that statewide GHG emissions are reduced to 40 percent below 1990 levels by 2030. AB 197 established the Joint Legislative Committee on Climate Change Policies, consisting of at least three members of the Senate and three members of the Assembly, in order to provide ongoing oversight over implementation of the state's climate policies. AB 197 also added two members of the Legislature to CARB as nonvoting members; requires CARB to make available and update (at least annually via its website) emissions data for GHGs, criteria air

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pollutants, and TACs from reporting facilities; and, requires CARB to identify specific information for GHG emissions reduction measures when updating the scoping plan.

SB 605 and SB 1383. SB 605 (2014) requires CARB to complete a comprehensive strategy to reduce emissions of short-lived climate pollutants in the state; and SB 1383 (2016) requires CARB to approve and implement that strategy by January 1, 2018. SB 1383 also establishes specific targets for the reduction of SLCPs (40 percent below 2013 levels by 2030 for methane and HFCs, and 50 percent below 2013 levels by 2030 for anthropogenic black carbon), and provides direction for reductions from dairy and livestock operations and landfills. Accordingly, and as mentioned above, CARB adopted its *Short-Lived Climate Pollutant Reduction Strategy (SLCP Reduction Strategy)* in March 2017. The *SLCP Reduction Strategy* establishes a framework for the statewide reduction of emissions of black carbon, methane and fluorinated gases.

Building Energy

Title 24, Part 6. Title 24 of the California Code of Regulations was established in 1978 and serves to enhance and regulate California's building standards. While not initially promulgated to reduce GHG emissions, Part 6 of Title 24 specifically establishes Building Energy Efficiency Standards that are designed to ensure new and existing buildings in California achieve energy efficiency and preserve outdoor and indoor environmental quality. The California Energy Commission (CEC) is required by law to adopt standards every 3 years that are cost effective for homeowners over the 30-year lifespan of a building. These standards are updated to consider and incorporate new energy efficient technologies and construction methods. As a result, these standards save energy, increase electricity supply reliability, increase indoor comfort, avoid the need to construct new power plants, and help preserve the environment.

The 2013 Title 24 standards became effective on July 1, 2014. Buildings constructed in accordance with the 2013 standards were estimated to use 25% less energy for lighting, heating, cooling, ventilation, and water heating than the 2008 standards (CEC 2012).

The 2016 Title 24 standards are the currently applicable building energy efficiency standards, and became effective on January 1, 2017. The 2016 Title 24 standards will further reduce energy used and associated GHG emissions. In general, single-family homes built to the 2016 standards are anticipated to use about 28% less energy for lighting, heating, cooling, ventilation, and water heating than those built to the 2013 standards, and nonresidential buildings built to the 2016 standards will use an estimated 5% less energy than those built to the 2013 standards (CEC 2015a). The Project would be required to comply with 2016 Title 24 standards because its building construction phase would commence after January 1, 2017.

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Title 24, Part 11. In addition to the CEC's efforts, in 2008, the California Building Standards Commission adopted the nation's first green building standards. The California Green Building Standards Code (Part 11 of Title 24) is commonly referred to as CALGreen, and establishes minimum mandatory standards as well as voluntary standards pertaining to the planning and design of sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and interior air quality. The CALGreen standards took effect in January 2011 and instituted mandatory minimum environmental performance standards for all ground-up, new construction of commercial, low-rise residential and state-owned buildings and schools and hospitals. The CALGreen 2016 standards became effective on January 1, 2017. The mandatory standards require the following (24 CCR Part 11):

- Mandatory reduction in indoor water use through compliance with specified flow rates for plumbing fixtures and fittings
- Mandatory reduction in outdoor water use through compliance with a local water efficient landscaping ordinance or the California Department of Water Resources' Model Water Efficient Landscape Ordinance
- 65 percent of construction and demolition waste must be diverted from landfills
- Mandatory inspections of energy systems to ensure optimal working efficiency
- Inclusion of electric vehicle charging stations or designated spaces capable of supporting future charging stations
- Low-pollutant emitting exterior and interior finish materials, such as paints, carpets, vinyl flooring, and particle boards

The CALGreen standards also include voluntary efficiency measures that are provided at two separate tiers and implemented at the discretion of local agencies and applicants. CALGreen's Tier 1 standards call for a 15% improvement in energy requirements; stricter water conservation, 65% diversion of construction and demolition waste, 10% recycled content in building materials, 20% permeable paving, 20% cement reduction, and cool/solar-reflective roofs. CALGreen's more rigorous Tier 2 standards call for a 30% improvement in energy requirements, stricter water conservation, 75% diversion of construction and demolition waste, 15% recycled content in building materials, 30% permeable paving, 25% cement reduction, and cool/solar-reflective roofs.

The California Public Utilities Commission, CEC, and CARB also have a shared, established goal of achieving zero net energy (ZNE) for new construction in California. The key policy timelines include: (1) all new residential construction in California will be ZNE by 2020, and (2) all new

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commercial construction in California will be ZNE by 2030.² As most recently defined by the CEC in its 2015 *Integrated Energy Policy Report*, a zero net energy code building is “one where the value of the energy produced by on-site renewable energy resources is equal to the value of the energy consumed annually by the building” using the CEC’s Time Dependent Valuation metric.

Title 20. Title 20 of the California Code of Regulations requires manufacturers of appliances to meet state and federal standards for energy and water efficiency. Performance of appliances must be certified through the CEC to demonstrate compliance with standards. New appliances regulated under Title 20 include: refrigerators, refrigerator-freezers and freezers; room air conditioners and room air-conditioning heat pumps; central air conditioners; spot air conditioners; vented gas space heaters; gas pool heaters; plumbing fittings and plumbing fixtures; fluorescent lamp ballasts; lamps; emergency lighting; traffic signal modules; dishwaters; clothes washers and dryers; cooking products; electric motors; low voltage dry-type distribution transformers; power supplies; televisions and consumer audio and video equipment; and battery charger systems. Title 20 presents protocols for testing for each type of appliance covered under the regulations and appliances must meet the standards for energy performance, energy design, water performance and water design. Title 20 contains three types of standards for appliances: federal and state standards for federally regulated appliances, state standards for federally regulated appliances, and state standards for non-federally regulated appliances.

SB 1. SB 1 (2006) established a \$3 billion rebate program to support the goal of the state to install rooftop solar energy systems with a generation capacity of 3,000 megawatts through 2016. SB 1 added sections to the Public Resources Code, including Chapter 8.8 (California Solar Initiative), that require building projects applying for ratepayer-funded incentives for photovoltaic systems to meet minimum energy efficiency levels and performance requirements. Section 25780 established that it is a goal of the state to establish a self-sufficient solar industry in which solar energy systems are a viable mainstream option for both homes and businesses within 10 years of adoption, and to place solar energy systems on 50% of new homes within 13 years of adoption. SB 1, also termed “GoSolarCalifornia,” was previously titled “Million Solar Roofs.”

AB 1470. This bill established the Solar Water Heating and Efficiency Act of 2007. The bill makes findings and declarations of the Legislature relating to the promotion of solar water heating systems and other technologies that reduce natural gas demand. The bill defines several terms for purposes of the act. The bill requires the commission to evaluate the data available from a specified pilot program, and, if it makes a specified determination, to design and

² See, e.g., CPUC, California’s Zero Net Energy Policies and Initiatives, Sept. 18, 2013, accessed at <http://www.cpuc.ca.gov/NR/rdonlyres/C27FC108-A1FD-4D67-AA59-7EA82011B257/0/3.pdf>. It is expected that achievement of the zero net energy goal will occur via revisions to the Title 24 standards.

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implement a program of incentives for the installation of 200,000 solar water heating systems in homes and businesses throughout the state by 2017.

AB 1109. Enacted in 2007, AB 1109 required the CEC to adopt minimum energy efficiency standards for general purpose lighting, to reduce electricity consumption 50 percent for indoor residential lighting and 25 percent for indoor commercial lighting.

Mobile Sources

AB 1493. In a response to the transportation sector accounting for more than half of California's CO₂ emissions, AB 1493 was enacted in July 2002. AB 1493 required CARB to set GHG emission standards for passenger vehicles, light-duty trucks, and other vehicles determined by the state board to be vehicles that are primarily used for noncommercial personal transportation in the state. The bill required that CARB set GHG emission standards for motor vehicles manufactured in 2009 and all subsequent model years. CARB adopted the standards in September 2004. When fully phased in, the near-term (2009–2012) standards will result in a reduction of about 22% in GHG emissions compared to the emissions from the 2002 fleet, while the mid-term (2013–2016) standards will result in a reduction of about 30%.

EO S-1-07. Issued on January 18, 2007, EO S-1-07 sets a declining Low Carbon Fuel Standard for GHG emissions measured in CO₂E grams per unit of fuel energy sold in California. The target of the Low Carbon Fuel Standard is to reduce the carbon intensity of California passenger vehicle fuels by at least 10% by 2020. The carbon intensity measures the amount of GHG emissions in the lifecycle of a fuel, including extraction/feedstock production, processing, transportation, and final consumption, per unit of energy delivered. CARB adopted the implementing regulation in April 2009. The regulation is expected to increase the production of biofuels, including those from alternative sources, such as algae, wood, and agricultural waste.

SB 375. SB 375 (2008) addresses GHG emissions associated with the transportation sector through regional transportation and sustainability plans. SB 375 required CARB to adopt regional GHG reduction targets for the automobile and light-truck sector for 2020 and 2035. Regional metropolitan planning organizations (MPOs) are then responsible for preparing a Sustainable Communities Strategy within their Regional Transportation Plan. The goal of the Sustainable Communities Strategy is to establish a forecasted development pattern for the region that, after considering transportation measures and policies, will achieve, if feasible, the GHG reduction targets. If a Sustainable Communities Strategy is unable to achieve the GHG reduction target, an MPO must prepare an Alternative Planning Strategy demonstrating how the GHG reduction target would be achieved through alternative development patterns, infrastructure, or additional transportation measures or policies.

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Pursuant to Government Code Section 65080(b)(2)(K), a sustainable communities strategy does not: (i) regulate the use of land; (ii) supersede the land use authority of cities and counties; or (iii) require that a city's or county's land use policies and regulations, including those in a general plan, be consistent with it. Nonetheless, SB 375 makes regional and local planning agencies responsible for developing those strategies as part of the federally required metropolitan transportation planning process and the state-mandated housing element process.

In 2010, CARB adopted the SB 375 targets for the regional MPOs. The targets for SANDAG are a 7% reduction in emissions per capita by 2020 and a 13% reduction by 2035.

SANDAG completed and adopted its *2050 Regional Transportation Plan/Sustainable Communities Strategy* (RTP/SCS) in October 2011. In November 2011, CARB, by resolution, accepted SANDAG's GHG emissions quantification analysis and determination that, if implemented, the SCS would achieve CARB's 2020 and 2035 GHG emissions reduction targets for the region.

After SANDAG's 2050 RTP/SCS was adopted, a lawsuit was filed by the Cleveland National Forest Foundation and others. The matter currently is pending before the California Supreme Court (Case No. S223603) for determination of whether an EIR for a regional transportation plan must include an analysis of the plan's consistency with the GHG reduction goals reflected in Executive Order No. S-3-05 to comply with CEQA.

Although the EIR for SANDAG's 2050 RTP/SCS is pending before the California Supreme Court, in 2015, SANDAG adopted the next iteration of its RTP/SCS in accordance with statutorily mandated timelines and no subsequent litigation challenge was filed. More specifically, in October 2015, SANDAG adopted *San Diego Forward: The Regional Plan*. Like the 2050 RTP/SCS, this planning document meets CARB's 2020 and 2035 reduction targets for the region (SANDAG 2015). In December 2015, CARB, by resolution, accepted SANDAG's GHG emissions quantification analysis and determination that, if implemented, the SCS would achieve CARB's 2020 and 2035 GHG emissions reduction targets for the region.

Advanced Clean Cars Program. In January 2012, CARB approved the Advanced Clean Cars program, a new emissions-control program for model years 2015 through 2025. The program combines the control of smog- and soot-causing pollutants and GHG emissions into a single coordinated package. The package includes elements to reduce smog-forming pollution, reduce GHG emissions, promote clean cars, and provide the fuels for clean cars (CARB 2011). To improve air quality, CARB has implemented new emission standards to reduce smog-forming emissions beginning with 2015 model year vehicles. It is estimated that in 2025 cars will emit 75% less smog-forming pollution than the average new car sold today. To reduce GHG emissions,

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CARB, in conjunction with the EPA and the NHTSA, has adopted new GHG standards for model year 2017 to 2025 vehicles; the new standards are estimated to reduce GHG emissions by 34% in 2025. The Zero Emissions Vehicle (ZEV) program will act as the focused technology of the Advanced Clean Cars program by requiring manufacturers to produce increasing numbers of ZEVs and plug-in hybrid electric vehicles in the 2018 to 2025 model years. The Clean Fuels Outlet regulation will ensure that fuels such as electricity and hydrogen are available to meet the fueling needs of the new advanced technology vehicles as they come to the market.

EO B-16-12. EO B-16-12 (2012) directs state entities under the Governor’s direction and control to support and facilitate development and distribution ZEVs. This EO also sets a long-term target of reaching 1.5 million zero-emission vehicles on California’s roadways by 2025. On a statewide basis, EO B-16-12 also establishes a GHG emissions reduction target from the transportation sector equaling 80% less than 1990 levels by 2050. In furtherance of this EO, the Governor convened an Interagency Working Group on Zero-Emission Vehicles that has published multiple reports regarding the progress made on the penetration of ZEVs in the statewide vehicle fleet.

AB 1236. AB 1236 (2015) as enacted in California’s Planning and Zoning Law, requires local land use jurisdictions to approve applications for the installation of electric vehicle charging stations, as defined, through the issuance of specified permits unless there is substantial evidence in the record that the proposed installation would have a specific, adverse impact upon the public health or safety, and there is no feasible method to satisfactorily mitigate or avoid the specific, adverse impact. The bill provides for appeal of that decision to the planning commission, as specified. The bill requires local land use jurisdictions with a population of 200,000 or more residents to adopt an ordinance, by September 30, 2016, that creates an expedited and streamlined permitting process for electric vehicle charging stations, as specified. The City’s population does not exceed 200,000 so this statute does not apply. Prior to this statutory deadline, in August 2016, the County of San Diego’s Board of Supervisors adopted Ordinance No. 10437 adding a section to its County Code related to the expedited processing of electric vehicle charging stations permits consistent with AB 1236.

SB 350. In 2015, SB 350 – the Clean Energy and Pollution Reduction Act – was enacted into law. As one of its elements, SB 350 establishes a statewide policy for widespread electrification of the transportation sector, recognizing that such electrification is required for achievement of the state’s 2030 and 2050 reduction targets (see Public Utilities Code section 740.12).

Renewable Energy and Energy Procurement

Senate Bill (SB) 1078. SB 1078 (2002) established the Renewable Portfolio Standard (RPS) program, which requires an annual increase in renewable generation by the utilities equivalent to

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at least 1% of sales, with an aggregate goal of 20% by 2017. This goal was subsequently accelerated, requiring utilities to obtain 20% of their power from renewable sources by 2010.

SB 1368. SB 1368 (2006) requires the CEC to develop and adopt regulations for GHG emission performance standards for the long-term procurement of electricity by local publicly owned utilities. These standards must be consistent with the standards adopted by the California Public Utilities Commission (CPUC). This effort will help protect energy customers from financial risks associated with investments in carbon-intensive generation by allowing new capital investments in power plants whose GHG emissions are as low as or lower than new combined-cycle natural gas plants by requiring imported electricity to meet GHG performance standards in California and by requiring that the standards be developed and adopted in a public process.

SB X1 2. SB X1 2 (2011) expanded the RPS by establishing that 20 percent of the total electricity sold to retail customers in California per year by December 31, 2013, and 33% by December 31, 2020, and in subsequent years be secured from qualifying renewable energy sources. Under the bill, a renewable electrical generation facility is one that uses biomass, solar thermal, photovoltaic, wind, geothermal, fuel cells using renewable fuels, small hydroelectric generation of 30 megawatts or less, digester gas, municipal solid waste conversion, landfill gas, ocean wave, ocean thermal, or tidal current, and that meets other specified requirements with respect to its location. In addition to the retail sellers previously covered by the RPS, SB X1 2 added local, publicly owned electric utilities to the RPS.

SB 350. SB 350 (2015) further expanded the RPS by establishing that 50% of the total electricity sold to retail customers in California per year by December 31, 2030 be secured from qualifying renewable energy sources. In addition, SB 350 includes the goal to double the energy efficiency savings in electricity and natural gas final end uses (such as heating, cooling, lighting, or class of energy uses on which an energy-efficiency program is focused) of retail customers through energy conservation and efficiency. The bill also requires the CPUC, in consultation with the CEC, to establish efficiency targets for electrical and gas corporations consistent with this goal.

Water

EO B-29-15. In response to the ongoing drought in California, EO B-29-15 (April 2015) set a goal of achieving a statewide reduction in potable urban water usage of 25% relative to water use in 2013. The term of the EO extended through February 28, 2016, although many of the directives have since become permanent water-efficiency standards and requirements. The EO includes specific directives that set strict limits on water usage in the state. In response to EO B-29-15, the California Department of Water Resources has modified and adopted a revised version of the Model Water Efficient Landscape Ordinance that, among other changes,

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significantly increases the requirements for landscape water use efficiency and broadens its applicability to include new development projects with smaller landscape areas.

Solid Waste

AB 939 and AB 341. In 1989, AB 939, known as the Integrated Waste Management Act (Public Resources Code Sections 40000 et seq.), was passed because of the increase in waste stream and the decrease in landfill capacity. The statute established the California Integrated Waste Management Board, which oversees a disposal reporting system. AB 939 mandated a reduction of waste being disposed where jurisdictions were required to meet diversion goals of all solid waste through source reduction, recycling, and composting activities of 25% by 1995 and 50% by the year 2000.

AB 341 (2011) amended the California Integrated Waste Management Act of 1989 to include a provision declaring that it is the policy goal of the state that not less than 75% of solid waste generated be source-reduced, recycled, or composted by the year 2020, and annually thereafter. In addition, AB 341 required the California Department of Resources Recycling and Recovery (CalRecycle) to develop strategies to achieve the state's policy goal. CalRecycle has conducted multiple workshops and published documents that identify priority strategies that CalRecycle believes would assist the state in reaching the 75 percent goal by 2020.

Increasing the amount of commercial solid waste that is recycled, reused, or composted will reduce GHG emissions primarily by 1) reducing the energy requirements associated with the extraction, harvest, and processing of raw materials and 2) using recyclable materials that require less energy than raw materials to manufacture finished products (CalRecycle 2015). Increased diversion of organic materials (green and food waste) will also reduce GHG emissions (CO₂ and CH₄) resulting from decomposition in landfills by redirecting this material to processes that use the solid waste material to produce vehicle fuels, heat, electricity, or compost.

Other State Regulations and Goals

EO S-13-08. EO Order S-13-08 (November 2008) is intended to hasten California's response to the impacts of global climate change, particularly sea-level rise. Therefore, the EO directs state agencies to take specified actions to assess and plan for such impacts. The final *2009 California Climate Adaptation Strategy* report was issued in December 2009 (CNRA 2009), and an update, *Safeguarding California: Reducing Climate Risk*, followed in July 2014 (CNRA 2014). To assess the state's vulnerability, the report summarizes key climate change impacts to the state for the following areas: Agriculture, Biodiversity and Habitat, Emergency Management, Energy, Forestry, Ocean and Coastal Ecosystems and Resources, Public Health, Transportation, and Water.

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2015 State of the State Address. In January 2015, Governor Brown in his inaugural address and annual report to the Legislature established supplementary goals which would further reduce GHG emissions over the next 15 years. These goals include an increase in California's renewable energy portfolio from 33% to 50%, a reduction in vehicle petroleum use for cars and trucks by up to 50%, measures to double the efficiency of existing buildings, and decreasing emissions associated with heating fuels.

2016 State of the State Address. In his January 2016 address, Governor Brown established a statewide goal to bring per capita GHG emission down to two tons per person, which reflects the goal of the Global Climate Leadership Memorandum of Understanding (Under 2 MOU) to limit global warming to less than two degrees Celsius by 2050. The Under 2 MOU agreement pursues emission reductions of 80% to 95% below 1990 levels by 2050 and/or reach a per capita annual emissions goal of less than two metric tons by 2050. A total of 135 jurisdictions representing 32 countries and six continents, including California, have signed or endorsed the Under 2 MOU (Under 2 2016).

Carbon Offsets. Under AB 32 (described above), CARB implemented a Cap-and-Trade program in which regulated entities must either reduce their emissions to a specified level each year or purchase compliance offsets to reach that level. Under this program, CARB has approved offset project registries that can provide offsets under the program. CARB also has developed offset protocols which guide what constitutes an offset and a project. CARB-approved registries include, but are not necessarily limited to, the American Carbon Registry, Climate Action Reserve, and Verified Carbon Standard. In concert with AB 32, the protocols require that offsets must be real, additional, permanent, verifiable, and enforceable.

For purposes of this environmental analysis, CEQA Guidelines Section 15126.4(c)(3) state that “measures to mitigate the significant effects of GHG emissions may include, among others: Off-site measures including offsets that are not otherwise required, to mitigate a project's emissions.”

3.3 Local Regulations

Escondido Climate Action Plan (E-CAP). The E-CAP, adopted in December 5, 2013, establishes a target of reducing GHG emissions within the City by 15 percent below existing emissions levels by 2020. Accordingly, the E-CAP is intended to reduce 26,807 MT CO₂E per year from new development by 2020 within the City as compared with the 2020 unmitigated conditions (City of Escondido 2013a). Reductions of GHG emissions within the E-CAP are designed to achieve the state's adopted AB 32 GHG reduction target.

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Under the E-CAP, new projects within the City are first screened to determine if E-CAP measures are required. The E-CAP established guidance requiring a 2,500 MT CO₂E screening threshold for all small commercial, residential, and light industrial projects. Projects that do not exceed the 2,500 MT CO₂E screening threshold would be considered to have a “less than significant GHG emissions impact” under the E-CAP.

Projects that are anticipated to generate more than 2,500 MT CO₂E are required to use the screening tables to demonstrate compliance with the E-CAP. The E-CAP’s screening tables provide guidance in measuring the reduction of GHG emissions attributed to certain design and construction measures incorporated into development projects (City of Escondido 2013b). The screening tables assign points for each option incorporated into a project as mitigation or a project design feature. Point values correspond with the minimum emissions reduction that is expected from each feature. If a project achieves a minimum of 100 points, it would be considered consistent with the reduction quantities anticipated in the E-CAP. Projects that exceed 100 points or more do not require project-specific emissions to be quantified.

It should be noted that the E-CAP is not a certified GHG reduction plan beyond 2020. The E-CAP acknowledges that 2020 is only a milestone in the City’s GHG emissions reduction planning and that additional planning for post-2020 is required. The E-CAP indicates that the post-2020 E-CAP would include a specific target for GHG reductions for 2035 and 2050 and states that, “The targets would be consistent with broader state and federal reduction targets and with the scientific understanding of the needed reductions by 2050” (City of Escondido 2013a). For the E-CAP to be a certified GHG reduction plan beyond 2020, it will have to incorporate reduction measures that align with SB 32 and EO S-3-05. As stated in the E-CAP, the E-CAP update process is expected to commence in 2017 at which point the City would incorporate updated land-use and demographic inputs based on changes within the City since the last E-CAP revision.

San Diego Forward: The Regional Plan. On October 9, 2015, the SANDAG Board of Directors adopted the San Diego Forward: The Regional Plan, which has united two of SANDAG’s major planning efforts into one with the next update of the RTP/SCS and an update of the Regional Comprehensive Plan (RCP) that was adopted in 2004. The goals of the Regional Plan are to provide innovative mobility choices and planning to support a sustainable and healthy region, a vibrant economy, and an outstanding quality of life for all. These goals are outlined in policy objectives within the Regional Plan that include habitat and open space preservation, regional economic prosperity, environmental stewardship, mobility choices, partnerships/collaborations, and healthy and complete communities.

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City of Escondido General Plan

The City's General Plan (City of Escondido 2012b) includes various goals and policies designed to help result in a reduction in GHG emissions. As discussed in the General Plan, climate change and GHG reduction policies are addressed in multiple chapters of the General Plan.

The goals and policies for reduction of GHG emissions in the General Plan are as follows:

Land Use and Community Form

- **Goal 1:** A community composed of distinct residential neighborhoods, business districts, and employment centers, whose urban form reflects the natural environmental setting.
- **Policy 1.8:** Require development projects to locate and design buildings, construct energy and water efficient infrastructure, reduce greenhouse gas emissions, enhance community livability and economic vitality, and implement other practices contributing to sustainable resources.
- **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.
- **Goal 4:** Residential neighborhoods that are well maintained and enduring, and continue to be great places to live for multiple generations.
- **Policy 4.3:** Integrate pedestrian-friendly features, promote walkability, and work with residents to enhance existing neighborhood character and aesthetics.
- **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.
- **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.

Mobility and Infrastructure

- **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.
- **Policy 3.2:** Develop and manage pedestrian facilities to maintain an acceptable Level of Service.
- **Policy 3.3:** Maintain a pedestrian environment that is accessible to all.

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- **Policy 4.2:** Develop and manage bicycle facilities to maintain an acceptable Level of Service.
- **Policy 4.3:** Promote bicycling as a common mode of transportation and recreation to help reduce traffic congestion.
- **Goal 2:** Adequate and sustainable infrastructure and water supply to serve a community that values and conserves water.
- **Policy 12.12:** Incorporate water conservation techniques into building and site design incorporating such elements as water efficient fixtures; drought-tolerant landscape, permeable hardscapes, and onsite stormwater capture and reuse facilities.
- **Goal 3:** Provision of adequate and sustainable wastewater infrastructure to serve residents, businesses and property.
- **Policy 13.11:** Require new development to implement appropriate and feasible systems that reduce the amount of wastewater requiring treatment.
- **Goal 4:** Provision of adequate and sustainable infrastructure that is environmentally sensitive to serve residents, businesses, and property.
- **Policy 14.4:** Require new development to create a mechanism to finance and fund ongoing maintenance of stormwater facilities.
- **Policy 14.5:** Require new development to prepare drainage studies and improvement plans that demonstrate no net increase in stormwater runoff and compliance with adopted stormwater plans.
- **Goal 6:** An increased use of renewable energy sources, and improved energy conservation and efficiency.
- **Policy 16.4:** Encourage site and building design that reduces exterior heat gain and heat island effects.
- **Policy 16.5:** Require building orientations and landscaping that use natural lighting to reduce energy demands.

Resource Conservation

- **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.
- **Policy 7.3:** New development projects incorporate feasible measures that reduce construction and operational emissions.

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4 CLIMATE CHANGE CONDITIONS AND INVENTORIES

4.1 Sources of Greenhouse Gas Emissions

Global Inventory

Anthropogenic GHG emissions worldwide in 2012 (the most recent year for which data is available) totaled approximately 44,816 million metric tons (MMT) CO₂E (WRI 2015). Six countries—China, the United States, the Russian Federation, India, Japan, and Brazil—and the European community accounted for approximately 65% of the total global emissions, approximately 29,300 MMT CO₂E (WRI 2015). Table 1 presents the top GHG-emissions-producing countries.

Table 1
Six Top GHG Producer Countries and the European Community

Emitting Countries	GHG Emissions (MMT CO ₂ E) ^a
China	10,975.5
United States	6,235.1
European Union	4,399.2
India	3,013.8
Russian Federation	2,322.2
Japan	1,344.6
Brazil	1,012.6
Total	29,302.9

Source: WRI 2015

Notes: Total may not sum due to rounding.

National and State Inventories

Per the U.S. Environmental Protection Agency's (EPA) *Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990–2014* (2016b), total GHG emissions in the United States were approximately 6,870.5 MMT CO₂E in 2014. The primary GHG emitted by human activities in the United States was CO₂, which represented approximately 80.9% of total GHG emissions (5,556.0 MMT CO₂E) for that year. The largest source of CO₂, and of overall GHG emissions, was fossil-fuel combustion, which accounted for approximately 93.7% of CO₂ emissions in 2014 (5,208.2 MMT CO₂E). Total GHG emissions in the United States have increased by 7.4% from 1990 to 2014, and emissions increased from 2013 to 2014 by 1.0% (70.5 MMT CO₂E). Since 1990, GHG emissions have increased in the United States at an average annual rate of 0.3%; however, overall, net emissions in 2014 were 8.6% below 2005 levels (EPA 2016b).

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According to California’s 2000–2014 GHG emissions inventory (2016 edition), California emitted 441.5 MMT CO₂E in 2014, including emissions resulting from out-of-state electrical generation (CARB 2016a). The sources of GHG emissions in California include transportation, industry, electric power production from both in-state and out-of-state sources, residential and commercial activities, agriculture, high GWP substances, and recycling and waste. The California GHG emission source categories and their relative contributions in 2014 are presented in Table 2.

Table 2
GHG Emissions Sources in California

Source Category	Annual GHG Emissions (MMT CO ₂ E)	Percent of Total ^a
Transportation	159.53	36%
Industrial uses	93.32	21%
Electricity generation ^b	88.24	20%
Residential and commercial uses	38.34	9%
Agriculture	36.11	8%
High GWP substances	17.15	4%
Recycling and waste	8.85	2%
Total	441.54	100%

Source: CARB 2016a.

Notes: Emissions reflect the 2014 California GHG inventory.

MMT CO₂E = million metric tons of carbon dioxide equivalent per year

^a Percentage of total has been rounded, and total may not sum due to rounding.

^b Includes emissions associated with imported electricity, which account for 36.51 MMT CO₂E annually.

During the 2000 to 2014 period, per-capita GHG emissions in California have continued to drop from a peak in 2001 of 13.9 MT per person to 11.4 MT per person in 2014, representing an 18% decrease. In addition, total GHG emissions in 2014 were 2.8 MMT CO₂E less than 2013 emissions.

City of Escondido Inventory

The E-CAP includes GHG inventories of community-wide and municipal sources for the year 2010. Escondido’s 2010 inventory amounted to 886,118 MT CO₂E from community-wide sources and 18,143 MT CO₂E from municipal operations (City of Escondido 2013a). Following the state’s adopted AB 32 GHG reduction target, Escondido set a goal to reduce emissions back to 1990 levels by the year 2020. This target was calculated as a 15% reduction from 2005 levels, as recommended in the AB 32 Scoping Plan.

The estimated community-wide emissions for the year 2020, based on population and housing growth projections associated with the assumptions used in the proposed General Plan Update, are 992,583 MT CO₂E. To reach the reduction target, Escondido must offset this growth in emissions and reduce community-wide emissions to 788,176 MT CO₂E by the year 2020.

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Table 3 summarizes the E-CAP's community-wide emissions for 2010, 2020, and the reduced 2020 inventory with the inclusion of the proposed reduction measures outlined in the E-CAP.

**Table 3
E-CAP 2010 and 2020 GHG Emissions**

Source Category	2010	2020	Reduced 2020	Percent Reduced
	metric tons CO ₂ E			
Transportation	368,622	419,741	310,662	26%
Energy	395,565	441,025	357,914	19%
Area Sources	52,559	54,977	54,451	1%
Water and Wastewater	25,360	27,278	21,979	19%
Solid Waste	41,724	47,273	41,061	13%
Construction	2,288	2,288	2,059	10%
Total	886,118	992,583	788,127	21%
2020 Reduction Target		788,176		

Source: City of Escondido 2013a

Notes:

Mass emissions of CO₂E are rounded to the nearest whole number.

Totals shown may not add up due to rounding.

The reduction target for 2020 is based on a 15% decrease from Escondido's revised 2005 emissions inventory

CO₂E = carbon dioxide equivalent.

As shown in Table 3, the E-CAP exceeds the City's 15% reduction set forth for 2020 with the state and local GHG emissions reduction measures. Table 4 summarizes the E-CAP's 2035 emissions for Escondido based on the anticipated growth rates included in Escondido's General Plan update and the 2035 reduced inventory, which includes the reduction measures outlined in the E-CAP as well as the assumption that the current statewide measures are extended beyond 2020.

**Table 4
E-CAP 2010 and 2035 GHG Emissions**

Source Category	2010	2035	Reduced 2035	Percent Reduced
	Metric Tons CO ₂ E			
Transportation	368,622	556,818	271,436	51%
Energy	395,565	523,427	357,294	32%
Area sources	52,559	59,151	57,733	2%
Water and wastewater	25,360	30,980	23,779	23%
Solid waste	41,724	57,518	41,061	29%
Construction	2,288	2,288	2,059	10%
Total	886,118	1,230,182	753,363	39%

Source: City of Escondido 2012b.

Notes: CO₂E = carbon dioxide equivalent.

Mass emissions of CO₂E are rounded to the nearest whole number. Totals shown may not sum due to rounding.

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4.2 Potential Effects of Climate Change

Globally, climate change has the potential to affect numerous environmental resources through uncertain impacts related to future air temperatures and precipitation patterns. The 2014 *Intergovernmental Panel on Climate Change Synthesis Report* (IPCC 2014) indicated that warming of the climate system is unequivocal and, since the 1950s, many of the observed changes are unprecedented over decades to millennia. Signs that global climate change has occurred include warming of the atmosphere and ocean, diminished amounts of snow and ice, rising sea levels, and ocean acidification (IPCC 2014).

In California, climate change impacts have the potential to affect sea-level rise, agriculture, snowpack and water supply, forestry, wildfire risk, public health, frequency of severe weather events, and electricity demand and supply. The primary effect of global climate change has been a 0.2°C rise in average global tropospheric temperature per decade, determined from meteorological measurements worldwide between 1990 and 2005. Scientific modeling predicts that continued emissions of GHGs at or above current rates would induce more extreme climate changes during the twenty-first century than were observed during the twentieth century. A warming of about 0.2°C (0.36°F) per decade is projected, and there are identifiable signs that global warming could take place.

Although climate change is driven by global atmospheric conditions, climate change impacts are felt locally. A scientific consensus confirms that climate change is already affecting California. The average temperatures in California have increased, leading to more extreme hot days and fewer cold nights. Shifts in the water cycle have been observed, with less winter precipitation falling as snow, and both snowmelt and rainwater running off earlier in the year. Sea levels have risen, and wildland fires are becoming more frequent and intense due to dry seasons that start earlier and end later (CAT 2010).

An increase in annual average temperature is a reasonably foreseeable effect of climate change. Observed changes over the last several decades across the western United States reveal clear signals of climate change. Statewide average temperatures increased by about 1.7°F from 1895 to 2011, and warming has been greatest in the Sierra Nevada (CCCC 2012). By 2050, California is projected to warm by approximately 2.7°F above 2000 averages, a threefold increase in the rate of warming over the last century. By 2100, average temperatures could increase by 4.1°F to 8.6°F, depending on emissions levels. Springtime warming—a critical influence on snowmelt—will be particularly pronounced. Summer temperatures will rise more than winter temperatures, and the increases will be greater in inland California, compared to the coast. Heat waves will be more frequent, hotter, and longer. There will be fewer extremely cold nights (CCCC 2012). A decline of

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Sierra Nevada snowpack, which accounts for approximately half of the surface water storage in California, by 30% to as much as 90% is predicted over the next 100 years (CAT 2006).

Model projections for precipitation over California continue to show the Mediterranean pattern of wet winters and dry summers with seasonal, year-to-year, and decade-to-decade variability. For the first time, however, several of the improved climate models shift toward drier conditions by the mid-to-late twenty-first century in central, and most notably, Southern California. By the late century, all projections show drying, and half of them suggest 30-year average precipitation will decline by over 10% below the historical average (CCCC 2012).

A summary of current and future climate change impacts to resource areas in California, as discussed in the *Safeguarding California: Reducing Climate Risk* (CNRA 2014), is provided below.

Agriculture. The impacts of climate change on the agricultural sector are far more severe than the typical variability in weather and precipitation patterns that occur year to year. The agriculture sector and farmers face some specific challenges that include more drastic and unpredictable precipitation and weather patterns; extreme weather events that range from severe flooding to extreme drought to destructive storm events; significant shifts in water availability and water quality; changes in pollinator lifecycles; temperature fluctuations, including extreme heat stress and decreased chill hours; increased risks from invasive species and weeds, agricultural pests, and plant diseases; and disruptions to the transportation and energy infrastructure supporting agricultural production. These challenges and associated short-term and long-term impacts can have both positive and negative effects on agricultural production. Nonetheless, it is predicted that current crop and livestock production will suffer long-term negative effects resulting in a substantial decrease in the agricultural sector if not managed or mitigated.

Biodiversity and Habitat. The state's extensive biodiversity stems from its varied climate and assorted landscapes, which have resulted in numerous habitats where species have evolved and adapted over time. Specific climate change challenges to biodiversity and habitat include species migration in response to climatic changes, range shift and novel combinations of species; pathogens, parasites and disease; invasive species; extinction risks; changes in the timing of seasonal life-cycle events; food web disruptions; threshold effects (i.e., a change in the ecosystem that results in a "tipping point" beyond which irreversible damage or loss has occurred). Habitat restoration, conservation, and resource management across California and through collaborative efforts amongst public, private and nonprofit agencies has assisted in the effort to fight climate change impacts on biodiversity and habitat. One of the key measures in these efforts is ensuring species' ability to relocate as temperature and water availability fluctuate as a result of climate change based on geographic region.

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Energy. The energy sector provides California residents with a supply of reliable and affordable energy through a complex integrated system. Specific climate change challenges for the energy sector include temperature, fluctuating precipitation patterns, increasing extreme weather events and sea level rise. Increasing temperatures and reduced snowpack negatively impact the availability of a steady flow of snowmelt to hydroelectric reservoirs. Higher temperatures also reduce the capacity of thermal power plants since power plant cooling is less efficient at higher ambient temperatures. Increased temperatures will also increase electricity demand associated with air conditioning. Natural gas infrastructure in coastal California is threatened by sea level rise and extreme storm events.

Forestry. Forests occupy approximately 33% of California's 100 million acres and provide key benefits such as wildlife habitat, absorption of carbon dioxide, renewable energy and building materials. The most significant climate change related risk to forests is accelerated risk of wildfire and more frequent and severe droughts. Droughts have resulted in more large-scale mortalities and combined with increasing temperatures have led to an overall increase in wildfire risks. Increased wildfire intensity subsequently increases public safety risks, property damage, fire suppression and emergency response costs, watershed and water quality impacts, and vegetation conversions. These factors contribute to decreased forest growth, geographic shifts in tree distribution, loss of fish and wildlife habitat and decreased carbon absorption. Climate change may result in increased establishment of non-native species, particularly in rangelands where invasive species are already a problem. Invasive species may be able to exploit temperature or precipitation changes, or quickly occupy areas denuded by fire, insect mortality or other climate change effects on vegetation.

Ocean and Coastal Ecosystems and Resources. Sea level rise, changing ocean conditions, and other climate change stressors are likely to exacerbate long-standing challenges related to ocean and coastal ecosystems in addition to threatening people and infrastructure located along the California coastline and in coastal communities. Sea level rise in addition to more frequent and severe coastal storms and erosion are threatening vital infrastructure such as roads, bridges, power plants, ports and airports, gasoline pipes, and emergency facilities as well as negatively impacting the coastal recreational assets such as beaches and tidal wetlands. Water quality and ocean acidification threaten the abundance of seafood and other plant and wildlife habitats throughout California and globally.

Public Health. Climate change can impact public health through various environmental changes and is the largest threat to human health in the twenty-first century. Changes in precipitation patterns affect public health primarily through potential for altered water supplies, and extreme events such as heat, floods, droughts, and wildfires. Increased frequency, intensity, and duration of extreme heat and heat waves are likely to increase the risk of mortality due to heat related illness as well as exacerbate

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existing chronic health conditions. Other extreme weather events are likely to negatively impact air quality and increase or intensify respiratory illness such as asthma and allergies. Additional health effects that climate change may affect include cardiovascular disease, vector-borne diseases, mental health impacts, and malnutrition injuries. Increased frequency of these ailments is likely to increase the direct risk of injury and/or mortality.

Transportation. Residents of California rely on airports, seaports, public transportation and an extensive roadway network to gain access to destinations, goods and services. While the transportation industry is a source of GHG emissions, it is also vulnerable to climate change risks. Particularly, sea level rise and erosion threaten many coastal California roadways, airports, seaports, transit systems, bridge supports and energy and fueling infrastructure. Increasing temperatures and extended periods of extreme heat threaten the integrity of the roadways and rail lines. High temperatures cause the road surfaces to expand, which leads to increased pressure and pavement buckling. High temperatures can also cause rail breakages, which could lead to train derailment. Other forms of extreme weather events, such as extreme storm events, can negatively impact infrastructure, which can impair movement of peoples and goods, or potentially block evacuation routes and emergency access roads. Increased wildfires, flooding, erosion risks, landslides, mudslides and rockslides can all profoundly impact the transportation system and pose a serious risk to public safety.

Water. Water resources in California support residences, plants, wildlife, farmland, landscapes and ecosystems and bring trillions of dollars in economic activity. Climate change could seriously impact the timing, form, amount of precipitation, runoff patterns, and frequency and severity of precipitation events. Higher temperatures reduce the amount of snowpack and lead to earlier snowmelt, which can impact water supply availability, natural ecosystems and winter recreation. Water supply availability during the intense dry summer months is heavily dependent on the snowpack accumulated during the winter. Increased risk of flooding has a variety of public health concerns including water quality, public safety, property damage, displacement and post-disaster mental health problems. Prolonged and intensified droughts can also negatively groundwater reserves and result in increased overdraft and subsidence. Droughts can also negatively impact agriculture and farmland throughout the state. The higher risk of wildfires can lead to increased erosion, which can negatively impact watersheds and result in poor water quality. Water temperatures are also prone to increase, which can negatively impact wildlife that rely on a specific range of temperatures for suitable habitat.

Additionally, in March 2016, the California Natural Resources Agency released *Safeguarding California: Implementation Action Plans*, a document that shows how California is acting to convert the recommendations contained in the 2014 *Safeguarding California* plan into action (CNRA 2016). The 2016 *Implementation Plans* report is divided by ten sectors (i.e., agriculture,

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biodiversity and habitat, emergency management, energy, forestry, land use and community development, oceans and coastal resources and ecosystems, public health, transportation, and water), and shows the path forward by presenting the risks posed by climate change, the adaptation efforts underway, and the actions that will be taken to safeguard residents, property, communities, and natural systems.

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5 SIGNIFICANCE CRITERIA AND METHODOLOGY

5.1 Significance Criteria

CEQA Guidelines for the Determination of Significance

SB 97, enacted in 2007, expressly recognized the need to analyze GHG emissions as a part of the CEQA process. SB 97 required the Governor’s Office of Planning and Research (OPR) to develop, and the Natural Resources Agency to adopt, amendments to the CEQA Guidelines to address the analysis and mitigation of GHG emissions. (Pub. Resources Code section 21083.05.) In 2010, a series of CEQA Guidelines amendments were adopted to fulfill SB 97 requirements, including revisions to Appendix G of the CEQA Guidelines. The revisions included two questions related to GHG emissions, which were intended to satisfy the Legislative directive in Public Resources Code section 21083.05 that the effects of GHG emissions be analyzed under CEQA.

Section 15064.4 of the CEQA Guidelines was added as one of the amendments addressing GHG emissions. Section 15064.4 states that the “determination of the significance of greenhouse gas emissions calls for a careful judgment by the lead agency consistent with the provisions in section 15064. A lead agency should make a good-faith effort, based to the extent possible on scientific and factual data, to describe, calculate or estimate the amount of greenhouse gas emissions resulting from a project.”³ Section 15064.4(b)(1)-(3) further states that “a lead agency should consider the following factors, among others, when assessing the significance of impacts from greenhouse gas emissions on the environment: (1) the extent to which a project may increase or reduce greenhouse gas emissions as compared to the existing environmental setting; (2) whether project emissions exceed a threshold of significance that the lead agency determines applies to the project; and, (3) the extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of greenhouse gas emissions.”

Recognizing that GHG emissions contribute to the cumulative impact condition of global climate change, section 15064(h)(1) of the CEQA Guidelines is also applicable. Section 15064(h)(1) states that “the lead agency shall consider whether the cumulative impact is significant and whether the effects of the project are cumulatively considerable.” A cumulative impact may be significant when the project’s incremental effect, though individually limited, is cumulatively considerable. “Cumulatively considerable” means that the incremental effects of an individual

³ Section 15064 of the CEQA Guidelines provides the foundational guidance for determinations of significant effect on the environment. As noted in subsection (b) of section 15064, “[a]n ironclad definition of significant effect is not always possible because the significance of an activity may vary with the setting.”

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project are significant when viewed in connection with the effects of other past, current, and reasonably foreseeable probable future projects. As discussed above, climate change is the product of incremental contributions of GHG emissions on a global scale.

Finally, Section 15064(h)(3) of the CEQA Guidelines is pertinent. Section 15064(h)(3) states that “[a] lead agency may determine that a project’s incremental contribution to a cumulative effect is not cumulatively considerable if the project will comply with the requirements in a previously approved plan or mitigation program ... that provides specific requirements that will avoid or substantially lessen the cumulative problem within the geographic area in which the project is located.”

Appendix G of the CEQA Guidelines

The State of California has developed guidelines to address the significance of greenhouse gas emissions impacts that are contained in Appendix G of the CEQA Guidelines (14 CCR 15000 et seq.). Appendix G provides that a project would have a significant environmental impact if it would:

- A. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment
- B. Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases

Neither the State of California nor the SDAPCD has adopted emission-based thresholds of significance for GHG emissions under CEQA.

For purposes of GHG significance criterion A from Appendix G, the Project’s GHG emissions are assessed by evaluating the Project’s consistency with the E-CAP, as well as the Project’s potential to exceed a City-specific efficiency metric threshold (i.e., service population threshold) for 2023. The efficiency metric threshold developed for the purposes of this GHG emissions analysis is discussed below in detail.

For purposes of GHG significance criterion B from Appendix G, the Project is assessed based on its potential to conflict with the City’s E-CAP, SANDAG’s Regional Plan, and CARB’s Scoping Plan, including the Draft 2030 Scoping Plan. The Regional Plan and Scoping Plan goals and measures are analyzed against the Project as part of the consistency analysis. The potential for the Project to conflict with these plans is addressed in detail below.

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City of Escondido's E-CAP Significance Criteria

Consistent with the CEQA Guidelines and the E-CAP, each new Project within the City subject to CEQA is evaluated relative to the following criteria:

- Projects below the E-CAP's screening threshold of 2,500 MT CO₂E for GHGs are determined to be less than significant and no further GHG analysis is required.
- Projects that exceed the E-CAP's screening threshold are able to tier from the GHG analysis associated with the E-CAP, and demonstrate that impacts are less than significant, by accumulating 100 points from the E-CAP's screening tables for new development (City of Escondido 2013b).

To evaluate the potential for the Project to generate GHG emissions that may have a significant impact on the environment (GHG significance criterion 1) and the potential for the Project to conflict with an applicable GHG reduction plan, policy, or regulation (GHG significance criterion 2), this analysis applies the City's two-part framework identified above. This approach is discussed further below.

City-Specific Efficiency Metric

The significance criteria used in this GHG emissions analysis are those set forth above from Appendix G of the CEQA Guidelines; and, the application of those criteria is informed by CEQA Guidelines Sections 15064, 15064.4, and 15126.4. However, for information and disclosure purposes, this report also provides an additional analysis using an efficiency metric.

An efficiency metric is calculated by dividing the allowable GHG emissions inventory in a selected calendar year by the service population (residents plus employees), which then leads to the identification of a quantity of emissions that can be permitted on a per service population basis without significantly impacting the environment. This approach is appropriate for the Project because it measures the Project's emissions on a per-service population basis to determine its overall GHG efficiency relative to regulatory GHG reduction goals, as opposed to applying a relatively arbitrary threshold limit that may not be well substantiated. Under the efficiency metric, the Project's GHG emissions are evaluated herein relative to the emissions level in the Project's build-out year and the build-out year's associated efficiency metric. To that end, an efficiency metric was calculated based on the 2023 emissions level (year of Project build-out) and the Project's service population (sum of number of employees and the number of residents provided by the Project).

As there are no emissions, employment, or population data specific to the Project's build-out year (2023), an efficiency metric was generated for year 2023 by interpolating the efficiency

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metrics for years 2020 and 2035. As illustrated below, the efficiency metric is first calculated for 2020, so as to establish the benchmark for compliance with AB 32’s 2020 reduction target (a return to 1990 levels). The benchmark is then interpolated to the Project’s build-out year, using the 5.2% rate of average annual decline identified by CARB as necessary to achievement of SB 32’s 2030 reduction target (40% below 1990 levels) and EO S-3-05’s 2050 reduction target (80% below 1990 levels) (CARB 2015b).

To develop the 2020 efficiency metric, emissions from the E-CAP were used for year 2020, which includes enacted state-wide and local GHG reduction measures. To develop the service population for that year, the City’s General Plan EIR was relied upon for the forecasted population, which is consistent with the assumptions in the E-CAP. To determine the employment data for 2020, the SANDAG 2050 Series 12 Regional Growth Forecast was used for the City, which was the closest employment data available compared to the underlying data used in the E-CAP forecasts.

To develop the efficiency metric for 2035, the City’s forecasted emissions in 2020, as provided in the E-CAP, were reduced by 5.2% per year through 2035, which is consistent with the CARB’s Scoping Plan target (CARB 2015b). The SANDAG 2050 Regional Growth Forecast Series 13 was then used for year 2035 population and employment data for the City. The Series 13 forecast is SANDAG’s most recent forecast. (SANDAG periodically adopts updated regional forecasts, with the most recent (Series 13) adopted in 2013. At the time of this writing, the Series 14 forecast has not yet been adopted.)

The efficiency metric for 2020, 2035, and the interpolation for 2023 are illustrated below in Table 5. If the Project achieves the 2023 efficiency metric, the Project would not interfere with the State’s ability to achieve the mid-term and long-term GHG reduction targets per SB 32 and EO S-3-05.

**Table 5
2020 and 2035 Calculated Efficiency Metric**

	Population	Employment	Service Population (Population + Employment)	Emissions (MT CO ₂ E)	Efficiency Metric (MT/SP/yr)
2020 Efficiency Metric – E-CAP	154,329 ¹	66,803 ²	221,132	788,127 ³	3.56
2035 Efficiency Metric – CARB Annual Reduction	172,892 ⁴	57,762 ⁴	230,654	353,770 ⁵	1.53
2035 Efficiency Metric – E-CAP	172,892 ⁴	57,762 ⁴	230,654	753,363 ⁶	3.27

Sources:

- ¹ Table 4.13-2 Forecasted Population Growth Escondido and San Diego County, of the Escondido General Plan, Downtown Specific Plan and Climate Action Plan EIR (City of Escondido 2012a).
- ² SANDAG 2050 Regional Growth Forecast, Series 12 (SANDAG 2011b).
- ³ Table 5-9 of the City of Escondido Climate Action Plan (City of Escondido 2013a).

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⁴ SANDAG 2050 Regional Growth Forecast, Series 13 (SANDAG 2013).

⁵ 2035 emissions were calculated based on the City's E-CAP forecast for 2020 and using a 5.2% annual reduction based on the CARB Update to the Scoping Plan (CARB 2015b).

⁶ Table 5-11 of the City of Escondido Climate Action Plan (City of Escondido 2013a).

Notes: CARB = California Air Resources Board; CO₂E = carbon dioxide equivalent; E-CAP = Escondido Climate Action Plan; MT = metric ton; SP = service population; yr = year.

As shown in Table 5, the 2035 emissions from the E-CAP are higher than that calculated using the CARB's Scoping Plan emissions trajectory. The calculated efficiency metric for 2023 using both CARB's Scoping Plan and the E-CAP are shown in Table 6.

Table 6
2023 Interpolated Efficiency Metric

	2020 Efficiency Metric (MT/SP/yr)	2035 Efficiency Metric (MT/SP/yr)	2023 Efficiency Metric ¹ (MT/SP/yr)
2023 Efficiency Metric – CARB Annual Reduction	3.56	1.53	3.15
2023 Efficiency Metric – E-CAP	3.56	3.27	3.50

Notes: CARB = California Air Resources Board; E-CAP = Escondido Climate Action Plan; MT = metric ton; SP = service population; yr = year

¹ The 2023 efficiency metric was calculated as follows: $((2035 \text{ Efficiency Metric} - 2020 \text{ Efficiency Metric}) \div (2035 - 2020)) \times (2023 - 2020) + (2020 \text{ Efficiency Metric})$.

As shown in Table 6, the calculated efficiency metric for 2023 based on the CARB Scoping Plan projected emissions trajectory was 3.15 MT/SP/yr. In contrast, when using the same 2020 efficiency metric but using the E-CAP emissions projection for 2035, the efficiency metric is 3.50 MT/SP/yr. The CARB based efficiency metric is thus a more conservative significance threshold and is used further in this report.

Again, this 2023 efficiency metric reflects the trajectory planned in the State's Scoping Plan. If the Project achieves the 2023 efficiency metric, it would not interfere with attainment of the 2030 and 2050 statewide emission reduction targets, and therefore not interfere with the State's and the City's ability to achieve the mid-term and long-term GHG reduction targets in the E-CAP.

5.2 Approach and Methodology

5.2.1 Construction Assumptions and Methodology

Emissions from the construction phase of the Project were estimated using the California Emissions Estimator Model (CalEEMod), Version 2016.3.1, available online (www.caleemod.com).

As described in Section 1.3, the Project would construct 332 single-family homes, 60 condos, 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

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commence in January 2018 and will last approximately 66 months, ending in June 2023. The analysis contained herein is based on the following assumptions outlined in Table 7 (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. 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 (i.e., grading, soil import, trenching for dry and wet utilities, and surface improvements) for vertical building construction would commence; it was assumed that site preparation activities would occur in four phases.⁴ Three paving phases to represent off-site improvement areas on Country Club Lane, El Norte Parkway, and Nutmeg Street also were modeled. One building construction phase and one architectural coating phase were modeled, in order to represent continual building construction and painting without interruptions in the schedule.

**Table 7
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

⁴ Phase 1 would include Village 1 and the Village Center. Phase 2 would include Village 2. Phase 3 would include the northeast parcel of Village 3, bordered by Country Club Lane, La Brea Street, La Mirada Avenue, and Nutmeg Lane. Phase 4 would include the southwest portion of Village 3 bordered by La Brea Street, Country Club Lane, and Firestone Drive.

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Table 7
Construction Phasing Assumptions

Project Construction Phase	Construction Start Month/Year	Construction End Month/Year
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: Kruer, pers. comm. 2017.

Notes: DU = dry utilities, WU = wet 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 shown in Table 8, Construction Scenario Assumptions. 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 8
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

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Table 8
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
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
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

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Table 8
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
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
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

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Table 8
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
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
				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 –	24	4	0	Graders	2	8
				Off-highway trucks	1	8

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Table 8
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
Phase 4				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.

Construction phasing specifications and the construction equipment mix were provided by the Project applicant. 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. CalEEMod defaults were assumed for construction worker, vendor, and haul trip length. 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. There will be demolition of the existing Country Club building and associated structures, which was estimated to total 55,297 square feet.

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.

Emission Reduction Strategies

There are no quantifiable construction-related emission reduction strategies (non-mitigation measures) assumed for the construction of the Project.

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5.2.2 Operational Assumptions and Methodology

Area Sources

CalEEMod was used to estimate operational emissions from area sources, including emissions from landscape maintenance equipment and hearths. (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.)

Landscape maintenance includes fuel combustion emissions from equipment such as lawn mowers, rototillers, shredders/grinders, blowers, trimmers, chain saws, 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 “summer” days are estimated to be 180 days (CAPCOA 2016).

Hearths result in emissions from the combustion of wood or natural gas in stoves and fireplaces. The proposed Project is designed to only use natural gas stoves and fireplaces.

Energy Sources

As represented in CalEEMod, energy sources include GHG emissions associated with building electricity and natural gas usage (non-hearth).

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 previous amendments were referred to as the 2013 standards.

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The Project applicant is committed to exceeding the 2016 Title 24 energy standards by 15%. The Project also involved implementation of rooftop solar photovoltaic energy production, which will 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 GHG 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 average weekday trip rates were taken from the Transportation Impact Analysis for the report (Linscott Law & Greenspan 2017). The average 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 then 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. 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 completion of the last phase of the Project and would represent maximum daily operational emissions.

As discussed in detail in the Specific Alignment Plan of the Traffic Impact Analysis, the Project is designed to improve the pedestrian and bicyclist network in the neighborhood through the use of a walking and bicycling trail system that connects all residential villages, the Village Center, and the adjacent neighborhoods together. All on-site Project roadways would include street and intersection improvements that operate as traffic calming measures. The Project will also include traffic calming measures for a few of the surrounding streets and intersections. Additionally, the Project would provide 10 publicly accessible charging stations for electric vehicles at the Village Center. Although not quantified in this analysis, it is expected that the inclusion of electric vehicle charging stations would reduce mobile source GHG emissions in the City.

Solid Waste

The Project would generate solid waste and would therefore result in CO₂E emissions associated with landfill off-gassing. Solid waste generation was derived from the CalEEMod default rates for each land-use type. Emission estimates associated with solid waste were estimated using CalEEMod. A solid waste diversion rate of 50% was assumed in accordance with AB 939.

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Water Supply and Wastewater

Water supplied to the Project requires the use of electricity. Accordingly, the supply, conveyance, treatment, and distribution of water would indirectly result in GHG emissions through use of electricity. Annual water use for the Project and GHG emissions associated with the electricity used for water supply were calculated based upon default water use estimates for each land-use type as estimated by CalEEMod and SDG&E factors. The Project would include low-flow fixtures in all buildings and use non-potable water for irrigation of the parks and greenbelts. Additional reclaimed water will be available for the Project to use, but, as a conservative measure, it was only assumed to be used for the parks and greenbelts.

Project Service Population

As previously discussed, a project’s “service population” refers to a project’s residents plus employees that would be generated by the project. To estimate the residents for the Project, the persons per household ratio for 2020 and 2035 from the City’s General Plan EIR were used to interpolate the persons per household ratio for 2023 as shown in Table 9.

Table 9
2020 and 2035 Calculated Persons Per Household

Year	Population	Households	Persons Per Household (Population/Household)
2020	163,292	51,020	3.20
2035	170,608	53,354	3.20

Source: The population and household data are based on the household population and occupied housing units data in the Population and Housing Table in SANDAG’s Series 13 Regional Growth Forecast (SANDAG 2013).

As the persons per household ratio is the same for 2020 and 2035, that ratio will be used for 2023. Using the 2023 persons per household ratio of 3.20 as calculated above and the 392 residential units, the estimated residential population of the Project would be 1,254.4, rounded to 1,254 residents.

The SANDAG 2050 Regional Growth Forecast Series 13 dataset provides an employment density in jobs per developed acre for industrial, retail, office, schools, and half of mixed use acres for the City. The employment density for 2020 and 2035 was used to interpolate an employment density for 2023 as shown in Table 10.

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Table 10
2023 Interpolated Employment Density

2020 Employment Density	2035 Employment Density	2023 Employment Density
16.5	17.4	16.7

Source: SANDAG 2050 Regional Growth Forecast, Series 13 (SANDAG 2013).

Note: The 2023 employment density was calculated as follows: $((2035 \text{ Employment Density} - 2020 \text{ Employment Density}) \div (2035 - 2020)) \times (2023 - 2020) + 2020 \text{ Employment Density} = 2023 \text{ Employment Density}$.

As shown above, the interpolated employment density for 2023 would be 16.7 jobs per acre for the City. The Project's Village Center, which will drive the employment for the Project, is planned to be 5.6 acres. Therefore, the Project would be estimated to employ 93.52 persons (16.7 jobs per acre $\times$ 5.6 acres), rounded to 94.

Accordingly, the Project's anticipated service population is 1,348 persons (1,254 residents + 94 employees).

Emission Reduction Strategies

The following operational emission reduction strategies (non-mitigation measures) were quantitatively assumed in CalEEMod:

- Regulatory Compliance Strategy
 - Reduce solid waste disposal by at least 50% in accordance with AB 939.
- Project Design Features
 - Exceed 2016 Title 24 building energy efficiency standards by 15%.
 - Provision of rooftop solar photovoltaic that will cover 70% of residential building electricity use and 50% of the Village Center electricity use.
 - Traffic calming measures for all new streets and existing affected streets and intersections.
 - Improve the pedestrian network of the community by constructing an integrated walking and bicycling trail that would connect the villages with the Village Center and adjacent community.
 - Use reclaimed water for park and greenbelt irrigation.
 - Use low-flow water fixtures.
 - The Project includes 10 publicly accessible electric-vehicle charging stations at the Village Center.

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6 IMPACT ANALYSIS

The significance criteria described in Chapter 5, Significance Criteria and Methodology, were used to evaluate GHG emissions impacts associated with the Project.

6.1 Would the Project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

Construction Impacts

Construction of the Project would result in GHG emissions, which are primarily associated with use of off-road construction equipment, on-road hauling and vendor (material delivery) trucks, and worker vehicles. GHG emissions associated with temporary construction activity were quantified using the CalEEMod. A detailed depiction of the construction schedule—including information regarding phasing, equipment utilized during each phase, haul trucks, vendor trucks, and worker vehicles—is included in Section 5.2.1, Construction Assumptions and Methodology, of this report.

Table 11 shows the estimated annual GHG construction emissions associated with the Project, as well as the amortized construction emissions over a 30-year “project life.”

Table 11
Estimated Annual Construction Greenhouse Gas Emissions

Year	CO ₂	CH ₄	N ₂ O	CO ₂ E
	Metric Tons per Year			
2018	2,862.79	0.87	0.00	2,884.66
2019	2,621.49	0.52	0.00	2,634.55
2020	684.59	0.10	0.00	687.11
2021	674.53	0.10	0.00	676.99
2022	664.26	0.10	0.00	666.68
2023	322.15	0.04	0.00	323.24
Total				7,873.23
Amortized Emissions				262.44

Notes: CO₂ = carbon dioxide; CH₄ = methane; N₂O = nitrous oxide; CO₂E = carbon dioxide equivalent.
See Appendix A for complete results.

Total construction emissions for the Project were 7,873 MT CO₂E. Estimated amortized Project-generated construction emissions would be approximately 262 MT CO₂E. However, because there

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is no separate GHG threshold for construction emissions alone, the evaluation of significance is discussed in the operational emissions analysis below.

Operational Impacts

Operation of the Project would result in GHG emissions from vehicular traffic, area sources (e.g., natural gas combustion and landscaping), electrical generation, water supply, and solid waste as described below. Table 12 shows the operational GHG emissions associated with the Project.

Table 12
Estimated Annual Operational Greenhouse Gas Emissions

Emission Source	CO ₂	CH ₄	N ₂ O	CO ₂ E
	<i>Metric Tons per Year</i>			
Area	313.52	0.01	0.01	315.47
Energy	680.95	0.02	0.01	684.34
Mobile	4,165.18	0.21	0.00	4,170.46
Solid waste	47.55	2.81	0.00	117.80
Water supply and wastewater	322.85	1.93	0.05	385.24
Total				5,673.31
<i>Amortized construction emissions</i>				<i>262.44</i>
Operation + amortized construction total				5,935.75

Notes: CO₂ = carbon dioxide; CH₄ = methane; N₂O = nitrous oxide; CO₂E = carbon dioxide equivalent.
See Appendix A for detailed results.

As shown in Table 12, estimated annual Project-generated GHG emissions in 2023 would be approximately 5,673 MT CO₂E per year as a result of Project operations. Estimated annual Project-generated emissions in 2023 from area, energy sources, mobile, solid waste, and water/wastewater sources, and amortized Project construction emissions would be approximately 5,936 MT CO₂E per year.

As discussed in Section 5.1, Significance Criteria, the Project will be evaluated against four criteria to determine significance, two of which will be discussed here as they are quantitative. The other two significance criteria will be discussed in Section 6.2 as they relate to consistency with applicable plans.

City of Escondido's Climate Action Plan

The first approach to evaluate significance of the Project's GHG emissions is to evaluate the Project with respect to the City's E-CAP. As previously discussed, the City's E-CAP is only a certified GHG reduction plan, for the purposes of CEQA, through 2020 (14 CCR 15183.5).

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Although the Project's build-out year of 2023 post-dates the City's E-CAP, the E-CAP remains a relevant document for purposes of this EIR as it is an applicable planning document that has been adopted by the City (e.g., 14 CCR 15125(d)). Additionally, the City's E-CAP provides a useful benchmark for evaluating whether the Project is consistent with the planning framework developed by the City to achieve its AB 32-related emissions reduction objectives.

This analysis compares the Project's emissions from the build-out year to the E-CAP's significance criteria. The City's E-CAP has two levels to determine significance; first, does the Project emit more than 2,500 MT CO₂E per year; if so, then the Project must apply the E-CAP screening tables. The Project would not be determined to have a significant impact if it were to achieve at least 100 points using the screening tables.

As shown in Table 12 above, the Project upon full build-out would emit more than 2,500 MT CO₂E per year. Therefore, the Project must apply the screening tables approach. A fully completed screening table is included in Appendix B, which includes all Project design features discussed in Sections 5.2.1 and 5.2.2. In accordance with the City's Greenhouse Gas Emissions Adopted CEQA Thresholds and Screening Tables guidance for mixed use projects (City of Escondido 2013b), the Project was evaluated against the residential and commercial screening tables in accordance with the allocated square footage for each building type as a part of the whole Project. Based on building square footage, the Project is 97.7% residential and 2.3% commercial. The Project would score 103.7 points on the residential screening table and 2.5 points on the commercial/industrial screening table for a total of 106.2 points for the Project. Because the Project scored greater than 100 points on the E-CAP screening table, it would be consistent with the E-CAP and would have a less than significant impact.

City-Specific Efficiency Metric

As discussed in Section 5.1, the other quantitative significance threshold for the Project was to perform a quantitative analysis using a City-specific efficiency metric threshold for a post-2020 year (i.e., 2023). The efficiency metric calculated for 2023 (as shown in Section 5.1, Significance Criteria) is 3.15 MT/SP/year.

As discussed in Section 5.2.2, the Project is anticipated to generate 1,211 residents and 94 employees for a total service population of 1,348 persons. Using the estimated operational emissions of 5,936 MT CO₂E and service population of 1,348, the Project would have a GHG efficiency metric of 4.40 MT/SP/year. The Project's efficiency metric would exceed the significance threshold efficiency metric of 3.15 MT/SP/year. Therefore, the Project would be considered to have a potentially significant impact with respect to GHG emissions without mitigation.

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Mitigation Measure:

M-GH-1 The applicant or its designee will purchase and retire GHG offsets to reduce the Project's GHG emissions level to 3.15 MT CO₂E per service population per year, consistent with the performance standards and requirements set forth below.

- The GHG offsets shall be secured from an accredited registry that is recognized by CARB or a California air district, or from an emissions reduction credits program that is administered by CARB or a California air district.
- The GHG offsets shall represent the past reduction or sequestration of one MT CO₂E that is "not otherwise required," in accordance with CEQA Guidelines section 15126.4(c)(3).
- The GHG offsets shall be real, permanent, quantifiable, verifiable, and enforceable.
- The quantity of GHG offsets required to achieve the service population value set forth above shall be calculated in and supported by technical documentation that is submitted to the City as part of the Mitigation Monitoring and Reporting Program, using an approved methodology demonstrating the quantity of reductions is valid and sufficient.
- The applicant shall offset the Project's GHG emissions prior to receiving the 196th certificate of occupancy from the City. This represents 50% of the Project's residential build-out and thus the Project's emissions would be offset prior to completion of the Project.

Level of Significance After Mitigation

With implementation of M-GH-1, the Project would offset 1,682 MT CO₂E per year over the Project's lifetime, for a total of 50,472 MT CO₂E. The Project's GHG emissions would be reduced to a level below the significance threshold efficiency metric of 3.15 MT/SP/year, which would be consistent with the GHG emission statewide reduction goals for 2030 and 2050. Therefore, the Project would result in a less than significant impact.

6.2 Would the Project conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs?

This section discusses the Project's consistency with the City's E-CAP, SANDAG's Regional Plan, and CARB's Scoping Plan.

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Consistency with the E-CAP

As discussed in Section 6.1, the Project would be consistent with the City's E-CAP as demonstrated using the screening tables. The Project would achieve over 100 points using the screening tables, which would make it consistent with the E-CAP.

Based on the attributes of the Project (which accumulate more than 100 points under the E-CAP's screening tables) and the density of residential development proposed in comparison to the site's existing zoning, implementation of the Project would not result in development in excess of that anticipated in the E-CAP or increases in population/housing growth beyond those contemplated by SANDAG or the City. As such, the Project would not conflict with or obstruct implementation of the E-CAP, and therefore, impacts associated with consistency with the E-CAP would be less than significant.

Consistency with SANDAG's San Diego Forward: the Regional Plan

Regarding consistency with SANDAG's Regional Plan, the Project would include site design elements and Project design features developed to support the policy objectives of the RTP and SB 375. For example, the Project includes 48 acres of open space, including an integrated walking and bicycling trail system that will connect the various components of the Project as well as off-site amenities (food, coffee shops, drug stores, etc.). In addition, traffic calming measures along West Country Club Lane will enhance pedestrian experiences and widen the network of walkable routes throughout the community. The convenient availability of walking and bicycling trails and parks that are accessible for use by both nearby existing residents and new residents will serve to reduce VMT. Finally, because this Project is an infill project, it would have inherently less VMT than a project located at the outskirts of a city.

Table 13 illustrates the Project's consistency with all applicable goals and policies of *San Diego Forward: The Regional Plan* (SANDAG 2015).

Table 13
San Diego Forward: The Regional Plan Consistency Analysis

Category	Policy Objective or Strategy	Consistency Analysis
<i>The Regional Plan – Policy Objectives</i>		
Mobility Choices	Provide safe, secure, healthy, affordable, and convenient travel choices between the places where people live, work, and play.	<i>Consistent.</i> The Project incorporates smart growth and sustainable design principles in its development plan. More specifically, the Project's design and compact mixed-use setting facilitates a comprehensive, multi-modal transportation network and puts more people in areas that are more accessible to a

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Table 13
San Diego Forward: The Regional Plan Consistency Analysis

Category	Policy Objective or Strategy	Consistency Analysis
		range of transportation options, including public transit. The design and locational attributes of the Project positively emphasize particular commuting choices and convenient access to the rest of the City and the region, which will reduce the number of vehicle trips and overall VMT. Furthermore, the Specific Alignment Plan (SAP) addresses the travel choices of other local streets, as well as the rehabilitation or upgrading of facilities in older, developed areas.
Mobility Choices	Take advantage of new technologies to make the transportation system more efficient and environmentally friendly.	<i>Consistent.</i> The Project would include lane and intersection design configuration modifications where necessary, as well as installation of signalization where required per the Traffic Impact Analysis (LLG 2017). The Project would also include a walking and bicycling trail which would reduce VMT. The Project also includes 10 electric vehicle charging stations at the Village Center to support electric vehicle adoption. Additionally, the Project would not impair SANDAG's ability to employ new technologies to make travel more reliable and convenient.
Habitat and Open Space Preservation	Focus growth in areas that are already urbanized, allowing the region to set aside and restore more open space in our less developed areas.	Consistent. The Project would be located close to major urban and employment centers, including the City of Escondido. As such, the Project proposes to develop future housing opportunities in an infill location that capitalizes on existing infrastructure rather than other non-developed areas - including open space areas, sensitive habitats, or areas otherwise constrained due to topography, flooding, or other factors. The Project is also within the job-centric SR-78 corridor. One of the objectives of the Project is to ensure that new development is compatible with community-specific settings and promotes basic best practices in urban design. For that reason, the Project's open space design would consist of 48 acres of greenbelt, neighborhood parks, and walking/bicycling trails.

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Table 13
San Diego Forward: The Regional Plan Consistency Analysis

Category	Policy Objective or Strategy	Consistency Analysis
Habitat and Open Space Preservation	Protect and restore our region's urban canyons, coastlines, beaches, and water resources.	Consistent. Site planning for the Project took into account existing landforms and topography by concentrating development between and away from ridgelines. The open space includes environmental drainage channels designed to safely convey the existing water drainage of San Marcos Creek. Portions of the channels will be used to treat the stormwater runoff.
Regional Economic Prosperity	Invest in transportation projects that provide access for all communities to a variety of jobs with competitive wages.	Not Applicable. The Project would not impair the ability of SANDAG to invest in transportation projects available to all members of the Community.
Regional Economic Prosperity	Build infrastructure that makes the movement of freight in our community more efficient and environmentally friendly.	Not Applicable. The Project does not propose regional freight movement, nor would it impair SANDAG's ability to preserve and expand options for regional freight movement.
Partnerships/Collaboration	Collaborate with Native American tribes, Mexico, military bases, neighboring counties, infrastructure providers, the private sector, and local communities to design a transportation system that connects to the mega-region and national network, and works for everyone and fosters a high quality of life for all.	Not Applicable. The Project would not impair the ability of SANDAG to provide transportation choices to better connect the San Diego region with Mexico, neighboring counties, and tribal nations. Furthermore, the Project applicant has coordinated with Native American tribes and neighboring jurisdictions.
Partnerships/Collaboration	As we plan for our region, recognize the vital economic, environmental, cultural, and community linkages between the San Diego region and Baja California.	Not Applicable. The Project would not impair the ability of SANDAG to provide transportation choices to better connect the San Diego region with Mexico.
Healthy and Complete Communities	Create great places for everyone to live, work, and play.	Consistent. The Project proposes new residential and resident-serving development in an infill location that would facilitate the creation of a more livable neighborhood that integrates residents into the existing community. The Project's design and compact mixed land use setting would improve land use access, as well as the neighborhood's multi-modal transportation network. The Project's internal circulation features would provide residents the opportunity to access employment, recreational, and commercial uses via multiple modes of transportation. The Project also would encourage non-vehicular modes of transportation through the inclusion of an extensive walking/bicycling trail system within the greenbelts. Additionally, the Project was designed to

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Table 13
San Diego Forward: The Regional Plan Consistency Analysis

Category	Policy Objective or Strategy	Consistency Analysis
		promote health and sustainability by focusing on a compact pattern of development; and by offering many amenities to its residents within walking distance including local organic produce, grocery store, restaurant, health club, and swimming pool.
Healthy and Complete Communities	Connect communities through a variety of transportation choices that promote healthy lifestyles, including walking and biking.	Consistent. The Project's internal circulation features would provide residents the opportunity to access employment, recreational, and commercial uses via multiple modes of transportation. The Project also would encourage non-vehicular modes of transportation through the inclusion of an extensive walking/bicycling trail system within the greenbelts.
Environmental Stewardship	Make transportation investments that result in cleaner air, environmental protection, conservation, efficiency, and sustainable living.	Consistent. The Project would encourage non-vehicular modes of transportation through the inclusion of bike lanes and an extensive walking/bicycling trail system within the greenbelts. Additionally, the Project was designed to promote health and sustainability by focusing on a compact pattern of development. The Project includes 10 publicly accessible electric-vehicle charging stations at the Village Center.
Environmental Stewardship	Support energy programs that promote sustainability.	Consistent. The Project would include on-site renewable energy production through solar photovoltaic rooftop systems for all residential units.
<i>Sustainable Communities Strategy (SCS) – Strategies</i>		
Strategy #1	Focus housing and job growth in urbanized areas where there is existing and planned transportation infrastructure, including transit.	<i>Consistent.</i> The Project would be located close to major urban and employment centers, including the City of Escondido. The Project would redevelop an existing golf course within a developed neighborhood, providing a significant infill opportunity for the community. As such, the Project proposes to develop future housing opportunities in an infill location that capitalizes on existing infrastructure rather than other non-developed areas - including open space areas, sensitive habitats, or areas otherwise constrained due to topography, flooding, or other factors. The Project is also within the job centric SR-78 corridor.

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Table 13
San Diego Forward: The Regional Plan Consistency Analysis

Category	Policy Objective or Strategy	Consistency Analysis
Strategy #2	Protect the environment and help ensure the success of smart growth land use policies by preserving sensitive habitat, open space, cultural resources, and farmland.	<i>Consistent.</i> The Project would be located close to major urban and employment centers, including the City of Escondido. The Project's open space design would preserve 48 acres of greenbelt, parks, and walking/bicycling trails. As such, the Project proposes to develop future housing opportunities in an infill location that capitalizes on existing infrastructure rather than other non-developed areas - including open space areas, sensitive habitats, or areas otherwise constrained due to topography, flooding, or other factors. Additionally, the Project would include approximately 5.5 acres of farmland to grow organic produce on site. All cultural impacts associated with the Project will be mitigated as outlined in the Cultural Resources Study (Brian F. Smith and Associates, Inc. 2017).
Strategy #3	Invest in a transportation network that gives people transportation choices and reduces GHG emissions.	<i>Consistent.</i> The Project would encourage non-vehicular modes of transportation through the inclusion of bike lanes and an extensive walking and bicycling trail system within the greenbelts. The Project would help reduce GHG emissions from vehicles in the region compared to a non-infill project.
Strategy #4	Address the housing needs of all economic segments of the population.	With a variety of housing types and choices, the Project seeks to increase the housing supply and the mix of housing sizes, tenure, and affordability in the City. These housing types would support a range of buyers from various categories.
Strategy #5	Implement the Regional Plan through incentives and collaboration.	<i>Not Applicable.</i> The Project would not impair the ability of SANDAG to implement the RTP through incentives and collaborations.

Source: SANDAG 2015

As shown in Table 13, the Project is consistent with all applicable Regional Plan Policy Objectives or Strategies. SANDAG worked with the local jurisdictions to identify Regional Housing Needs Assessment (RHNA) allocation options that meet the four goals of housing element law (Government Code Section 65484(d)(1)-(4)) within the Regional Plan. The second of the four objectives of the SANDAG RHNA is to promote infill development and socioeconomic equity, the protection of environmental and agricultural resources, and the encouragement of efficient development patterns. Also, one of the key achievements projected

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for the Regional Plan is for nearly three-quarters of multi-family housing to be built on redevelopment or infill sites. This Project would be consistent with that goal as it is developing on an infill site and protects the environment with the planned open space and walking and bicycling trail network.

In summary, the Project's mix of land uses, including residential in conjunction with the retail, commercial, and recreation, would combine with an integrated pathway and walking/bicycling trail plan and internal streets and roads that promote a pedestrian experience for the Project's residents and visitors and facilitate non-vehicular travel, consistent with SB 375 and SANDAG's Regional Plan. As shown in Table 13, the Project would be consistent with policy objectives of SANDAG's Regional Plan. Impacts would be less than significant.

Consistency with CARB's Scoping Plan

The Scoping Plan, approved by CARB on December 12, 2008, provides a framework for actions to reduce California's GHG emissions and requires CARB and other state agencies to adopt regulations and other initiatives to reduce GHGs. As such, the Scoping Plan is not directly applicable to specific projects. Relatedly, in the Final Statement of Reasons for the Amendments to the CEQA Guidelines, the California Natural Resources Agency observed that "[t]he [Scoping Plan] may not be appropriate for use in determining the significance of individual projects because it is conceptual at this stage and relies on the future development of regulations to implement the strategies identified in the Scoping Plan" (CNRA 2009a). Under the Scoping Plan, however, there are several state regulatory measures aimed at the identification and reduction of GHG emissions. CARB and other state agencies have adopted many of the measures identified in the Scoping Plan. Most of these measures focus on area source emissions (e.g., energy usage, high-GWP GHGs in consumer products) and changes to the vehicle fleet (i.e., hybrid, electric, and more fuel-efficient vehicles) and associated fuels (e.g., LCFS), among others. The Project would comply with all applicable regulations adopted in furtherance of the Scoping Plan to the extent required by law.

The Scoping Plan recommends strategies for implementation at the statewide level to meet the goals of AB 32 and establishes an overall framework for the measures that will be adopted to reduce California's GHG emissions. Table 14 highlights measures that have been developed under the Scoping Plan and the Project's consistency with Scoping Plan measures. The table also includes measures proposed in the Draft 2017 Scoping Plan Update. To the extent that these regulations are applicable to the Project, its inhabitants, or uses, the Project would comply with all applicable regulations adopted in furtherance of the Scoping Plan.

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Table 14
Project Consistency with Scoping Plan GHG Emission Reduction Strategies

Scoping Plan Measure	Measure Number	Project Consistency
<i>Transportation Sector</i>		
Advanced Clean Cars	T-1	The Project's residents and employees would purchase vehicles in compliance with CARB vehicle standards that are in effect at the time of vehicle purchase.
1.5 million zero emission and plug-in hybrid light-duty electric vehicles by 2025 (4.2 million ZEVs by 2030)	Proposed	The Project includes 10 publicly accessible electric-vehicle charging stations at the Village Center.
Low Carbon Fuel Standard	T-2	Motor vehicles driven by the Project's residents and employees would use compliant fuels.
Low Carbon Fuel Standard (18% reduction in carbon intensity by 2030)	Proposed	Motor vehicles driven by the Project's residents and employees would use compliant fuels.
Regional Transportation-Related GHG Targets	T-3	The Project would implement traffic calming measures and encourage use of alternative forms of transportation.
Advanced Clean Transit	Proposed	This measure does not apply to the Project.
Last Mile Delivery	Proposed	This measure does not apply to the Project.
Reduction in Vehicle Miles Traveled	Proposed	By locating various amenities on the Project site, the residents would reduce their VMT compared to typical amenities located off site. Additionally, the Project is located on an infill site, which promotes compact walkable communities with an emphasis on proximity and accessibility.
Vehicle Efficiency Measures 1. Tire Pressure 2. Fuel Efficiency Tire Program 3. Low-Friction Oil 4. Solar-Reflective Automotive Paint and Window Glazing	T-4	Motor vehicles driven by the Project's employees would be encouraged to maintain proper tire pressure. The Project's employees would replace tires in compliance with CARB vehicle standards that are in effect at the time of vehicle purchase. Motor vehicles driven by the Project's employees would use low-friction oils when their vehicles are serviced. The Project's employees and residents would purchase vehicles in compliance with CARB vehicle standards that are in effect at the time of vehicle purchase.
Ship Electrification at Ports (Shore Power)	T-5	This measure does not apply to the Project.
Goods Movement Efficiency Measures 1. Port Drayage Trucks 2. Transport Refrigeration Units Cold Storage Prohibition 3. Cargo Handling Equipment, Anti-Idling, Hybrid, Electrification 4. Goods Movement Systemwide Efficiency Improvements 5. Commercial Harbor Craft Maintenance and Design Efficiency 6. Clean Ships 7. Vessel Speed Reduction	T-6	This measure does not apply to the Project.
California Sustainable Freight Action Plan	Proposed	This measure does not apply to the Project.

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Table 14
Project Consistency with Scoping Plan GHG Emission Reduction Strategies

Scoping Plan Measure	Measure Number	Project Consistency
Heavy-Duty Vehicle GHG Emission Reduction 1. Tractor-Trailer GHG Regulation 2. Heavy-Duty Greenhouse Gas Standards for New Vehicle and Engines (Phase I)	T-7	This measure does not apply to the Project.
Medium- and Heavy-Duty Vehicle Hybridization Voucher Incentive Project	T-8	This measure does not apply to the Project.
Medium and Heavy-Duty GHG Phase 2	Proposed	This measure does not apply to the Project.
High-Speed Rail	T-9	This measure does not apply to the Project.
<i>Electricity and Natural Gas Sector</i>		
Energy Efficiency Measures (Electricity)	E-1	The Project will comply with current Title 24, Part 6, of the California Code of Regulations energy efficiency standards for electrical appliances and other devices at the time of building construction.
Energy Efficiency (Natural Gas)	CR-1	The Project will comply with current Title 24, Part 6, of the California Code of Regulations energy efficiency standards for electrical appliances and other devices at the time of building construction.
Solar Water Heating (California Solar Initiative Thermal Program)	CR-2	The Project would not employ solar water heating as part of the design.
Combined Heat and Power	E-2	This measure does not apply to the Project.
Renewable Portfolios Standard (33% by 2020)	E-3	The Project would use energy supplied by SDG&E which is in compliance with the RPS.
Renewable Portfolios Standard (50% by 2050)	Proposed	The Project would use energy supplied by SDG&E which is in compliance with the RPS.
SB 1 Million Solar Roofs (California Solar Initiative, New Solar Home Partnership, Public Utility Programs) and Earlier Solar Programs	E-4	The Project would include solar roofs installations for the residential buildings and the Village Center.
<i>Water Sector</i>		
Water Use Efficiency	W-1	The Project is going to utilize water saving features and is expected to reduce water use compared to the existing golf course.
Water Recycling	W-2	Recycled water will be used for landscape and park irrigation.
Water System Energy Efficiency	W-3	This is applicable for the transmission and treatment of water, but it is not applicable for the Project.
Reuse Urban Runoff	W-4	The Project includes the development of rainwater catch basins and infiltration basins which will replenish the groundwater on site.
Renewable Energy Production	W-5	Applicable for wastewater treatment systems. Not applicable for the Project.

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Table 14
Project Consistency with Scoping Plan GHG Emission Reduction Strategies

Scoping Plan Measure	Measure Number	Project Consistency
<i>Green Buildings</i>		
1. State Green Building Initiative: Leading the Way with State Buildings (Greening New and Existing State Buildings)	GB-1	The Project would be required to be constructed in compliance with state or local green building standards in effect at the time of building construction.
2. Green Building Standards Code (Greening New Public Schools, Residential and Commercial Buildings)	GB-1	The Project's buildings would meet green building standards that are in effect at the time of design and construction.
3. Beyond Code: Voluntary Programs at the Local Level (Greening New Public Schools, Residential and Commercial Buildings)	GB-1	The Project would be required to be constructed in compliance with local green building standards in effect at the time of building construction.
4. Greening Existing Buildings (Greening Existing Homes and Commercial Buildings)	GB-1	This is applicable for existing buildings only and is not applicable.
<i>Industry Sector</i>		
Energy Efficiency and Co-Benefits Audits for Large Industrial Sources	I-1	This is not applicable to the Project.
Oil and Gas Extraction GHG Emission Reduction	I-2	This is not applicable to the Project.
Reduce GHG Emissions by 20% in Oil Refinery Sector	Proposed	This is not applicable to the Project.
GHG Emissions Reduction from Natural Gas Transmission and Distribution	I-3	This is not applicable to the Project.
Refinery Flare Recovery Process Improvements	I-4	This is not applicable to the Project.
Work with the local air districts to evaluate amendments to their existing leak detection and repair rules for industrial facilities to include methane leaks	I-5	This is not applicable to the Project.
<i>Recycling and Waste Management Sector</i>		
Landfill Methane Control Measure	RW-1	This is not applicable to the Project.
Increasing the Efficiency of Landfill Methane Capture	RW-2	This is not applicable to the Project.
Mandatory Commercial Recycling	RW-3	During both construction and operation of the Project, the Project would comply with all state regulations related to solid waste generation, storage, and disposal, including the California Integrated Waste Management Act, as amended. During construction, all wastes would be recycled to the maximum extent possible.
Increase Production and Markets for Compost and Other Organics	RW-3	This is not applicable to the Project.
Anaerobic/Aerobic Digestion	RW-3	This is not applicable to the Project.
Extended Producer Responsibility	RW-3	This is not applicable to the Project.

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Table 14
Project Consistency with Scoping Plan GHG Emission Reduction Strategies

Scoping Plan Measure	Measure Number	Project Consistency
Environmentally Preferable Purchasing	RW-3	This is not applicable to the Project.
<i>Forests Sector</i>		
Sustainable Forest Target	F-1	This is not applicable to the Project.
<i>High GWP Gases Sector</i>		
Motor Vehicle Air Conditioning Systems: Reduction of Refrigerant Emissions from Non-Professional Servicing	H-1	The Project's employees would be prohibited from performing air conditioning repairs and would be required to use professional servicing.
SF ₆ Limits in Non-Utility and Non-Semiconductor Applications	H-2	This is not applicable to the Project.
Reduction of Perfluorocarbons in Semiconductor Manufacturing	H-3	This is not applicable to the Project.
Limit High GWP Use in Consumer Products	H-4	The Project's employees and residents would use consumer products that would comply with the regulations that are in effect at the time of manufacture.
Air Conditioning Refrigerant Leak Test During Vehicle Smog Check	H-5	Motor vehicles driven by the Project's employees would comply with the leak test requirements during smog checks.
Stationary Equipment Refrigerant Management Program – Refrigerant Tracking/Reporting/Repair Program	H-6	The Project's Village Center applicable facilities will comply with this requirement.
Stationary Equipment Refrigerant Management Program – Specifications for Commercial and Industrial Refrigeration	H-6	The Project's Village Center applicable facilities will comply with this requirement.
SF ₆ Leak Reduction Gas Insulated Switchgear	H-6	This is not applicable to the Project.
40 percent reduction in methane and hydrofluorocarbon (HFC) emissions	Proposed	This is not applicable to the Project.
50 percent reduction in black carbon emissions	Proposed	This is not applicable to the Project.
<i>Agriculture Sector</i>		
Methane Capture at Large Dairies	A-1	This is not applicable to the Project.

Source: CARB 2008a and CARB 2017.

Based on the analysis in Table 14, the Project would be consistent with the applicable strategies and measures in the Scoping Plan.

In addition to the measures outlined in the table above, the Scoping Plan also highlights in several areas the goals and importance of infill projects. Specifically, the Scoping Plan calls out an ongoing and proposed measure to streamline CEQA compliance and other barriers to infill development. The plan encourages infill projects and sees them as crucial to achieving the State's long-term climate goals. The plan encourages accelerating equitable and affordable infill development through enhanced financing and policy incentives and mechanisms.

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The State will complete an Integrated Natural and Working Lands Climate Change Action Plan by 2018, which will consider aggregation of eco-regional plans and efforts to achieve net sequestration goals. The Action Plan will include goals and plans to promote and provide incentives for infill development through community revitalization and urban greening, and promote the adoption of regional transportation and development plans, such as SB 375 Sustainable Communities Strategies and Climate Action Plans that prioritize infill and compact development and also consider the climate change impacts of land use and management.

The following strategies were outlined as to expand infill development within the scoping plan:

- Encouraging regional Transfer of Development Rights programs to allow owners of natural and working lands to sell their development rights to developers who can use those rights to add additional density to development projects in preferred infill areas.
- Promoting regional Transit-Oriented Development (TOD) funds that leverage public resources with private-sector investment capital to provide flexible capital for TOD projects.
- Rebates for low-VMT/location-efficient housing, similar to programs that use rebates to encourage adoption of energy-efficient appliances, zero-emission cars, water-efficient yards, or renewable energy installation. For example, the rebate could reimburse residents for a portion of the down payment for purchasing or renting a qualified home, in exchange for a minimum term of residence.
- Promotion of cross-subsidizing multi-station financing districts along transit corridors to leverage revenues from development in strong-market station areas in order to seed needed infrastructure and development in weaker-market station areas.
- Abatement of residential property tax increases in exchange for property-based improvements in distressed infill areas.
- Ways to promote reduced parking in areas where viable transportation alternatives are present.
- Additional creative financing mechanisms to enhance the viability of priority infill projects.
- Ways to promote and strengthen Urban Growth Boundaries to promote infill development and conservation of natural and working lands by defining and limiting developable land within a metropolitan area according to projected growth needs.

In summary, the Project would be consistent with the measures and policy goals as shown in Table 14. The Project would also be consistent with the various efforts the Scoping Plan established to encourage infill development projects. Therefore, the Project would be consistent with CARB's Scoping Plan.

Finally, the SDAPCD has not adopted GHG reduction measures that would apply to the GHG emissions associated with the Project. Therefore, this impact would be less than significant.

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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.

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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 - 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
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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	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
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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
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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
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tblOffRoadEquipment	HorsePower	187.00	179.00

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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
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tblOffRoadEquipment	HorsePower	402.00	200.00
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tblOffRoadEquipment	HorsePower	402.00	775.00
tblOffRoadEquipment	HorsePower	402.00	200.00

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tbloffRoadEquipment	HorsePower	402.00	300.00
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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

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[illegible]

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
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

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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
tblTripsAndVMT	WorkerTripNumber	13.00	14.00
tblTripsAndVMT	WorkerTripNumber	25.00	26.00
tblTripsAndVMT	WorkerTripNumber	23.00	24.00
tblTripsAndVMT	WorkerTripNumber	13.00	14.00
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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	4,165.176 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
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

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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

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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.

Escondido Villages Specific Plan Project - Unmitigated - 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 - 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
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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
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	250	100
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
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tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	100
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	50
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tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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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
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[illegible]

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

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
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tblTripsAndVMT	WorkerTripNumber	20.00	30.00
tblTripsAndVMT	WorkerTripNumber	23.00	24.00
tblTripsAndVMT	WorkerTripNumber	45.00	56.00
tblTripsAndVMT	WorkerTripNumber	13.00	14.00
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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
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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
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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

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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

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

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

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

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 - Unmitigated - 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

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		1,795.600 7	1,795.600 7	0.5590		1,809.575 5
Total	1.2526	14.7449	7.5809	0.0178	1.2247	0.5814	1.8061	0.1855	0.5349	0.7204		1,795.600 7	1,795.600 7	0.5590		1,809.575 5

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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

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

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

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

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

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

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

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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	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, Summer

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

Escondido Villages Specific Plan Project - Unmitigated - 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	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

3.9 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

Escondido Villages Specific Plan Project - Unmitigated - 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 - Unmitigated - 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	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

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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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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

Escondido Villages Specific Plan Project - Unmitigated - 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		3,341.368 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

Escondido Villages Specific Plan Project - Unmitigated - 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	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

3.14 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 - Unmitigated - 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	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

3.15 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

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

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

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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	1.7163	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

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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	0.1107	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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3.17 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

Escondido Villages Specific Plan Project - Unmitigated - 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 - Unmitigated - 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	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

Escondido Villages Specific Plan Project - Unmitigated - 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 - 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

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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	0.1519	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

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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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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

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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	0.0550	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

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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	0.0184	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

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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**

Escondido Villages Specific Plan Project - Unmitigated - 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 - Unmitigated - 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 - Unmitigated - 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	8,301.1765	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

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

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.

Escondido Villages Specific Plan Project - Unmitigated - 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 - 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.

Escondido Villages Specific Plan Project - Unmitigated - 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 - 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

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

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblFireplaces	FireplaceWoodMass	3,078.40	0.00
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tblFireplaces	NumberNoFireplace	33.20	0.00
tblFireplaces	NumberWood	21.00	0.00
tblFireplaces	NumberWood	116.20	0.00
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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

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

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
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tblLandUse	LandUseSquareFeet	60,000.00	96,000.00
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Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

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

[illegible]

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

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

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tblProjectCharacteristics	CH4IntensityFactor	0.029	0.02

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

tblProjectCharacteristics	CO2IntensityFactor	720.49	500.76
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblProjectCharacteristics	OperationalYear	2018	2023
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tblTripsAndVMT	VendorTripNumber	913.00	54.00
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tblTripsAndVMT	WorkerTripNumber	20.00	26.00
tblTripsAndVMT	WorkerTripNumber	8.00	18.00
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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
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tblVehicleTrips	SU_TR	26.73	8.12
tblVehicleTrips	SU_TR	72.16	80.22
tblVehicleTrips	SU_TR	13.60	0.00
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tblVehicleTrips	SU_TR	166.44	65.12
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tblVehicleTrips	WD_TR	32.93	10.00
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Escondido Villages Specific Plan Project - Unmitigated - San Diego County APCD Air District, Winter

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

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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

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

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 - Unmitigated - 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 - Unmitigated - San Diego County APCD Air District, Winter

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

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

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

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

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 - Unmitigated - 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	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

3.3 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

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

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

Escondido Villages Specific Plan Project - Unmitigated - 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 - Unmitigated - 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	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

3.5 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 - Unmitigated - 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	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

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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	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

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

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

Escondido Villages Specific Plan Project - Unmitigated - 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	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

Escondido Villages Specific Plan Project - Unmitigated - 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 - Unmitigated - 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	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

Escondido Villages Specific Plan Project - Unmitigated - 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	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, 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 - Unmitigated - 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	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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3.17 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

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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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	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

Escondido Villages Specific Plan Project - Unmitigated - 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 - 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		1,546.896 0	1,546.896 0	0.1245		1,550.007 8
Worker	0.7564	0.5052	4.8639	0.0145	1.4951	0.0105	1.5056	0.3966	9.6700e-003	0.4062		1,439.860 2	1,439.860 2	0.0434		1,440.943 9
Total	0.9677	6.5893	6.5854	0.0289	1.8607	0.0409	1.9015	0.5018	0.0387	0.5405		2,986.756 1	2,986.756 1	0.1678		2,990.951 7

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2551	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

Escondido Villages Specific Plan Project - Unmitigated - 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

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

Escondido Villages Specific Plan Project - Unmitigated - 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 - Unmitigated - 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	1.8146	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, 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 - 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

Escondido Villages Specific Plan Project - Unmitigated - 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 - Unmitigated - 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	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

Escondido Villages Specific Plan Project - Unmitigated - 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 - Unmitigated - 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 - Unmitigated - 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 - Unmitigated - 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 - 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

Escondido Villages Specific Plan Project - Unmitigated - 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	8,301.176 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 - Unmitigated - 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

CalEEMod Emissions Including Regulatory Measures, Project Design Features, and Mitigation Measures

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

Escondido Villages Specific Plan Project
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/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, 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

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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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tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
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tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	100
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[illegible]

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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 CO ₂	CH ₄	N ₂ O	CO ₂ e
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

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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 - 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.

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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.

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

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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	130.00	173.00
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tblOffRoadEquipment	HorsePower	132.00	173.00
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tblOffRoadEquipment	HorsePower	80.00	110.00
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	110.00
tblOffRoadEquipment	HorsePower	247.00	312.00
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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
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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
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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	300.00

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tblOffRoadEquipment	HorsePower	402.00	200.00
tblOffRoadEquipment	HorsePower	402.00	200.00
tblOffRoadEquipment	HorsePower	402.00	200.00
tblOffRoadEquipment	HorsePower	402.00	775.00
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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, Summer

[illegible]

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
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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

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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

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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	58.2178	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	82,879.1409	82,879.1409	25.2000	0.0000	83,396.4130
2019	11.8963	32.6143	75.5416	0.1561	2.1999	1.3148	3.5147	0.5924	1.2415	1.8339	0.0000	15,525.9082	15,525.9082	3.7684	0.0000	15,620.1179
2020	2.2681	19.7953	23.0981	0.0590	1.8607	0.7640	2.6246	0.5018	0.7209	1.2227	0.0000	5,857.3160	5,857.3160	0.8449	0.0000	5,878.4375
2021	2.0650	17.9544	22.4260	0.0583	1.8607	0.6528	2.5134	0.5018	0.6156	1.1174	0.0000	5,791.6267	5,791.6267	0.8298	0.0000	5,812.3721
2022	101.7727	18.2922	25.1777	0.0644	2.1564	0.6765	2.8328	0.5802	0.6444	1.2246	0.0000	6,381.2707	6,381.2707	0.8509	0.0000	6,402.5439
Maximum	101.7727	167.6150	395.6094	0.8176	18.3720	2.9331	20.5509	6.3707	2.8194	8.9070	0.0000	82,879.1409	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	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

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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	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	

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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, 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

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

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

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

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		1,795.600 7	1,795.600 7	0.5590		1,809.575 5
Total	1.2526	14.7449	7.5809	0.0178	1.2247	0.5814	1.8061	0.1855	0.5349	0.7204		1,795.600 7	1,795.600 7	0.5590		1,809.575 5

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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

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

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

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

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

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

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

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

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

Escondido Villages Specific Plan Project - 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	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, Summer

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 - 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	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

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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	0.0596	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	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	0.1107	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	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

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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	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

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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	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

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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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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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3.13 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

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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	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

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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

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

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

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

Escondido Villages Specific Plan Project - 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 - 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

Escondido Villages Specific Plan Project - 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 - 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

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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 - 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

Escondido Villages Specific Plan Project - 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	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, 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 - 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	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

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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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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

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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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	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	28,987.65 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

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

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
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
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
tblOffRoadEquipment	HorsePower	132.00	173.00
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
tbloffRoadEquipment	HorsePower	367.00	600.00
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
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
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	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

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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
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	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	

Escondido Villages Specific Plan Project - 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 - 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

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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

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

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

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	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

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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

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

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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	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		3,341.368 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

Escondido Villages Specific Plan Project - 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	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

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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

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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

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

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

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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

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

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

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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	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

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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	0.2693	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		3,341.368 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	1.7658	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

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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	1.7658	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

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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	0.0673	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

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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	0.0673	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

Escondido Villages Specific Plan Project - 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	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

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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	1.1577	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

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	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	8,301.176 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, 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

APPENDIX B

Escondido E-CAP Screening Tables

Table B-1
E-CAP Screening Table for the Villages – Escondido Country Club EIR

Feature	Description	Assigned Point Values	Project Points
Reduction Measure R2 E1: Energy Efficiency for New Residential			
Building Envelope			
Insulation	Title 24 standard (required) Modestly Enhanced Insulation (5% > Title 24) Enhanced Insulation (15%> Title 24) Greatly Enhanced Insulation (20%> Title 24)	0 points 2 points 6 points 8 points	0
Windows	Title 24 standard (required) Modestly Enhanced Window Insulation (5% > Title 24) Enhanced Window Insulation (15%> Title 24) Greatly Enhanced Window Insulation (20%> Title 24)	0 points 2 points 6 points 8 points	0
Doors	Title 24 standard (required) Modestly Enhanced Insulation (5% > Title 24) Enhanced Insulation (15%> Title 24) Greatly Enhanced Insulation (20%> Title 24)	0 points 2 points 6 points 8 points	0
Air Infiltration	Minimizing leaks in the building envelope is as important as the insulation properties of the building. Insulation does not work effectively if there is excess air leakage. Title 24 standard (required) Modest Building Envelope Leakage (5% > Title 24) Reduced Building Envelope Leakage (15%> Title 24) Minimum Building Envelope Leakage (20% > Title 24)	0 points 2 points 6 points 8 points	0
Thermal Storage of Building	Thermal storage is a design characteristic that helps keep a constant temperature in the building. Common thermal storage devices include strategically placed water filled columns, water storage tanks, and thick masonry walls. Thermal storage designed to reduce heating/cooling by 5°F within the building Thermal storage to reduce heating/cooling by 10°F within the building Note: Engineering details must be provided to substantiate the efficiency of the thermal storage device.	5 points 9 points	

Table B-1
E-CAP Screening Table for the Villages – Escondido Country Club EIR

Feature	Description	Assigned Point Values	Project Points
Building Envelope Performance Standard	Alternatively, projects that have not been designed to a level of detail to know the specific attributes of the building envelope needed to utilize the points for the measures listed above can use this option instead in committing to one of the following performance standards: Modestly Enhanced building envelope (5% > Title 24) Enhanced building envelope (15%> Title 24) Greatly Enhanced building envelope (20%> Title 24)	8 points 24 points 32 points	23.5
Indoor Space Efficiencies			
Heating/ Cooling Distribution System	Title 24 standard (required) Modest Distribution Losses (5% > Title 24) Reduced Distribution Losses (15%> Title 24) Greatly Reduced Distribution Losses (15%> Title 24)	0 points 2 points 6 points 8 points	0
Space Heating/ Cooling Equipment	Title 24 standard (required) Efficiency HVAC (5% > Title 24) High Efficiency HBAC (15%> Title 24) Very High Efficiency HBAC (20%> Title 24)	0 points 2 points 6 points 8 points	0
Water Heaters	Title 24 standard (required) Efficiency Water Heater (Energy Star conventional that is 5% > Title 24) High Efficiency Water Heater (Conventional water heater that is 15%> Title 24) High Efficiency Water Heater (Conventional water heater that is 20%> Title 24) Solar Water Heating System	0 points 2 points 6 points 8 points 11 points	0
Daylighting	Daylighting is the ability of each room within the building to provide outside light during the day reducing the need for artificial lighting during daylight hours. All peripheral rooms within the living space have at least one window (required) All rooms within the living space have daylight (through use of windows, solar tubes, skylights, etc.) such that each room has at least 800 lumens of light during a sunny day All rooms daylighted to at least 1,000 lumens	0 points 2 points 4 points	0
Artificial Lighting	Title 24 standard (required) Efficient Lights (5% > Title 24) High Efficiency Lights (LED, etc. 15%> Title 24) Very High Efficiency Lights (LED, etc. 20%> Title 24)	0 points 2 points 6 points 8 points	0

Table B-1
E-CAP Screening Table for the Villages – Escondido Country Club EIR

Feature	Description	Assigned Point Values	Project Points
Appliances	Title 24 standard (required) Efficient Appliances (5% > Title 24) High Efficiency Energy Star Appliances (15%> Title 24) Very High Efficiency Appliances (20%> Title 24)	0 points 2 points 6 points 8 points	0
Indoor Space Performance Standard	Alternatively, projects that have not been designed to a level of detail to know the specific attributes of the interior design of the buildings needed to utilize the points for the features listed above can use this option instead in committing to one of the following performance standards: Modestly Enhanced Interior and appliances (5% > Title 24) Enhanced Interior and appliances (15%> Title 24) Greatly Enhanced Interior and appliances (20%> Title 24)	12 points 32 points 44 points	31.3
Miscellaneous Residential Building Efficiencies			
Building Placement	North/South alignment of building or other building placement such that the orientation of the buildings optimizes natural heating, cooling, and lighting.	3 point	
Independent Energy Efficiency Calculations	Provide point values based upon energy efficiency modeling of the project. Note that engineering data will be required documenting the energy efficiency and point values based upon the proven efficiency beyond Title 24 Energy Efficiency Standards.	TBD	
Other	This allows innovation by the applicant to provide design features that increases the energy efficiency of the project not provided in the table. Note that engineering data will be required documenting the energy efficiency of innovative designs and point values given based upon the proven efficiency beyond Title 24 Energy Efficiency Standards.	TBD	
Existing Residential Retrofits	The applicant may wish to provide energy efficiency retrofit projects to existing residential dwelling units to further the point value of their project. Retrofitting existing residential dwelling units within the City is a key reduction measure that is needed to reach the reduction goal. The potential for an applicant to take advantage of this program will be decided on a case by case basis and must have the approval of the Escondido Planning Department. The decision to allow applicants to ability to participate in this program will be evaluated based upon, but not limited to the following:	TBD	
	Will the energy efficiency retrofit project benefit low income or disadvantaged residents? Does the energy efficiency retrofit project fit within the overall assumptions in Reduction Measure R2 E3? Does the energy efficiency retrofit project provide co-benefits important to the City? Point value will be determined based upon engineering and design criteria of the energy efficiency retrofit project.		
Reduction Measure R2 E2: New Home Renewable Energy			

Table B-1
E-CAP Screening Table for the Villages – Escondido Country Club EIR

Feature	Description	Assigned Point Values	Project Points
Photovoltaic	Solar Photovoltaic panels installed on individual homes or in collective neighborhood arrangements such that the total power provided augments: Solar Ready Homes (sturdy roof and electric hookups) 10 percent of the power needs of the project 20 percent of the power needs of the project 30 percent of the power needs of the project 40 percent of the power needs of the project 50 percent of the power needs of the project 60 percent of the power needs of the project 70 percent of the power needs of the project 80 percent of the power needs of the project 90 percent of the power needs of the project 100 percent of the power needs of the project	1 point 9 points 14 points 19 points 27 points 34 points 37 points 41 points 45 points 49 points 55 points	40.1
Wind turbines	Some areas of the City lend themselves to wind turbine applications. Analysis of the area's capability to support wind turbines should be evaluated prior to choosing this feature. Individual wind turbines at homes or collective neighborhood arrangements of wind turbines such that the total power provided augments: 10 percent of the power needs of the project 20 percent of the power needs of the project 30 percent of the power needs of the project 40 percent of the power needs of the project 50 percent of the power needs of the project 60 percent of the power needs of the project 70 percent of the power needs of the project 80 percent of the power needs of the project 90 percent of the power needs of the project 100 percent of the power needs of the project	9 points 14 points 19 points 27 points 34 points 37 points 41 points 45 points 49 points 55 points	
Off-site renewable energy project	The applicant may submit a proposal to supply an off-site renewable energy project such as renewable energy retrofits of existing homes that will help implement R2 E4. These off-site renewable energy retrofit project proposals will be determined on a case by case basis and must be accompanied by a detailed plan that documents the quantity of renewable energy the proposal will generate. Point values will be determined based upon the energy generated by the proposal.	TBD	
Other Renewable Energy Generation	The applicant may have innovative designs or unique site circumstances (such as geothermal) that allow the project to generate electricity from renewable energy not provided in the table. The ability to supply other renewable energy and the point values allowed will be decided based upon engineering data documenting the ability to generate electricity.	TBD	
Reduction Measure R2 W1: Water Use Reduction Initiative			
Irrigation and Landscaping			

Table B-1
E-CAP Screening Table for the Villages – Escondido Country Club EIR

Feature	Description	Assigned Point Values	Project Points
Water Efficient Landscaping	Limit conventional turf to < 20% of each lot (required)	0 points	
	Eliminate conventional turf from landscaping	2 points	
	Eliminate turf and only provide drought tolerant plants	3 points	
	Xeroscaping that requires no irrigation (after plants are established)	5 points	
Water Efficient irrigation systems	Drip irrigation	1 point	
	Smart irrigation control systems combined with drip irrigation (demonstrate 20 reduced water use)	2 points	
Recycled Water	Graywater (purple pipe) irrigation system on site	3 points	2.9
Storm water Reuse Systems	Innovative on-site stormwater collection, filtration and reuse systems are being developed that provide supplemental irrigation water and provide vector control. These systems can greatly reduce the irrigation needs of a project. Point values for these types of systems will be determined based upon design and engineering data documenting the water savings.	TBD	
Potable Water			
Showers	Title 24 standard (required)	0 points	0
	EPA High Efficiency Showerheads (15% > Title 24)	2 points	
Toilets	Title 24 standard (required)	0 points	0
	EPA High Efficiency Toilets (15% > Title 24)	2 points	
Faucets	Title 24 standard (required)	0 points	0
	EPA High Efficiency faucets (15% > Title 24)	2 points	
Potable Water Performance Standard	Alternatively, projects that have not been designed to a level of detail to know the specific attributes of the interior design of the buildings needed to utilize the points for the features listed above can use this option instead in committing to a potable water supply performance standard: EPA High Efficiency water fixtures (15% > Title 24)	6 points	5.9

Table B-1
E-CAP Screening Table for the Villages – Escondido Country Club EIR

Feature	Description	Assigned Point Values	Project Points
Reduction Measure R2 T1: Land Use Based Trips and VMT Reduction			
Mixed Use	Mixes of land uses that complement one another in a way that reduces the need for vehicle trips can greatly reduce GHG emissions. The point value of mixed use projects will be determined based upon a Transportation Impact Analysis (TIA) demonstrating trip reductions and/or reductions in vehicle miles traveled. Suggested ranges: Diversity of land uses complementing each other (2-28 points) Increased destination accessibility other than transit (1-18 points) Increased transit accessibility (1-25 points) Infill location that reduces vehicle trips or VMT beyond the measures described above (points TBD based on traffic data).	TBD	
Residential Near Local Retail (Residential only Projects)	Having residential developments within walking and biking distance of local retail helps to reduce vehicle trips and/or vehicle miles traveled. The point value of residential projects in close proximity to local retail will be determined based upon traffic studies that demonstrate trip reductions and/or reductions in vehicle miles traveled (VMT)	TBD	
Other Trip Reduction Measures	Other trip or VMT reduction measures not listed above with TIA and/or other traffic data supporting the trip and/or VMT for the project.	TBD	
Reduction Measure R2 T3: Bicycle Master Plan Development			
Bicycle Infrastructure	Escondido's Bicycle Master Plan is extensive and describes the construction on 11.5 miles of Class I bike paths and 23 miles of Class II and Class III bikeways to build upon the current 8 miles of bikeways. Provide bicycle paths within project boundaries. Provide bicycle path linkages between residential and other land uses. Provide bicycle path linkages between residential and transit.	TBD 3 points 5 points	
Reduction Measure R2 T4: Neighborhood Electric Vehicle Plan			
Electric Vehicle Recharging	Provide circuit and capacity in garages of residential units for use by an electric vehicle. Charging stations are for on-road electric vehicles legally able to drive on all roadways including Interstate Highways and freeways. Provide connections to neighborhood electric vehicle (NEV) approved roads and bicycle lanes. NEVs are similar in size to golf carts and run entirely on electricity with maximum speeds between 30 to 60 MPH. They are not legal to drive on public roadways except when that roadway is NEV approved. NEV approved roads are those roadways with class I, class II, or class III bicycle lanes. The NEV must drive within the bicycle lane on these types of roadways.	1 point 4 points	
Total Points Earned by Residential Project:			103.7

Feature	Description	Assigned Point Values	Project Points
Reduction Measure R2 E5: Energy Efficiency for Commercial Development			
Building Envelope			
Insulation	Title 24 standard (required) Modestly Enhanced Insulation (5% > Title 24) Enhanced Insulation (15%> Title 24) Greatly Enhanced Insulation (20%> Title 24)	0 points 3 points 7 points 11 points	
Windows	Title 24 standard (required) Modestly Enhanced Window Insulation (5% > Title 24) Enhanced Window Insulation (15%> Title 24) Greatly Enhanced Window Insulation (20%> Title 24)	0 points 3 points 7 points 11 points	
Doors	Title 24 standard (required) Modestly Enhanced Insulation (5% > Title 24) Enhanced Insulation (15%> Title 24) Greatly Enhanced Insulation (20%> Title 24)	0 points 3 points 7 points 11 points	
Air Infiltration	Minimizing leaks in the building envelope is as important as the insulation properties of the building. Insulation does not work effectively if there is excess air leakage. Title 24 standard (required) Modest Building Envelope Leakage (5% > Title 24) Reduced Building Envelope Leakage (15%> Title 24) Minimum Building Envelope Leakage (20% > Title 24)	0 points 3 points 7 points 11 points	
Thermal Storage of Building	Thermal storage is a design characteristic that helps keep a constant temperature in the building. Common thermal storage devices include strategically placed water filled columns, water storage tanks, and thick masonry walls. Thermal storage designed to reduce heating/cooling by 5°F within the building Thermal storage to reduce heating/cooling by 10°F within the building Note: Engineering details must be provided to substantiate the efficiency of the thermal storage device.	5 points 11 points	
Building Envelope Performance Standard	Alternatively, projects that have not been designed to a level of detail to know the specific attributes of the building envelope needed to utilize the features listed above can use this option instead in committing to one of the following performance standards: Modestly Enhanced building envelope (5% > Title 24) Enhanced building envelope (15%> Title 24) Greatly Enhanced building envelope (20%> Title 24)	12 points 28 points 44 points	0.6

Feature	Description	Assigned Point Values	Project Points
Indoor Space Efficiencies			
Heating/ Cooling Distribution System	Title 24 standard (required) Modest Distribution Losses (5% > Title 24) Reduced Distribution Losses (15%> Title 24) Greatly Reduced Distribution Losses (15%> Title 24)	0 points 3 points 7 points 11 points	
Space Heating/ Cooling Equipment	Title 24 standard (required) Efficiency HVAC (5% > Title 24) High Efficiency HBAC (15%> Title 24) Very High Efficiency HBAC (20%> Title 24)	0 points 3 points 7 points 11 points	
Commercial Heat Recovery Systems	Heat recovery strategies employed with commercial laundry, cooking equipment, and other commercial heat sources for reuse in HVAC air intake or other appropriate heat recovery technology. Point values for these types of systems will be determined based upon design and engineering data documenting the energy savings.	TBD	
Water Heaters	Title 24 standard (required) Efficiency Water Heater (Energy Star conventional that is 5% > Title 24) High Efficiency Water Heater (Conventional water heater that is 15%> Title 24) High Efficiency Water Heater (Conventional water heater that is 20%> Title 24) Solar Water Heating System	0 points 3 points 7 points 11 points 13 points	
Daylighting	Daylighting is the ability of each room within the building to provide outside light during the day reducing the need for artificial lighting during daylight hours. All peripheral rooms within building have at least one window or skylight All rooms within building have daylight (through use of windows, solar tubes, skylights, etc.) such that each room has at least 800 lumens of light during a sunny day All rooms daylighted to at least 1,000 lumens	 1 points 4 points 6 points	
Artificial Lighting	Title 24 standard (required) Efficient Lights (5% > Title 24) High Efficiency Lights (LED, etc. 15%> Title 24) Very High Efficiency Lights (LED, etc. 20%> Title 24)	0 points 3 points 5 points 7 points	
Appliances	Title 24 standard (required) Efficient Appliances (5% > Title 24) High Efficiency Energy Star Appliances (15%> Title 24) Very High Efficiency Appliances (20%> Title 24)	0 points 3 points 7 points 11 points	

Feature	Description	Assigned Point Values	Project Points
Indoor Space Performance Standard	Alternatively, projects that have not been designed to a level of detail to know the specific attributes of the interior design of the buildings needed to utilize the points for the features listed above can use this option in committing to one of the following performance standards: Modestly Enhanced Interior and appliances (5% > Title 24) Enhanced Interior and appliances (15%> Title 24) Greatly Enhanced Interior and appliances (20%> Title 24)	16 points 37 points 50 points	0.8
Miscellaneous Commercial Building Efficiencies			
Building Placement	North/South alignment of building or other building placement such that the orientation of the buildings optimizes conditions for natural heating, cooling, and lighting.	3 point	
Other	This allows innovation by the applicant to provide design features that increases the energy efficiency of the project not provided in the table. Note that engineering data will be required documenting the energy efficiency of innovative designs and point values given based upon the proven efficiency beyond Title 24 Energy Efficiency Standards.	TBD	
Existing Commercial building Retrofits	The applicant may wish to provide energy efficiency retrofit projects to existing residential dwelling units to further the point value of their project. Retrofitting existing commercial buildings within the City is a key reduction measure that is needed to reach the reduction goal. The potential for an applicant to take advantage of this program will be decided on a case by case basis and must have the approval of the Escondido Planning Department. The decision to allow applicants to ability to participate in this program will be evaluated based upon, but not limited to the following: Will the energy efficiency retrofit project benefit low income or disadvantaged communities? Does the energy efficiency retrofit project fit within the overall assumptions in Reduction Measure R2 E7? Does the energy efficiency retrofit project provide co-benefits important to the City? Point value will be determined based upon engineering and design criteria of the energy efficiency retrofit project.	TBD	
Reduction Measure R2 E6: New Commercial/Industrial Renewable Energy			
Photovoltaic	Solar Photovoltaic panels installed on commercial buildings or in collective arrangements within a commercial development such that the total power provided augments: Solar Ready Roofs (sturdy roof and electric hookups) 10 percent of the power needs of the project 20 percent of the power needs of the project 30 percent of the power needs of the project 40 percent of the power needs of the project 50 percent of the power needs of the project 60 percent of the power needs of the project 70 percent of the power needs of the project	1 points 7 points 13 points 19 points 25 points 31 points 37 points 43 points	0.7

Feature	Description	Assigned Point Values	Project Points
	80 percent of the power needs of the project	49 points	
	90 percent of the power needs of the project	52 points	
	100 percent of the power needs of the project	57 points	
Wind turbines	Some areas of the City lend themselves to wind turbine applications. Analysis of the areas capability to support wind turbines should be evaluated prior to choosing this feature. Wind turbines as part of the commercial development such that the total power provided augments: 10 percent of the power needs of the project 20 percent of the power needs of the project 30 percent of the power needs of the project 40 percent of the power needs of the project 50 percent of the power needs of the project 60 percent of the power needs of the project 70 percent of the power needs of the project 80 percent of the power needs of the project 90 percent of the power needs of the project 100 percent of the power needs of the project	7 points 13 points 19 points 25 points 31 points 37 points 43 points 49 points 52 points 57 points	
Off-site renewable energy project	The applicant may submit a proposal to supply an off-site renewable energy project such as renewable energy retrofits of existing residential that will help implement R2 E4, or existing commercial/industrial that will help implement R2 E7. These off-site renewable energy retrofit project proposals will be determined on a case by case basis accompanied by a detailed plan documenting the quantity of renewable energy the proposal will generate. Point values will be based upon the energy generated by the proposal.	TBD	
Other Renewable Energy Generation	The applicant may have innovative designs or unique site circumstances (such as geothermal) that allow the project to generate electricity from renewable energy not provided in the table. The ability to supply other renewable energy and the point values allowed will be decided based upon engineering data documenting the ability to generate electricity.	TBD	
Reduction Measure R2 W1: Water Use Reduction Initiative			
Irrigation and Landscaping			
Water Efficient Landscaping	Limit conventional turf to < 20% of each lot (required) Eliminate conventional turf from landscaping Eliminate turf and only provide drought tolerant plants Xeroscaping that requires no irrigation (after plants are established)	0 points 2 points 3 points 5 points	
Water Efficient irrigation systems	Drip irrigation Smart irrigation control systems combined with drip irrigation (demonstrate 20 reduced water use)	1 point 4 points	
Recycled Water	Graywater (purple pipe) irrigation system on site	4 points	0.1

Feature	Description	Assigned Point Values	Project Points
Storm water Reuse Systems	Innovative on-site stormwater collection, filtration and reuse systems are being developed that provide supplemental irrigation water and provide vector control. These systems can greatly reduce the irrigation needs of a project. Point values for these types of systems will be determined based upon design and engineering data documenting the water savings.	TBD	
Potable Water			
Showers	Title 24 standard (required) EPA High Efficiency Showerheads (15% > Title 24)	0 points 3 points	
Toilets	Title 24 standard (required) EPA High Efficiency Toilets/Urinals (15% > Title 24) Waterless Urinals (note that commercial buildings having both waterless urinals and high efficiency toilets have a combined point value of 6 points)	0 points 3 points 3 points	
Faucets	Title 24 standard (required) EPA High Efficiency faucets (15% > Title 24)	0 points 3 points	
Commercial Dishwashers	Title 24 standard (required) EPA High Efficiency dishwashers (20% water savings)	0 points 3 points	
Commercial Laundry Washers	Title 24 standard (required) EPA High Efficiency laundry (15% water savings) EPA High Efficiency laundry Equipment that captures and reuses rinse water (30% water savings)	0 points 2 points 5 points	
Commercial Water Operations Program	Establish an operational program to reduce water loss from pools, water features, etc., by covering pools, adjusting fountain operational hours, and using water treatment to reduce draw down and replacement of water. Point values for these types of plans will be determined based upon design and engineering data documenting the water savings.	TBD	
Potable Water Performance Standard	Alternatively, projects that have not been designed to a level of detail to know the specific attributes design needed to utilize the points for the measures listed above can instead commit to a potable water efficiency: EPA High Efficiency water fixtures (15% > Title 24) EPA High Efficiency water fixtures and waterless urinals	14 points 17 points	0.3
Reduction Measure R2 T1: Land Use Based Trips and VMT Reduction Policies			
Mixed Use	Mixes of land uses that complement one another in a way that reduces the need for vehicle trips can greatly reduce GHG emissions. The point value of mixed use projects will be determined based upon traffic studies that demonstrate trip reductions and/or reductions in vehicle miles traveled	TBD	
Local Retail Near Residential (Commercial only Projects)	Having residential developments within walking and biking distance of local retail helps to reduce vehicle trips and/or vehicle miles traveled. The point value of residential projects in close proximity to local retail will be determined based upon traffic studies that demonstrate trip reductions and/or reductions in vehicle miles traveled	TBD	

Feature	Description	Assigned Point Values	Project Points
Reduction Measure R2 T2: Bicycle Master Plan Development			
Bicycle Infrastructure	Escondido's Bicycle Master Plan is extensive and describes the construction on 11.5 miles of Class I bike paths and 23 miles of Class II and Class III bikeways to build upon the current 8 miles of bikeways.	TBD	
	Provide bicycle paths within project boundaries.	TBD	
	Provide bicycle path linkages between project site and other land uses.	3 points	
	Provide bicycle path linkages between project site and transit.	5 points	
Reduction Measure R2 T4: Neighborhood Electric Vehicle Plan			
Electric Vehicles	Provide public charging station for use by an electric vehicle.	7 points	0.2
Total Points from Commercial/Industrial Project:			2.7
Total Points from Total Project:			106.4