

MEMORANDUM

DATE: September 25, 2019

To: Larry Deese, Housing Authority of the County of Santa Barbara

FROM: Amy Fischer, Principal
Cara Carlucci, Planner

SUBJECT: Air Quality and Greenhouse Gas Analysis for the proposed Escalante Meadows Project, Guadalupe, CA

INTRODUCTION

This Air Quality and Greenhouse Gas Analysis for the proposed Escalante Meadows Project (project) in the City of Guadalupe (City) has been prepared using methods and assumptions recommended in the Santa Barbara County Air Pollution Control District's (SBCAPCD) *Environmental Review Guidelines*.¹ This analysis includes a description of existing regulatory framework, an assessment of project construction and operation-period air quality emissions, and an assessment of greenhouse gas (GHG) emissions. Measures to reduce or eliminate significant impacts are identified, where appropriate.

PROJECT DESCRIPTION

The 8.96-acre project site is located along 11th Street in the City of Guadalupe. The project site is bound to the north by 11th Street, to the east by rural residential uses, to the south by wetland, and to the west by Mary Buren Elementary School.

The proposed project would include the phased redevelopment of 52 units of affordable apartments into 80 units of affordable apartments. During Phase 1, eight existing buildings would remain and five new apartment buildings, a community center building, and a maintenance building would be constructed. During Phase 2, the remaining five apartment buildings would be constructed. Each apartment building would include eight units for a total of 40 units. Additional amenities would include a community building for resident services along with a children's center and wellness service center available to the public. The proposed apartments would be energy efficient and handicap accessible and would include solar-ready covered parking during each phase of the

¹ Santa Barbara County Air Pollution Control District, 2015. *Environmental Review Guidelines for the Santa Barbara County Air Pollution Control District*. April 30. Website: <https://www.ourair.org/wp-content/uploads/APCDCEQAGuidelinesApr2015.pdf> (accessed September 2019).

project. Construction of Phase 1 is expected to begin December 1, 2020 and end June 1, 2022 and construction of Phase 2 is expected to begin June 2, 2022 and end August 11, 2023.

ENVIRONMENTAL SETTING

Air Quality Background

Both State and Federal governments have established health-based Ambient Air Quality Standards for six criteria air pollutants:² carbon monoxide (CO), ozone (O₃), nitrogen dioxide (NO₂), sulfur dioxide (SO₂), lead (Pb), and suspended particulate matter (PM). In addition, the State has set standards for sulfates, hydrogen sulfide, vinyl chloride and visibility-reducing particles. These standards are designed to protect the health and welfare of the populace with a reasonable margin of safety. Long-term exposure to elevated levels of criteria pollutants may result in adverse health effects. However, emission thresholds established by an air district are used to manage total regional emissions within an air basin based on the air basin's attainment status for criteria pollutants. These emission thresholds were established for individual projects that would contribute to regional emissions and pollutant concentrations and could adversely affect or delay the projected attainment target year for certain criteria pollutants.

Because of the conservative nature of the thresholds and the basin-wide context of individual project emissions, there is no direct correlation between a single project and localized air quality-related health effects. One individual project that generates emissions exceeding a threshold does not necessarily result in adverse health effects for residents in the project vicinity. This condition is especially true when the criteria pollutants exceeding thresholds are those with regional effects, such as ozone precursors like nitrogen oxides (NO_x) and reactive organic compounds (ROC).

Occupants of facilities such as schools, daycare centers, parks and playgrounds, hospitals, and nursing and convalescent homes are considered to be more sensitive than the general public to air pollutants because these population groups have increased susceptibility to respiratory disease. Persons engaged in strenuous work or exercise also have increased sensitivity to poor air quality. Residential areas are considered more sensitive to air quality conditions, compared to commercial and industrial areas, because people generally spend longer periods of time at their residences, with greater associated exposure to ambient air quality conditions. Recreational uses are also considered sensitive compared to commercial and industrial uses due to greater exposure to ambient air quality conditions associated with exercise.

Air quality monitoring stations are located throughout the nation and maintained by the local air districts and State air quality regulating agencies. Data collected at permanent monitoring stations are used by the USEPA to identify regions as "attainment" or "nonattainment" depending on whether the regions meet the requirements stated in the applicable National Air Quality Standards (NAAQS). Nonattainment areas are imposed with additional restrictions as required by the USEPA. In addition, different classifications of attainment, such as marginal, moderate, serious, severe, and

² United States Environmental Protection Agency (USEPA), 2014. Criteria pollutants are defined as those pollutants for which the Federal and State governments have established ambient air quality standards, or criteria, for outdoor concentrations in order to protect public health.

extreme, are used to classify each air basin in the State on a pollutant-by-pollutant basis. The classifications are used as a foundation to create air quality management strategies to improve air quality and comply with the NAAQS.

The California Air Resources Board (CARB) has divided California into 15 regional air basins according to topographic drainage features, geographic features, and meteorological features for the purpose of managing the air resources of the State on a regional basis. Each air district establishes significance thresholds, which are used to manage total regional and local emissions within an air basin. Significance thresholds are based on whether or not the air basin has met State and federal ambient air quality standards (AAQS) for criteria pollutants. These emission thresholds were established for individual development projects that would contribute to regional and local emissions and could adversely affect or delay the Air Basin's projected attainment target goals for nonattainment criteria pollutants.

The City of Guadalupe is within the South Central Coast Air Basin (SCCAB), which includes all of San Luis Obispo, Santa Barbara, and Ventura counties. The SCCAB is comprised of three air pollution control districts (APCDs) which are county governing authorities that have primary responsibility for controlling air pollution from stationary sources within their jurisdiction. The three APCDs within the SCCAB include: the San Luis Obispo County APCD, which consists of San Luis Obispo County; the Santa Barbara County APCD (SBCAPCD), which consists of Santa Barbara County; and the Ventura County APCD, which consists of Ventura County. The City of Guadalupe is located within Santa Barbara County and, therefore, is within the jurisdiction of the SBCAPCD.

The primary pollutants of concern in the SBCAPCD are O_3 and PM_{10} as the SBCAPCD is designated as nonattainment under State AAQS standards for these pollutants. However, in 2017 the SBCAPCD changed from nonattainment to nonattainment-transitional for O_3 due to the declining number of State 1-hour and 8-hour O_3 exceedances that have occurred in the County between 1990 and 2005.³ The SBCAPCD is either in attainment or unclassified for all other State and federal standards.⁴ The attainment statuses for each of the criteria pollutants for the SBCAPCD are listed in Table 1.

Pollutant monitoring results for the years 2016 to 2018 at the Santa Maria ambient air quality monitoring station (the closest monitoring station to the project site) indicate that air quality in the project area has generally been good, with the exception of PM. The monitoring results indicated $PM_{2.5}$ levels exceeded the federal standard once in 2018; however the federal $PM_{2.5}$ standards were not exceeded in 2016 or 2017. PM_{10} levels exceeded the State standard 16 times in 2016, 22 times in 2017, and 13 times in 2018; however the federal PM_{10} standards were not exceeded between 2016 and 2018. Both State and federal 1-hour ozone standards were not exceeded between 2016 and 2018, and the federal 8-hour ozone standards were not exceeded between 2016 and 2018 at this monitoring station. The CO , SO_2 , and NO_2 standards were also not exceeded in this area between 2016 and 2018.

³ SBCAPCD, 2016. *2016 Ozone Plan*. October.

⁴ A region is determined to be unclassified when the data collected from the air quality monitoring stations do not support a designation of attainment or nonattainment, due to lack of information, or a conclusion cannot be made with the available data.

Table 1: Santa Barbara County Attainment/Nonattainment Classification Summary

Pollutant	Averaging Time	California Standards		National Standards	
		Concentration	Attainment Status	Concentration	Attainment Status
Ozone	8 hour	0.070 ppm	Nonattainment-Transitional	0.070 ppm	Unclassifiable/Attainment
	1 hour	0.09 ppm (180 µg/m ³)	Nonattainment-Transitional	-	-
Carbon Monoxide	8 hour	9.0 ppm (10 mg/m ³)	Attainment	9.0 ppm (10 mg/m ³)	Attainment
	1 hour	20.0 ppm (23 mg/m ³)	Attainment	35.0 ppm (40 µg/m ³)	Attainment
Nitrogen Dioxide	annual average	0.030 ppm (56 µg/m ³)	Attainment	53 ppb	Unclassifiable/Attainment
	1 hour	0.18 ppm (338 µg/m ³)	Attainment	100 ppb	Unclassifiable/Attainment
Sulfur Dioxide	annual average	-	-	Revoked	-
	24 hour	0.04 ppm (105 µg/m ³)	Attainment	Revoked	-
	1 hour	0.25 ppm (655 µg/m ³)	Attainment	75 ppb	Attainment
Particulate Matter (PM ₁₀)	annual arithmetic mean	20 µg/m ³	Nonattainment	Revoked	Attainment
	24 hour	50 µg/m ³	Nonattainment	150 µg/m ³	Attainment
Particulate Matter (PM _{2.5})	annual arithmetic mean	12 µg/m ³	Unclassifiable	12.0 µg/m ³	Unclassifiable/Attainment
	24 hour	-	-	35 µg/m ³	Unclassifiable/Attainment
Sulfates	24 hour	25 µg/m ³	Attainment	-	-
Lead	calendar quarter	-	-	1.5 µg/m ³	Attainment
	30 day average	1.5 µg/m ³	Attainment	-	-
	rolling 3-month average	-	-	0.15 µg/m ³	Unclassifiable
Hydrogen Sulfide	1 hour	0.03 ppm (42 µg/m ³)	Attainment	-	-
Vinyl Chloride (chloroethene)	24 hour	0.010 ppm (26 µg/m ³)	Attainment	-	-
Visibility Reducing Particles	8 hour (1000 to 1800 PST)	-	-	-	-

Source: SBCAPCD (2019). Website: <https://www.ourair.org/air-quality-standards/>

Greenhouse Gas and Global Climate Change Background

Greenhouse gases (GHGs) are present in the atmosphere naturally, are released by natural sources, or are formed from secondary reactions taking place in the atmosphere. The gases that are widely seen as the principal contributors to human-induced global climate change are:

- Carbon dioxide (CO₂);
- Methane (CH₄);
- Nitrous oxide (N₂O);
- Hydrofluorocarbons (HFCs);
- Perfluorocarbons (PFCs); and
- Sulfur Hexafluoride (SF₆).

Over the last 200 years, humans have caused substantial quantities of GHGs to be released into the atmosphere. These extra emissions are increasing GHG concentrations in the atmosphere and enhancing the natural greenhouse effect, which is believed to be causing global warming. While manmade GHGs include naturally-occurring GHGs such as CO₂, CH₄, and N₂O, some gases, like HFCs, PFCs, and SF₆ are completely new to the atmosphere.

Certain gases, such as water vapor, are short-lived in the atmosphere. Others remain in the atmosphere for significant periods of time, contributing to climate change in the long term. Water vapor is excluded from the list of GHGs above because it is short-lived in the atmosphere and its atmospheric concentrations are largely determined by natural processes, such as oceanic evaporation.

These gases vary considerably in terms of Global Warming Potential (GWP), which is a concept developed to compare the ability of each GHG to trap heat in the atmosphere relative to another gas. The GWP is based on several factors, including the relative effectiveness of a gas to absorb infrared radiation and length of time that the gas remains in the atmosphere (“atmospheric lifetime”). The GWP of each gas is measured relative to CO₂, the most abundant GHG; the definition of GWP for a particular GHG is the ratio of heat trapped by one unit mass of the GHG to the ratio of heat trapped by one unit mass of CO₂ over a specified time period. GHG emissions are typically measured in terms of pounds or tons of “CO₂ equivalents” (CO₂e).

Regulatory Framework

Air quality and GHG standards and the regulatory framework are discussed below.

Federal Regulations

At the federal level, the USEPA has been charged with implementing national air quality programs. USEPA air quality mandates are drawn primarily from the Federal Clean Air Act (FCAA), which was enacted in 1963. The FCAA was amended in 1970, 1977, and 1990.

The United States has historically had a voluntary approach to reducing GHG emissions. However, on April 2, 2007, the United States Supreme Court ruled that the USEPA has the authority to regulate CO₂ emissions under the federal Clean Air Act. While there currently are no adopted federal regulations for the control or reduction of GHG emissions, the USEPA commenced several actions in 2009 to implement a regulatory approach to global climate change. This includes the 2009 USEPA final rule for mandatory reporting of GHGs from large GHG emission sources in the United States. Additionally, the USEPA Administrator signed an endangerment finding action in 2009 under the Clean Air Act, finding that six GHGs (CO₂, CH₄, N₂O, HFCs, PFCs, SF₆) constitute a threat to public health and welfare, and that the combined emissions from motor vehicles cause and contribute to global climate change, leading to national GHG emission standards.

California Air Resources Board

The CARB is the State's "clean air agency." The CARB's goals are to attain and maintain healthy air quality, protect the public from exposure to toxic air contaminants, and oversee compliance with air pollution rules and regulations. CARB is also the lead agency for implementing climate change regulations in the State. Since its formation, the CARB has worked with the public, the business sector, and local governments to find solutions to California's air pollution problems. Key efforts by the State are described below.

Assembly Bill 2588 Air Toxics "Hot Spots" Information and Assessment Act. Under Assembly Bill (AB) 2588, stationary sources of air pollutants are required to report the types and quantities of certain substances their facilities routinely released into the air. The goals of the Air Toxics "Hot Spots" Act are to collect emission data, identify facilities having localized impacts, determine health risks, and notify nearby residents of significant risks.

The California Air Resources Board Handbook. The CARB has developed an Air Quality and Land Use Handbook⁵ which is intended to serve as a general reference guide for evaluating and reducing air pollution impacts associated with new projects that go through the land use decision-making process. According to the CARB Handbook, recent air pollution studies have shown an association between respiratory and other non-cancer health effects and proximity to high traffic roadways. Other studies have shown that diesel exhaust and other cancer-causing chemicals emitted from cars and trucks are responsible for much of the overall cancer risk from airborne toxics in California. The CARB Handbook recommends that county and city planning agencies strongly consider proximity to these sources when finding new locations for "sensitive" land uses such as homes, medical facilities, daycare centers, schools, and playgrounds.

Land use designations with air pollution sources of concern include freeways, rail yards, ports, refineries, distribution centers, chrome plating facilities, dry cleaners, and large gasoline service stations. Key recommendations in the CARB Handbook include taking steps to avoid siting new, sensitive land uses:

- Within 500 feet of a freeway, urban roads with 100,000 vehicles/day or rural roads with 50,000 vehicles/day;

⁵ CARB. 2005. *Air Quality and Land Use Handbook: A Community Health Perspective*. April.

- Within 1,000 feet of a major service and maintenance rail yard;
- Immediately downwind of ports (in the most heavily impacted zones) and petroleum refineries;
- Within 300 feet of any dry cleaning operation (for operations with two or more machines, provide 500 feet); and
- Within 300 feet of a large gas station (defined as a facility with a throughput of 3.6 million gallons per year or greater).

The CARB Handbook specifically states that its recommendations are advisory and acknowledges land use agencies have to balance other considerations, including housing and transportation needs, economic development priorities, and other quality of life issues.

The recommendations are generalized and do not consider site-specific meteorology, freeway truck percentages, or other factors that influence risk for a particular project site. The purpose of this guidance is to further examine project sites for actual health risk associated with the location of new sensitive land uses.

Assembly Bill 32 (2006), California Global Warming Solutions Act. California's major initiative for reducing GHG emissions is Assembly Bill (AB) 32, passed by the State legislature on August 31, 2006. This effort aims at reducing GHG emissions to 1990 levels by 2020. The CARB has established the level of GHG emissions in 1990 at 427 million metric tons (MMT) CO₂e. The emissions target of 427 MMT requires the reduction of 169 MMT from the State's projected business-as-usual 2020 emissions of 596 MMT. AB 32 requires the CARB to prepare a Scoping Plan that outlines the main State strategies for meeting the 2020 deadline and to reduce GHGs that contribute to global climate change. The Scoping Plan was approved by the CARB on December 11, 2008, and contains the main strategies California will implement to achieve the reduction of approximately 169 MMT of CO₂e, or approximately 30 percent, from the State's projected 2020 emission level of 596 MMT of CO₂e under a business-as-usual scenario (this is a reduction of 42 MMT CO₂e, or almost 10 percent from 2002-2004 average emissions). The Scoping Plan also includes CARB-recommended GHG reductions for each emissions sector of the State's GHG inventory. The Scoping Plan calls for the largest reductions in GHG emissions to be achieved by implementing the following measures and standards:

- Improved emissions standards for light-duty vehicles (estimated reductions of 31.7 MMT CO₂e);
- The Low-Carbon Fuel Standard (15.0 MMT CO₂e);
- Energy efficiency measures in buildings and appliances and the widespread development of combined heat and power systems (26.3 MMT CO₂e); and
- A renewable portfolio standard for electricity production (21.3 MMT CO₂e).

The Scoping Plan identifies 18 emission reduction measures that address cap-and-trade programs, vehicle gas standards, energy efficiency, low carbon fuel standards, renewable energy, regional

transportation-related GHG targets, vehicle efficiency measures, goods movement, solar roof programs, industrial emissions, high speed rail, green building strategies, recycling, sustainable forests, water, and air. The measures would result in a total reduction of 174 MMT CO₂e by 2020.

On August 24, 2011, the CARB unanimously approved both the new supplemental assessment and reapproved its Scoping Plan, which provides the overall roadmap and rule measures to carry out AB 32. The CARB also approved a more robust CEQA equivalent document supporting the supplemental analysis of the cap-and-trade program. The cap-and-trade took effect on January 1, 2012, with an enforceable compliance obligation that began January 1, 2013.

The CARB approved the First Update to the Climate Change Scoping Plan on May 22, 2014. The First Update identifies opportunities to leverage existing and new funds to further drive GHG emission reductions through strategic planning and targeted low carbon investments. The First Update defines CARB climate change priorities until 2020, and also sets the groundwork to reach long-term goals set forth in Executive Orders S-3-05 and B-16-2012. The Update highlights California's progress toward meeting the "near-term" 2020 GHG emission reduction goals as defined in the initial Scoping Plan. It also evaluates how to align the State's "longer-term" GHG reduction strategies with other State policy priorities for water, waste, natural resources, clean energy, transportation, and land use. CARB released a second update to the Scoping Plan, the 2017 Scoping Plan,⁶ to reflect the 2030 target set by Executive Order B-30-15 and codified by Senate Bill (SB) 32.

Senate Bill 375 (2008). Signed into law on October 1, 2008, SB 375 supplements GHG reductions from new vehicle technology and fuel standards with reductions from more efficient land use patterns and improved transportation. Under the law, the CARB approved GHG reduction targets in February 2011 for California's 18 federally designated regional planning bodies, known as Metropolitan Planning Organizations (MPOs). The CARB may update the targets every 4 years and must update them every 8 years. MPOs in turn must demonstrate how their plans, policies and transportation investments meet the targets set by the CARB through Sustainable Community Strategies (SCS). The SCS are included with the Regional Transportation Plan (RTP), a report required by State law. However, if an MPO finds that their SCS will not meet the GHG reduction target, they may prepare an Alternative Planning Strategy (APS). The APS identifies the impediments to achieving the targets.

Executive Order B-30-15 (2015). Governor Jerry Brown signed Executive Order B-30-15 on April 29, 2015, which added the immediate target of:

- GHG emissions should be reduced to 40 percent below 1990 levels by 2030.

All State agencies with jurisdiction over sources of GHG emissions were directed to implement measures to achieve reductions of GHG emissions to meet the 2030 and 2050 targets. CARB was directed to update the AB 32 Scoping Plan to reflect the 2030 target, and therefore, is moving forward with the update process. The mid-term target is critical to help frame the suite of policy

⁶ California Air Resources Board. 2017. *California's 2017 Climate Change Scoping Plan*. November.

measures, regulations, planning efforts, and investments in clean technologies and infrastructure needed to continue reducing emissions.

Senate Bill 350 (2015) Clean Energy and Pollution Reduction Act. Senate Bill 350 (SB 350), signed by Governor Jerry Brown on October 7, 2015, updates and enhances AB 32 by introducing the following set of objectives in clean energy, clean air, and pollution reduction for 2030:

- Raise California's renewable portfolio standard from 33 percent to 50 percent; and
- Increasing energy efficiency in buildings by 50 percent by the year 2030.

The 50 percent renewable energy standard will be implemented by the California Public Utilities Commission for the private utilities and by the California Energy Commission for municipal utilities. Each utility must submit a procurement plan showing it will purchase clean energy to displace other non-renewable resources. The 50 percent increase in energy efficiency in buildings must be achieved through the use of existing energy efficiency retrofit funding and regulatory tools already available to State energy agencies under existing law. The addition made by this legislation requires State energy agencies to plan for, and implement those programs in a manner that achieves the energy efficiency target.

Senate Bill 32, California Global Warming Solutions Act of 2016, and Assembly Bill 197. In summer 2016 the Legislature passed, and the Governor signed, SB 32 and AB 197. SB 32 affirms the importance of addressing climate change by codifying into statute the GHG emissions reductions target of at least 40 percent below 1990 levels by 2030 contained in Governor Brown's April 2015 Executive Order B-30-15. SB 32 builds on AB 32 and keeps us on the path toward achieving the State's 2050 objective of reducing emissions to 80 percent below 1990 levels, consistent with an Intergovernmental Panel on Climate Change (IPCC) analysis of the emissions trajectory that would stabilize atmospheric GHG concentrations at 450 parts per million CO₂e and reduce the likelihood of catastrophic impacts from climate change.

The companion bill to SB 32, AB 197, provides additional direction to CARB related to the adoption of strategies to reduce GHG emissions. Additional direction in AB 197 meant to provide easier public access to air emissions data that are collected by CARB was posted in December 2016.

Senate Bill 100. On September 10, 2018, Governor Brown signed SB 100, which raises California's renewable portfolio standard requirements to 60 percent by 2030, with interim targets, and 100 percent by 2045. The bill also establishes a State policy that eligible renewable energy resources and zero-carbon resources supply 100 percent of all retail sales of electricity to California end-use customers and 100 percent of electricity procured to serve all State agencies by December 31, 2045. Under the bill, the State cannot increase carbon emissions elsewhere in the western grid or allow resource shuffling to achieve the 100 percent carbon-free electricity target.

Executive Order B-55-18. Executive Order B-55-18, signed September 10, 2018, sets a goal "to achieve carbon neutrality as soon as possible, and no later than 2045, and achieve and maintain net negative emissions thereafter." Executive Order B-55-18 directs CARB to work with relevant State agencies to ensure future Scoping Plans identify and recommend measures to achieve the carbon

neutrality goal. The goal of carbon neutrality by 2045 is in addition to other Statewide goals, meaning not only should emissions be reduced to 80 percent below 1990 levels by 2050, but that, by no later than 2045, the remaining emissions be offset by equivalent net removals of CO₂e from the atmosphere, including through sequestration in forests, soils, and other natural landscapes.

Santa Barbara County Air Pollution Control District

Under the California Clean Air Act (CCAA), the SBCAPCD is required to prepare a plan for air quality improvement for pollutants for which the District is nonattainment. The SBCAPCD updates the plan every three years. Each SBCAPCD Air Quality Attainment Plan (AQAP) is an update of the previous plan and has a 20-year horizon. The latest AQAP is the 2016 Ozone Plan, which was adopted in October 2016.⁷ Based on the region's nonattainment status for ozone, each of the SBCAPCD plan updates have included an "every feasible measure" strategy to ensure continued progress toward attainment of the state ozone standards. The 2016 Ozone Plan documents the SPCAPCD's progress toward the State 1-hour and 8-hour ozone standards.

The 2016 Ozone Plan incorporates and builds upon the prior Clean Air Plans and focuses on achieving attainment of the State ozone standards, in addition to the federal ozone standard. The 2016 Ozone Plan focuses on reducing ozone precursor emissions through implementation of transportation control measures, which would serve to reduce mobile source emissions, which are the primary source of ROC and NO_x emissions in Santa Barbara County. It emphasizes the need for updating emission reduction measures identified in the 2013 Clean Air Plan in order to achieve implementation. In addition, the 2016 Ozone Plan utilizes the Santa Barbara County Association of Governments (SBCAG) Regional Growth Forecast and CARB on-road emissions forecasts to project population growth and associated air pollutant emissions within Santa Barbara County.

When the 2016 Ozone Plan was adopted, the SBCAPCD was still designated as a nonattainment area for the State ozone standard. However, after adoption of the 2016 Ozone Plan, the SBCAPCD's designation for ozone under the CCAA changed from nonattainment to nonattainment-transitional. As a result, the SBCAPCD prepared the August 2017 Report to the District Board of Directors⁸ to examine the stationary source control measures in the 2016 Ozone Plan and determine whether changes in the control measure implementation schedule are necessary. The following actions are recommended as an interim strategy, in order to comply with this requirement:

1. Delay implementation of the NO_x control measures until 2018;
2. Shift the ROC control measures to contingency measures; and,

⁷ Santa Barbara County Air Pollution Control District, 2016. *2016 Ozone Plan*. October 20. Website: <https://www.ourair.org/wp-content/uploads/Final-2016-Ozone-Plan-Approved-October-20-2016.pdf> (accessed September 2019).

⁸ Santa Barbara County Air Pollution Control District, 2017. *Nonattainment-Transitional Designation: Changes to the 2016 Ozone Plan Control Measure Implementation Schedule. August 2017 Report to the District Board of Directors*. Website: <https://www.ourair.org/wp-content/uploads/NA-Trans-Att-B-Justif-Doc.pdf> (accessed September 2019).

3. Receive and file a preliminary cost-benefit analysis of the NO_x control measures; a complete cost-benefit analysis of the NO_x control measures will be included with the Board action to implement the measures.

In addition, SBCAPCD provides guidance for assessing and reducing the impacts of project-specific air quality emissions in the Environmental Review Guidelines.⁹ The Environmental Review Guidelines also developed a GHG threshold of 10,000 metric tons of CO₂e per year for stationary source projects, which include equipment, processes, and operations that require an SBCAPCD permit to operate. However, this threshold does not apply to land development projects. The SBCAPCD has not developed or adopted GHG significance thresholds for residential, commercial, or industrial projects.

Santa Barbara County Association of Governments

The SBCAG adopted the 2040 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS)¹⁰ in 2017 which responded to the State requirements in Senate Bill 375. The RTP/SCS aims to make land use assumptions and allocate forecast future growth consistent with those assumptions and the allocation of regional housing needs. Starting with land uses allowed by existing, adopted local General Plans, the land use assumptions, developed in close coordination with the planning staff of SBCAG's member jurisdictions, selectively provide for intensification of residential and commercial land uses in urban areas proximate to existing transit. The intent of these changes is ultimately to shorten trip distances and reduce vehicle miles traveled by (1) directly addressing regional jobs/housing imbalance by providing more housing on the jobs-rich South Coast and more jobs in bedroom communities in the North County, and (2) promoting more trips, both local and inter-city, by alternative transportation modes, especially public transit.

THRESHOLDS OF SIGNIFICANCE

The State CEQA Guidelines indicate that a project would normally have a significant adverse air quality impact if project-generated pollutant emissions would:

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

⁹ Santa Barbara County Air Pollution Control District, 2015. op. cit.

¹⁰ Santa Barbara County Association of Governments, 2017. *Fast Forward 2040 SBCAG Regional Transportation Plan and Sustainable Communities Strategy*. August 17.

According to the SBCAPCD Environmental Review Guidelines¹¹ and SBCAPCD Scope and Content of Air Quality Sections in Environmental Documents¹², a proposed project would not have a significant air quality effect on the environment, if operation of the project would:

- Emit (from all project sources, mobile and stationary) less than the daily trigger for offsets in the APCD New Source Review Rule for any pollutant (from all project sources, both stationary and mobile) less than the daily trigger for offsets or Air Quality Impact Analysis set in the APCD New Source Review Rule, for any pollutant (i.e., 240 pounds/day for ROC or NO_x; and 80 pounds per day for PM₁₀. There is no daily operational threshold for CO; it is an attainment pollutant); and
- Emit less than 25 pounds per day of NO_x or ROC from motor vehicle trips only;
- Not cause or contribute to a violation of any California or National Ambient Air Quality Standard (except ozone); and
- Be consistent with the adopted federal and State air quality plans.

The State *CEQA Guidelines* indicate that a project would normally have a significant adverse greenhouse gas emission impact if the project would:

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

The significance of GHG emissions may be evaluated based on locally adopted quantitative thresholds or consistency with a regional GHG reduction plan (such as a Climate Action Plan). The SBCAPCD has developed a GHG threshold of 10,000 metric tons of CO₂e per year for stationary projects, which include equipment, processes, and operations that require an SBCAPCD permit to operate. However, this threshold does not apply to land development projects. Neither the City of Guadalupe nor SBCAPCD has developed or adopted GHG significance thresholds for residential, commercial, or industrial projects. Therefore, this analysis evaluates the project's GHG emissions based on the San Luis Obispo Air Pollution Control District (SLOAPCD) Greenhouse Gas Thresholds, as adopted in April 2012.

As described in SLOAPCD's Greenhouse Gas Thresholds and Supporting Evidence document, the SLOAPCD's approach to developing a threshold of significance for GHG emissions was to identify the emissions level for which a project would not be expected to substantially conflict with existing California legislation adopted to reduce statewide GHG emissions.¹³ The SLOAPCD set the GHG thresholds based on AB 32 GHG emission reduction goals by attributing a fair share of the GHG

¹¹ Santa Barbara County Air Pollution Control District, 2015. op. cit.

¹² Santa Barbara County Air Pollution Control District, 2017. op. cit.

¹³ San Luis Obispo County Air Pollution Control District, 2012. *Greenhouse Gas Thresholds and Supporting Evidence*. March 28.

reductions needed from new land use development projects subject to CEQA. Therefore, as these GHG thresholds were developed based on State goals, these thresholds would be applicable to the City of Guadalupe. In addition, the SLOAPCD's GHG thresholds provide a quantitative approach and have been developed in a nearby air district in the same general region.

According to SLOAPCD GHG thresholds, a proposed project would not have a significant GHG effect on the environment, if operation of the project would:

- Be consistent with a Qualified Greenhouse Gas Reduction Plan;
- Result in operational-related greenhouse gas emissions of less than 1,500 metric tons of CO₂e per year; or
- Result in operational-related greenhouse gas emissions of less than 4.9 metric tons of CO₂e per service population (residents plus employees).

IMPACTS AND MITIGATION MEASURES

The proposed project would release emissions over the short term as a result of construction activities, and over the long term from traffic generation and operation of the project. Emissions would include criteria air pollutants and GHG emissions. The sections below describe the proposed project's consistency with applicable air quality plans, estimated project emissions, and the significance of impacts with respect to SBCAPCD and SLOAPCD thresholds.

Air Quality Impacts

Consistency with Applicable Air Quality Plans

CEQA requires that proposed projects be analyzed for consistency with the applicable air quality plan. An air quality plan describes air pollution control strategies to be implemented by a city, county, or region classified as a non-attainment area. The main purpose of the air quality plan is to bring the area into compliance with the requirements of the federal and State ambient air quality standards. As discussed above, to bring the SCCAB into attainment for O₃, the SBCAPCD has developed the 2016 Ozone Plan to satisfy Clean Air Act requirements and ensure attainment of the State ozone standard. The SBCAPCD does not have a plan to address PM₁₀ attainment.

For a project to be consistent with the SBCAPCD 2016 Ozone Plan, a project's direct and indirect emissions must be consistent with the policies in the 2016 Ozone Plan. Emissions are related to vehicle use, which are directly related to population because additional residents result in more vehicular use. Populations accounted for in the 2016 Ozone Plan and SBCAG forecasts are also accounted for in the SBCAPCD emissions inventories. The proposed project would include the phased redevelopment of 52 units of affordable apartments into 80 units of affordable apartments. The proposed project would not substantially increase population projections within the City or County and therefore, would be within growth forecast assumptions used in the 2016 Ozone Plan. Therefore, the project would be consistent with the 2016 Ozone Plan, would not conflict with or obstruct the implementation of the applicable air quality plan, and air quality impacts would be less than significant.

Criteria Pollutant Analysis

The primary pollutants of concern in the project area are O₃ and PM₁₀ as the SBCAPCD is designated as nonattainment under State AAQS standards for these pollutants. However, in 2017 the SBCAPCD changed from nonattainment to nonattainment-transitional for O₃ due to the declining number of State 1-hour and 8-hour O₃ exceedances that have occurred in the County between 1990 and 2005.¹⁴ The SBCAPCD is either in attainment or unclassified for all other State and federal standards. The SBCAPCD's nonattainment status is attributed to the region's development history. Past, present, and future development projects contribute to the region's adverse air quality impacts on a cumulative basis. By its very nature, air pollution is largely a cumulative impact. No single project is sufficient in size to, by itself, result in nonattainment of ambient air quality standards. Instead, a project's individual emissions contribute to existing cumulatively significant adverse air quality impacts. If a project's contribution to the cumulative impact is considerable, then the project's impact on air quality would be considered significant.

In developing thresholds of significance for air pollutants, the SBCAPCD considered the emission levels for which a project's individual emissions would be cumulatively considerable. If a project exceeds the identified significance thresholds, its emissions would be cumulatively considerable, resulting in significant adverse air quality impacts to the region's existing air quality conditions. Therefore, additional analysis to assess cumulative impacts is unnecessary. The following analysis assesses the potential project-level construction- and operation-related air quality impacts.

Short-Term Construction Emissions. During construction, short-term degradation of air quality may occur due to the release of particulate emissions generated by site preparation, grading, hauling, and building activities. Emissions from construction equipment are also anticipated and would include CO, NO_x, ROC, directly-emitted particulate matter (PM_{2.5} and PM₁₀), and TACs such as diesel exhaust particulate matter.

Site preparation and project construction would involve demolition, grading, paving, and building activities. Construction-related effects on air quality from the proposed project would be greatest during the site preparation phase due to the disturbance of soils. If not properly controlled, these activities would temporarily generate particulate emissions. Sources of fugitive dust would include disturbed soils at the construction site. Unless properly controlled, vehicles leaving the site would deposit dirt and mud on local streets, which could be an additional source of airborne dust after it dries. PM₁₀ emissions would vary from day to day, depending on the nature and magnitude of construction activity, local weather conditions, soil moisture, silt content of soil, and wind speed. Larger dust particles would settle near the source, while fine particles would be dispersed over greater distances from the construction site.

Although quantitative thresholds of significance are not currently in place for short-term emissions, CEQA requires that short-term impacts, such as exhaust emissions from construction equipment and fugitive dust generation during grading, be discussed in the environmental document. Therefore, the SBCAPCD recommends that construction-related NO_x, ROC, PM₁₀ and PM_{2.5} emissions, from diesel and gasoline powered equipment, paving, and other construction activities, be quantified.

¹⁴ SBCAPCD, 2016. *2016 Ozone Plan*. October.

The California Emissions Estimator Model (CalEEMod), Version 2016.3.2, was used to estimate construction emissions for the proposed project. Construction of Phase 1 is expected to begin December 1, 2020 and end June 1, 2022 and construction of Phase 2 is expected to begin June 2, 2022 and end August 11, 2023. Therefore, for purposes of this CalEEMod analysis, the construction schedule for all improvements was assumed to be approximately 32 months. Construction of the proposed project would include the demolition of the existing apartment buildings, which was included in the CalEEMod analysis. Other construction details are not yet known; therefore, default assumptions (e.g., construction fleet activities) from CalEEMod were used. CalEEMod output worksheets are attached. Results are summarized in Table 2 below.

Table 2: Project Construction Emissions (Tons Per Year)

	CO	NO _x	ROC	SO _x	PM ₁₀	PM _{2.5}
Year 2020	0.3	0.4	<0.1	<0.1	<0.1	<0.1
Year 2021	2.6	3.2	0.3	<0.1	0.6	0.3
Year 2022	2.7	2.5	0.6	<0.1	0.2	0.1
Year 2023	2.6	1.9	0.6	<0.1	0.2	0.1
Maximum Project Construction Emissions	2.6	3.2	0.6	<0.1	0.6	0.3
Total Project Construction Emissions	8.2	8.0	1.5	<0.1	1.0	0.5
SBCAPCD Significance Threshold	N/A	25.0	25.0	N/A	N/A	N/A
Exceed Threshold?	No	No	No	No	No	No

Source: LSA (September 2019).

Note:

N/A = not applicable

As shown in Table 2, construction emissions associated with the proposed project would be less than significant.

The SBCAPCD has established standard measures for reducing fugitive dust emissions (PM₁₀ and PM_{2.5}), which are required for all projects that would involve earth-moving activities. For example, the SBCAPCD requires water or other soil stabilizers be used at a project site to control dust. Using water or soil stabilizers can result in fugitive dust emissions reductions of 50 percent or more. Mitigation Measure AQ-1 would require the project contractor to implement the SBCAPCD's standard dust control measures to reduce construction fugitive dust. Therefore, with implementation of Mitigation Measure AQ-1, construction of the proposed project would have less than significant impacts associated with an air quality standard violation or a substantial contribution to an existing or projected air quality violation.

Mitigation Measure AQ-1: During construction, the project contractor shall implement the following Santa Barbara County Air Pollution Control District (SBCAPCD) standard dust control measures:

- During construction, use water trucks or sprinkler systems to keep all areas of vehicle movement damp enough to prevent dust from leaving the site. At a minimum, this should include wetting down such areas in the late morning and

after work is completed for the day. Increased watering frequency should be required whenever the wind speed exceeds 15 mph. Reclaimed water should be used whenever possible. However, reclaimed water should not be used in or around crops for human consumption.

- Minimize amount of disturbed area and reduce on site vehicle speeds to 15 miles per hour or less.
- If importation, exportation and stockpiling of fill material is involved, soil stockpiled for more than two days shall be covered, kept moist, or treated with soil binders to prevent dust generation. Trucks transporting fill material to and from the site shall be tarped from the point of origin.
- Gravel pads shall be installed at all access points to prevent tracking of mud onto public roads.
- After clearing, grading, earth moving or excavation is completed, treat the disturbed area by watering, or revegetating, or by spreading soil binders until the area is paved or otherwise developed so that dust generation will not occur.
- The contractor or builder shall designate a person or persons to monitor the dust control program and to order increased watering, as necessary, to prevent transport of dust offsite. Their duties shall include holiday and weekend periods when work may not be in progress. The name and telephone number of such persons shall be provided to the Air Pollution Control District prior to grading/building permit issuance and/or map clearance.

As shown in Table 2, construction emissions associated with the project would be less than significant with implementation of Mitigation Measures AQ-1. Therefore, construction of the proposed project would not result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in nonattainment under an applicable federal or State AAQS.

Long-Term Operational Emissions. Long-term air pollutant emission impacts are those associated with mobile sources (e.g., vehicle trips), energy sources (e.g., electricity and natural gas), and area sources (e.g., architectural coatings and the use of landscape maintenance equipment) related to the proposed project.

Long-term operation emissions associated with the proposed project were calculated using CalEEMod. For purposes of evaluating the proposed project, the County in CalEEMod was specified as Santa Barbara County - north of Santa Ynez County and the climate zone of 4 was selected. Based on this climate zone, CalEEMod assumed a wind speed of 3.1 meters per second and precipitation frequency of 37 days per year. The operational year was assumed to be 2023. The utility company for the region was selected as Pacific Gas & Electric Company (PG&E) and the CO₂ intensity was determined to be 328.8 pounds per megawatt hour based on a 5-year average estimated by PG&E.

The CalEEMod analysis assumed 80 low-rise apartment units, a 274-space parking lot, and 20,795 square feet of library uses, which was chosen as the closest representative land use type for the community building for resident services, the children's center, wellness service center, and maintenance building. As discussed in the Project Description, the proposed apartments would be energy efficient and would include solar-ready covered parking during each phase of the project, which was included in the CalEEMod analysis. In addition, trip generation rates for the project were based on the project's trip generation estimates, as identified in the Traffic and Circulation Study¹⁵, which estimates that the proposed project would generate approximately 361 net new average daily trips, with 43 trips occurring during the AM peak hour and 46 trips occurring during the PM peak hour. Where project-specific data were not available, default assumptions from CalEEMod were used to estimate project emissions.

Model results are shown in Table 3 below. Model output worksheets are attached.

Table 3: Project Operation Emissions (Pounds Per Day)

	CO	NO _x	ROC	SO _x	PM ₁₀	PM _{2.5}
Mobile Source Emissions	6.6	0.1	3.3	<0.1	<0.1	<0.1
Energy Source Emissions	0.2	0.3	<0.1	<0.1	<0.1	<0.1
Area Source Emissions	5.5	1.9	0.5	<0.1	1.4	0.4
Total Project Operation Emissions	12.3	2.2	3.8	<0.1	1.4	0.4
SBCAPCD Mobile Source Significance Threshold	N/A	25.0	25.0	N/A	N/A	N/A
Exceed Threshold?	No	No	No	No	No	No
SBCAPCD All Source Significance Threshold	N/A	240	350	N/A	80	N/A
Exceed Threshold?	No	No	No	No	No	No

Source: LSA (September 2019).

Note:

N/A = not applicable

As shown in Table 3, project-related long-term air emissions would occur primarily from vehicle trips associated with the proposed project (i.e., mobile source emissions). Project-related long-term air emissions would also occur from the use of electricity and natural gas (i.e., energy source emissions) and the use landscape equipment and from the use of consumer products (i.e., area source emissions).

PM₁₀ emissions result from exhaust produced when a vehicle is running, tire and brake wear, and the entrainment of dust into the atmosphere from vehicles traveling on paved roadways. Entrainment of PM₁₀ occurs when vehicle tires pulverize small rocks and pavement and the vehicle movement generate airborne dust. The contribution of tire and brake wear is small compared to the other sources of PM emissions. Gasoline-powered engines have small rates of particulate matter

¹⁵ Associated Transportation Engineers, 2018. *Traffic and Circulation Study for the Guadalupe Ranch Acres Project, City of Guadalupe*. July 11.

emissions compared with diesel-powered vehicles. As indicated in Table 3 above, the primary emissions generated the proposed project would be associated with mobile source emissions, however these emissions would not exceed the SBCAPCD's significance thresholds.

Energy source emissions typically result from activities in buildings for which electricity and natural gas are used. The quantity of emissions is the product of usage intensity (i.e., the amount of electricity or natural gas) and the emission factor of the fuel source. Major sources of energy demand typically include building mechanical systems, such as heating and air conditioning, lighting, and plug-in electronics, such as refrigerators or computers. Greater building or appliance efficiency reduces the amount of energy for a given activity and thus lowers the resultant emissions. As indicated in Table 3 above, the proposed project would generate minimal energy source emissions and would not exceed the SBCAPCD's significance thresholds.

Typically, area source emissions consist of direct sources of air emissions located at the project site, including architectural coatings and the use of landscape maintenance equipment. Area source emissions associated with the project would include emissions from the use of landscaping equipment and the use of consumer products. As shown in Table 3 above, the proposed project would generate minimal area source emissions and would not exceed the SBCAPCD's significance thresholds.

ROC and NO_x emissions associated with the project would be regional in nature, meaning that the air pollutants are rapidly dispersed on release or, in the case of vehicle emissions associated with the project; emissions are released in other areas of the SCCAB (i.e., vehicles traveling to the project site would release emissions along roadways throughout the SCCAB and not specifically on the project site). The results shown in Table 3 indicate the project would not exceed the significance criteria for daily NO_x, ROC, or PM₁₀ emissions. The SBCAPCD does not have significance thresholds for CO, SO_x, or PM_{2.5}, however as indicated in Table 3, the proposed project is not expected to generate substantial CO, SO_x, or PM_{2.5} emissions. Therefore, operation of the proposed project would not result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in nonattainment under an applicable federal or State AAQS.

Sensitive Receptors

Sensitive receptors are defined as people that have an increased sensitivity to air pollution or environmental contaminants. Sensitive receptor locations include schools, parks and playgrounds, day care centers, nursing homes, hospitals, and residential dwelling units. The closest sensitive receptors to the project site include the Mary Buren Elementary School located adjacent to the western border of the site, the rural residential uses located adjacent to the eastern boundary of the site, and the assisted living facility adjacent to the western border of the site.

Construction activities associated with the proposed project would generate airborne particulates and fugitive dust, as well as a small quantity of pollutants associated with the use of construction equipment (e.g., diesel-fueled vehicles and equipment) on a short-term basis. However, construction contractors would be required to implement measures to reduce or eliminate emissions by implementing Mitigation Measures AQ-1, as described above. Once the project is constructed, the project would not be a significant source of long term operational emissions.

Therefore, sensitive receptors would not be exposed to substantial pollutant concentrations during project operation, and with implementation of Mitigation Measures AQ-1, potential impacts associated with project construction would be considered less than significant.

Objectionable Odors

According to the SBCAPCD, common types of facilities that are known producers of odors include fast food restaurants, bakeries, and coffee roasting facilities. The proposed project would not include any of these types of land uses and would not include any activities or operations that would generate objectionable odors. During project construction, some odors may be present due to diesel exhaust. However, these odors would be temporary and limited to the construction period. The proposed project would not include any activities or operations that would generate objectionable odors and once operational, the project would not be a source of odors. Therefore, the proposed project would not result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

Greenhouse Gas Impacts

Generate Greenhouse Gas Emissions

The following section describes the proposed project's construction and operational related GHG emissions and contribution to global climate change. The SBCAPCD has not addressed emission thresholds for construction in their CEQA Guidelines; however, the SBCAPCD encourages quantification and disclosure. Thus, construction emissions are discussed in this section.

Construction GHG Emissions. Construction activities, such as site preparation, site grading, on-site heavy-duty construction vehicles, equipment hauling materials to and from the project site, and motor vehicles transporting the construction crew would produce combustion emissions from various sources. During construction of the proposed project, GHGs would be emitted through the operation of construction equipment and from worker and builder supply vendor vehicles, each of which typically uses fossil-based fuels to operate. The combustion of fossil-based fuels creates GHGs such as CO₂, CH₄, and N₂O. Furthermore, CH₄ is emitted during the fueling of heavy equipment. Exhaust emissions from on-site construction activities would vary daily as construction activity levels change.

Construction GHG emissions associated with the proposed project were estimated using CalEEMod. CalEEMod output worksheets are attached. Based on the CalEEMod results, construction of the proposed project would generate approximately 1,373.6 metric tons of CO₂e. Neither SBCAPCD nor SLOAPCD have a threshold of significance for construction GHG emissions; however the SLOAPCD recommends amortizing GHG emissions over the life of the project based on the total GHG emissions for construction activities divided by the project life (i.e., 50 years for residential projects and 25 years for commercial projects) then adding that number to the annual operational phase GHG emissions. Therefore, when amortized over the 50-year life of the project, annual emissions would be 27.5 metric tons of CO₂e. Construction of the proposed project would not generate GHG emissions that would have a significant impact on the environment and construction-related impacts would be less than significant.

Operational GHG Emissions. Long-term operation of the project would generate GHG emissions from mobile and area sources as well as indirect emissions from sources associated with energy consumption. Mobile-source GHG emissions would include project-generated vehicle trips to and from the project. Area-source emissions would be associated with activities such as landscaping and maintenance on the project site. Energy source emissions would be generated at off-site utility providers as a result of increased electricity demand generated by the project. Waste source emissions generated by the proposed project include energy generated by land filling and other methods of disposal related to transporting and managing project generated waste. In addition, water source emissions associated with the proposed project are generated by water supply and conveyance, water treatment, water distribution, and wastewater treatment.

Operational emissions were estimated using CalEEMod and the results are presented in Table 4. Additional calculation details are attached.

Table 4: Greenhouse Gas Operational Emissions

Emission Source	Operational GHG Emissions (metric tons/year)			
	CO ₂	CH ₄	N ₂ O	CO ₂ e
Construction Emissions				
Amortized Construction Emissions	27.3	<0.1	0.0	27.5
Operational Emissions				
Mobile Source Emissions	238.9	<0.1	0.0	239.1
Area Source Emissions	1.0	<0.1	0.0	1.0
Energy Source Emissions	129.7	<0.1	<0.1	130.6
Waste Source Emissions	11.6	0.6	0.0	26.0
Water Source Emissions	9.1	<0.1	<0.1	10.6
Total Operational CO ₂ e Emissions	407.4			
Total CO₂e Emission	434.9			
SLOAPCD Significance Threshold	1,150 MT CO₂e/year or 4.9 CO₂e/SP/year (residents + employees)			
Exceeds Threshold?	No			

Source: LSA (September 2019).

Notes:

CH₄ = methane

CO₂ = carbon dioxide

CO₂e = gross climate change emissions

GHG = greenhouse gas

MT = metric tons

SP = service population

As discussed above, neither the City of Guadalupe nor SBCAPCD has developed or adopted GHG significance thresholds for residential, commercial, or industrial projects. Therefore, this analysis evaluates the project's GHG emissions based on the SLOAPCD Greenhouse Gas Thresholds. According to the SLOAPCD, a project would have GHG emissions that are considered to be less than significant if it meets one or more of the following criteria: be consistent with a qualified GHG reduction plan, result in operational-related GHG emissions of less than 1,150 metric tons of CO₂e a year, or result in operational-related GHG emissions of less than 4.9 metric tons of CO₂e per service population (residents plus employees). The City of Guadalupe does not have a qualified GHG reduction plan. Therefore, the determination of significance is based on the emission estimates. Based on the analysis results, the project would generate approximately 434.9 metric tons of CO₂e which is well below the SLOAPCD's numeric threshold of 1,150 metric tons CO₂e. Therefore, the

project would not have a significant effect on the environment related to GHG emissions. This impact would be less than significant.

Consistency with Greenhouse Gas Reduction Plans

The City of Guadalupe has not adopted a climate action plan. In May 2015, the County of Santa Barbara adopted the Energy and Climate Action Plan (ECAP); however the ECAP applies to unincorporated areas of Santa Barbara County and not incorporated cities such as Guadalupe. Because the City of Guadalupe has not adopted a climate action plan or any other plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases, the proposed project is assessed based on its consistency with the SBCAG 2040 RTP/SCS, which is designed to help the region achieve its SB 375 GHG emissions reduction target. The SBCAG 2040 RTP/SCS demonstrates that the SBCAG region would achieve its regional emissions reduction targets for the 2020 and 2035 target years. The RTP/SCS sets forth goals and objectives related to mixed-use development and the jobs-housing balance. The RTP/SCS seeks to directly address the regional jobs/housing imbalance by providing more housing on the jobs-rich South Coast and more jobs in bedroom communities in the North County, including the City of Guadalupe, and (2) promoting more trips, both local and inter-city, by alternative transportation modes, especially public transit.

The proposed project would include the phased redevelopment of 52 units of affordable apartments into 80 units of affordable apartments. The proposed project would not substantially increase population projections within the City or County. In addition, the proposed project would include a community building for resident services along with a children's center and wellness service center available to the public which would create job opportunities within the City, which would increase the jobs-housing ratio. Although the proposed project would result in a net increase in vehicle trips, the proposed project would be located near residential, school, public, and religious uses, which would help to reduce the demand for travel by single occupancy vehicles. Therefore, the project would promote the SBCAG's initiatives to reduce vehicle trips and vehicle miles traveled and would increase the use of alternate means of transportation. Therefore, the proposed project would be consistent with the goals of the SBCAG 2040 RTP/SCS.

In addition, the proposed project was analyzed for consistency with the CARB Scoping Plan measures, including the following. The following discussion evaluates the proposed project according to the goals of AB 32, the AB 32 Scoping Plan, Executive Order B-30-15, SB 32, and AB 197.

AB 32 is aimed at reducing GHG emissions to 1990 levels by 2020. AB 32 requires the CARB to prepare a Scoping Plan that outlines the main State strategies for meeting the 2020 deadline and to reduce GHGs that contribute to global climate change. The AB 32 Scoping Plan has a range of GHG reduction actions, which include direct regulations, alternative compliance mechanisms, monetary and non-monetary incentives, voluntary actions, market-based mechanisms such as a cap-and-trade system, and an AB 32 implementation fee to fund the program.

Executive Order Executive Order B-30-15 added the immediate target of reducing GHG emissions to 40 percent below 1990 levels by 2030. CARB released a second update to the Scoping Plan, the 2017

Scoping Plan,¹⁶ to reflect the 2030 target set by Executive Order B-30-15 and codified by SB 32. SB 32 affirms the importance of addressing climate change by codifying into statute the GHG emissions reductions target of at least 40 percent below 1990 levels by 2030 contained in Executive Order B-30-15. SB 32 builds on AB 32 and keeps us on the path toward achieving the State's 2050 objective of reducing emissions to 80 percent below 1990 levels. The companion bill to SB 32, AB 197, provides additional direction to the CARB related to the adoption of strategies to reduce GHG emissions. Additional direction in AB 197 intended to provide easier public access to air emissions data that are collected by CARB was posted in December 2016.

As identified above, the AB 32 Scoping Plan contains GHG reduction measures that work towards reducing GHG emissions, consistent with the targets set by AB 32, Executive Order B-30-15 and codified by SB 32 and AB 197. The measures applicable to the proposed project include energy efficiency measures, water conservation and efficiency measures, and transportation and motor vehicle measures, as discussed below.

Energy efficient measures are intended to maximize energy efficiency building and appliance standards, pursue additional efficiency efforts including new technologies and new policy and implementation mechanisms, and pursue comparable investment in energy efficiency from all retail providers of electricity in California. In addition, these measures are designed to expand the use of green building practices to reduce the carbon footprint of California's new and existing inventory of buildings. As identified above, the proposed project would comply with the latest Title 24 standards of the California Code of Regulations, regarding energy conservation and green building standards, and would include solar-ready covered parking. Therefore, the proposed project would comply with applicable energy measures.

Water conservation and efficiency measures are intended to continue efficiency programs and use cleaner energy sources to move and treat water. Increasing the efficiency of water transport and reducing water use would reduce GHG emissions. As noted above, the project would be required to comply with the latest Title 24 standards of the California Code of Regulations, which includes a variety of different measures, including reduction of wastewater and water use. In addition, the proposed project would be required to comply with the California Model Water Efficient Landscape Ordinance. Therefore, the proposed project would not conflict with any of the water conservation and efficiency measures.

The goal of transportation and motor vehicle measures is to develop regional GHG emissions reduction targets for passenger vehicles. Specific regional emission targets for transportation emissions would not directly apply to the proposed project. However, vehicles traveling to the project site would comply with the Pavley II (LEV III) Advanced Clean Cars Program. The second phase of Pavley standards will reduce GHG emissions from new cars by 34 percent from 2016 levels by 2025, resulting in a 3 percent decrease in average vehicle emissions for all vehicles by 2020. Vehicles traveling to the project site would comply with the Pavley II (LEV III) Advanced Clean Cars Program. Therefore, the proposed project would not conflict with the identified transportation and motor vehicle measures.

¹⁶ California Air Resources Board. 2017. *California's 2017 Climate Change Scoping Plan*. November.

The proposed project would comply with existing State regulations adopted to achieve the overall GHG emissions reduction goals identified in AB 32, the AB 32 Scoping Plan, Executive Order B-30-15, SB 32, and AB 197 and would be consistent with applicable state plans and programs designed to reduce GHG emissions. Therefore, the proposed project would not conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of GHGs and impacts would be less than significant.

CONCLUSION

Based on the analysis presented above, construction of the proposed project would not result in the generation of criteria air pollutants that would exceed SBCAPCD thresholds of significance. Implementation of Mitigation Measure AQ-1 would further reduce construction dust impacts. As discussed above, the proposed project's construction emissions of criteria pollutants are estimated to be well below the emissions threshold established for the region. Operational emissions associated with the proposed project would also not exceed SBCAPCD established significance thresholds. The proposed project is not expected to produce significant emissions that would affect nearby sensitive receptors. The proposed project would also not result in objectionable odors affecting a substantial number of people. GHG emissions released during construction and operation of the project are estimated to be lower than significance thresholds, and would not be cumulatively considerable. Additionally, the proposed project would be consistent with the SBCAG's RTP/SCS and the goals of AB 32. Therefore, the project would result in less-than-significant GHG emissions.

Attachment: CalEEMod Output Sheets

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

Escalante Meadows

Santa Barbara-North of Santa Ynez County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	80.00	Dwelling Unit	6.00	102,912.00	218
Library	20.80	1000sqft	0.50	20,795.00	0
Parking Lot	274.00	Space	2.46	109,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.1	Precipitation Freq (Days)	37
Climate Zone	4			Operational Year	2023
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	328.8	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

Project Characteristics - CO2 intensity based on 5-year average (PG&E, 2015)

Land Use - The project would include a community building for resident services along with a children's center, wellness service center, and maintenance building; however Library was chosen as the closest representative land use type.

Construction Phase - Based on construction duration provided by project applicant

Demolition - The proposed project would demolish the existing apartment buildings.

Vehicle Trips - Trip generation rates based on the Traffic and Circulation Study.

Mobile Land Use Mitigation -

Area Mitigation - Assuming only natural gas hearth

Energy Mitigation - The project would be consistent with California's 2019 Building Energy Efficiency Standards, which will take effect on January 1, 2020 and the project would include solar-ready covered parking during each phase of the project.

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	262.00
tblConstructionPhase	NumDays	230.00	604.00
tblConstructionPhase	NumDays	20.00	50.00
tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	20.00	75.00
tblConstructionPhase	NumDays	10.00	25.00
tblConstructionPhase	PhaseEndDate	2/21/2022	8/11/2023
tblConstructionPhase	PhaseEndDate	12/27/2021	8/11/2023
tblConstructionPhase	PhaseEndDate	12/28/2020	2/8/2021
tblConstructionPhase	PhaseEndDate	2/8/2021	4/19/2021
tblConstructionPhase	PhaseEndDate	1/24/2022	8/11/2023
tblConstructionPhase	PhaseEndDate	1/11/2021	3/15/2021
tblConstructionPhase	PhaseStartDate	1/25/2022	8/11/2022
tblConstructionPhase	PhaseStartDate	2/9/2021	4/20/2021
tblConstructionPhase	PhaseStartDate	1/12/2021	3/16/2021

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

tblConstructionPhase	PhaseStartDate	12/28/2021	5/1/2023
tblConstructionPhase	PhaseStartDate	12/29/2020	2/9/2021
tblGrading	AcresOfGrading	12.50	10.00
tblLandUse	LandUseSquareFeet	80,000.00	102,912.00
tblLandUse	LandUseSquareFeet	20,800.00	20,795.00
tblLandUse	LotAcreage	5.00	6.00
tblLandUse	LotAcreage	0.48	0.50
tblLandUse	LotAcreage	2.47	2.46
tblProjectCharacteristics	CO2IntensityFactor	641.35	328.8
tblVehicleTrips	ST_TR	7.16	4.51
tblVehicleTrips	ST_TR	46.55	0.00
tblVehicleTrips	SU_TR	6.07	4.51
tblVehicleTrips	SU_TR	25.49	0.00
tblVehicleTrips	WD_TR	6.59	4.51
tblVehicleTrips	WD_TR	56.24	0.00

2.0 Emissions Summary

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

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					
2020	0.0393	0.4060	0.2612	5.2000e-004	0.0208	0.0192	0.0400	3.5500e-003	0.0178	0.0214	0.0000	46.0352	46.0352	0.0116	0.0000	46.3258
2021	0.3372	3.1763	2.6163	5.1500e-003	0.4127	0.1506	0.5633	0.1924	0.1405	0.3329	0.0000	457.4586	457.4586	0.0956	0.0000	459.8481
2022	0.5530	2.5120	2.6501	5.3700e-003	0.1195	0.1110	0.2305	0.0323	0.1047	0.1369	0.0000	477.4152	477.4152	0.0821	0.0000	479.4676
2023	0.6342	1.8513	2.2611	4.3600e-003	0.0836	0.0815	0.1651	0.0225	0.0766	0.0992	0.0000	386.0769	386.0769	0.0751	0.0000	387.9542
Maximum	0.6342	3.1763	2.6501	5.3700e-003	0.4127	0.1506	0.5633	0.1924	0.1405	0.3329	0.0000	477.4152	477.4152	0.0956	0.0000	479.4676

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

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					
2020	0.0393	0.4060	0.2612	5.2000e-004	0.0208	0.0192	0.0400	3.5500e-003	0.0178	0.0214	0.0000	46.0351	46.0351	0.0116	0.0000	46.3257
2021	0.3372	3.1763	2.6163	5.1500e-003	0.4127	0.1506	0.5633	0.1924	0.1405	0.3329	0.0000	457.4582	457.4582	0.0956	0.0000	459.8477
2022	0.5530	2.5120	2.6501	5.3700e-003	0.1195	0.1110	0.2305	0.0323	0.1047	0.1369	0.0000	477.4148	477.4148	0.0821	0.0000	479.4672
2023	0.6342	1.8513	2.2611	4.3600e-003	0.0836	0.0815	0.1651	0.0225	0.0766	0.0992	0.0000	386.0765	386.0765	0.0751	0.0000	387.9539
Maximum	0.6342	3.1763	2.6501	5.3700e-003	0.4127	0.1506	0.5633	0.1924	0.1405	0.3329	0.0000	477.4148	477.4148	0.0956	0.0000	479.4672

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	12-1-2020	2-28-2021	1.2561	1.2561
2	3-1-2021	5-31-2021	0.9224	0.9224
3	6-1-2021	8-31-2021	0.7562	0.7562
4	9-1-2021	11-30-2021	0.7495	0.7495
5	12-1-2021	2-28-2022	0.6951	0.6951
6	3-1-2022	5-31-2022	0.6839	0.6839
7	6-1-2022	8-31-2022	0.7351	0.7351
8	9-1-2022	11-30-2022	0.9023	0.9023

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

9	12-1-2022	2-28-2023	0.8502	0.8502
10	3-1-2023	5-31-2023	0.9704	0.9704
11	6-1-2023	8-31-2023	0.9527	0.9527
		Highest	1.2561	1.2561

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5765	6.8700e-003	0.5969	3.0000e-005		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003	0.0000	0.9756	0.9756	9.5000e-004	0.0000	0.9992
Energy	7.3600e-003	0.0645	0.0386	4.0000e-004		5.0800e-003	5.0800e-003		5.0800e-003	5.0800e-003	0.0000	156.0392	156.0392	8.7400e-003	2.8500e-003	157.1080
Mobile	0.0975	0.3447	0.9872	2.6700e-003	0.2536	2.3400e-003	0.2560	0.0681	2.1900e-003	0.0703	0.0000	246.1148	246.1148	0.0119	0.0000	246.4131
Waste						0.0000	0.0000		0.0000	0.0000	11.6208	0.0000	11.6208	0.5762	0.0000	26.0269
Water						0.0000	0.0000		0.0000	0.0000	2.0744	6.9782	9.0526	7.7600e-003	4.6400e-003	10.6287
Total	0.6814	0.4161	1.6227	3.1000e-003	0.2536	0.0107	0.2643	0.0681	0.0106	0.0787	13.6952	410.1078	423.8030	0.6056	7.4900e-003	441.1759

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5765	6.8700e-003	0.5969	3.0000e-005		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003	0.0000	0.9756	0.9756	9.5000e-004	0.0000	0.9992
Energy	5.7800e-003	0.0507	0.0302	3.2000e-004		4.0000e-003	4.0000e-003		4.0000e-003	4.0000e-003	0.0000	129.7164	129.7164	7.4900e-003	2.3700e-003	130.6105
Mobile	0.0966	0.3391	0.9665	2.5900e-003	0.2455	2.2800e-003	0.2478	0.0659	2.1300e-003	0.0681	0.0000	238.8554	238.8554	0.0117	0.0000	239.1468
Waste						0.0000	0.0000		0.0000	0.0000	11.6208	0.0000	11.6208	0.5762	0.0000	26.0269
Water						0.0000	0.0000		0.0000	0.0000	2.0744	6.9782	9.0526	7.7600e-003	4.6400e-003	10.6287
Total	0.6789	0.3966	1.5936	2.9400e-003	0.2455	9.5800e-003	0.2551	0.0659	9.4300e-003	0.0754	13.6952	376.5256	390.2208	0.6041	7.0100e-003	407.4122

	ROG	NOx	CO	SO2	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	0.36	4.68	1.79	5.16	3.20	10.63	3.50	3.20	10.79	4.22	0.00	8.19	7.92	0.25	6.41	7.65

3.0 Construction Detail**Construction Phase**

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/1/2020	2/8/2021	5	50	
2	Site Preparation	Site Preparation	2/9/2021	3/15/2021	5	25	
3	Grading	Grading	3/16/2021	4/19/2021	5	25	
4	Building Construction	Building Construction	4/20/2021	8/11/2023	5	604	
5	Architectural Coating	Architectural Coating	8/11/2022	8/11/2023	5	262	
6	Paving	Paving	5/1/2023	8/11/2023	5	75	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 2.46

Residential Indoor: 208,397; Residential Outdoor: 69,466; Non-Residential Indoor: 31,193; Non-Residential Outdoor: 10,398; Striped Parking Area: 6,576 (Architectural Coating – sqft)

OffRoad Equipment

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

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

Trips and VMT

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	337.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	112.00	30.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	22.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction**3.2 Demolition - 2020****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0173	0.0000	0.0173	2.6100e-003	0.0000	2.6100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0381	0.3818	0.2502	4.5000e-004		0.0191	0.0191		0.0177	0.0177	0.0000	39.0984	39.0984	0.0110	0.0000	39.3743
Total	0.0381	0.3818	0.2502	4.5000e-004	0.0173	0.0191	0.0363	2.6100e-003	0.0177	0.0203	0.0000	39.0984	39.0984	0.0110	0.0000	39.3743

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

3.2 Demolition - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.4000e-004	0.0237	6.9000e-003	6.0000e-005	2.4900e-003	1.0000e-004	2.5900e-003	6.5000e-004	9.0000e-005	7.4000e-004	0.0000	6.0666	6.0666	5.6000e-004	0.0000	6.0806
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.5000e-004	4.7000e-004	4.0900e-003	1.0000e-005	1.0700e-003	1.0000e-005	1.0700e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	0.8702	0.8702	3.0000e-005	0.0000	0.8709
Total	1.1900e-003	0.0242	0.0110	7.0000e-005	3.5600e-003	1.1000e-004	3.6600e-003	9.3000e-004	1.0000e-004	1.0300e-003	0.0000	6.9368	6.9368	5.9000e-004	0.0000	6.9515

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0173	0.0000	0.0173	2.6100e-003	0.0000	2.6100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0381	0.3818	0.2502	4.5000e-004		0.0191	0.0191		0.0177	0.0177	0.0000	39.0984	39.0984	0.0110	0.0000	39.3743
Total	0.0381	0.3818	0.2502	4.5000e-004	0.0173	0.0191	0.0363	2.6100e-003	0.0177	0.0203	0.0000	39.0984	39.0984	0.0110	0.0000	39.3743

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

3.2 Demolition - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.4000e-004	0.0237	6.9000e-003	6.0000e-005	2.4900e-003	1.0000e-004	2.5900e-003	6.5000e-004	9.0000e-005	7.4000e-004	0.0000	6.0666	6.0666	5.6000e-004	0.0000	6.0806
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.5000e-004	4.7000e-004	4.0900e-003	1.0000e-005	1.0700e-003	1.0000e-005	1.0700e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	0.8702	0.8702	3.0000e-005	0.0000	0.8709
Total	1.1900e-003	0.0242	0.0110	7.0000e-005	3.5600e-003	1.1000e-004	3.6600e-003	9.3000e-004	1.0000e-004	1.0300e-003	0.0000	6.9368	6.9368	5.9000e-004	0.0000	6.9515

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0203	0.0000	0.0203	3.0700e-003	0.0000	3.0700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0427	0.4245	0.2911	5.2000e-004		0.0209	0.0209		0.0195	0.0195	0.0000	45.9011	45.9011	0.0129	0.0000	46.2240
Total	0.0427	0.4245	0.2911	5.2000e-004	0.0203	0.0209	0.0412	3.0700e-003	0.0195	0.0225	0.0000	45.9011	45.9011	0.0129	0.0000	46.2240

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.0000e-004	0.0256	7.7500e-003	7.0000e-005	2.5500e-003	1.0000e-004	2.6500e-003	6.7000e-004	9.0000e-005	7.6000e-004	0.0000	7.0326	7.0326	6.8000e-004	0.0000	7.0495
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-004	4.9000e-004	4.3500e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.9868	0.9868	3.0000e-005	0.0000	0.9876
Total	1.3000e-003	0.0261	0.0121	8.0000e-005	3.8000e-003	1.1000e-004	3.9100e-003	1.0000e-003	1.0000e-004	1.1000e-003	0.0000	8.0194	8.0194	7.1000e-004	0.0000	8.0370

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0203	0.0000	0.0203	3.0700e-003	0.0000	3.0700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0427	0.4245	0.2911	5.2000e-004		0.0209	0.0209		0.0195	0.0195	0.0000	45.9010	45.9010	0.0129	0.0000	46.2240
Total	0.0427	0.4245	0.2911	5.2000e-004	0.0203	0.0209	0.0412	3.0700e-003	0.0195	0.0225	0.0000	45.9010	45.9010	0.0129	0.0000	46.2240

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.0000e-004	0.0256	7.7500e-003	7.0000e-005	2.5500e-003	1.0000e-004	2.6500e-003	6.7000e-004	9.0000e-005	7.6000e-004	0.0000	7.0326	7.0326	6.8000e-004	0.0000	7.0495
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-004	4.9000e-004	4.3500e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.9868	0.9868	3.0000e-005	0.0000	0.9876
Total	1.3000e-003	0.0261	0.0121	8.0000e-005	3.8000e-003	1.1000e-004	3.9100e-003	1.0000e-003	1.0000e-004	1.1000e-003	0.0000	8.0194	8.0194	7.1000e-004	0.0000	8.0370

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2258	0.0000	0.2258	0.1241	0.0000	0.1241	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0486	0.5062	0.2644	4.8000e-004		0.0256	0.0256		0.0235	0.0235	0.0000	41.7947	41.7947	0.0135	0.0000	42.1326
Total	0.0486	0.5062	0.2644	4.8000e-004	0.2258	0.0256	0.2514	0.1241	0.0235	0.1476	0.0000	41.7947	41.7947	0.0135	0.0000	42.1326

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	6.7000e-004	5.4000e-004	4.8300e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.0964	1.0964	3.0000e-005	0.0000	1.0973
Total	6.7000e-004	5.4000e-004	4.8300e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.0964	1.0964	3.0000e-005	0.0000	1.0973

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.2258	0.0000	0.2258	0.1241	0.0000	0.1241	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0486	0.5062	0.2644	4.8000e-004		0.0256	0.0256		0.0235	0.0235	0.0000	41.7946	41.7946	0.0135	0.0000	42.1325
Total	0.0486	0.5062	0.2644	4.8000e-004	0.2258	0.0256	0.2514	0.1241	0.0235	0.1476	0.0000	41.7946	41.7946	0.0135	0.0000	42.1325

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	6.7000e-004	5.4000e-004	4.8300e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.0964	1.0964	3.0000e-005	0.0000	1.0973
Total	6.7000e-004	5.4000e-004	4.8300e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.0964	1.0964	3.0000e-005	0.0000	1.0973

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0806	0.0000	0.0806	0.0420	0.0000	0.0420	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0286	0.3092	0.1982	3.7000e-004		0.0145	0.0145		0.0133	0.0133	0.0000	32.5671	32.5671	0.0105	0.0000	32.8304
Total	0.0286	0.3092	0.1982	3.7000e-004	0.0806	0.0145	0.0951	0.0420	0.0133	0.0553	0.0000	32.5671	32.5671	0.0105	0.0000	32.8304

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	5.6000e-004	4.5000e-004	4.0300e-003	1.0000e-005	1.1600e-003	1.0000e-005	1.1700e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9137	0.9137	3.0000e-005	0.0000	0.9144
Total	5.6000e-004	4.5000e-004	4.0300e-003	1.0000e-005	1.1600e-003	1.0000e-005	1.1700e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9137	0.9137	3.0000e-005	0.0000	0.9144

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0806	0.0000	0.0806	0.0420	0.0000	0.0420	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0286	0.3092	0.1982	3.7000e-004		0.0145	0.0145		0.0133	0.0133	0.0000	32.5671	32.5671	0.0105	0.0000	32.8304
Total	0.0286	0.3092	0.1982	3.7000e-004	0.0806	0.0145	0.0951	0.0420	0.0133	0.0553	0.0000	32.5671	32.5671	0.0105	0.0000	32.8304

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	5.6000e-004	4.5000e-004	4.0300e-003	1.0000e-005	1.1600e-003	1.0000e-005	1.1700e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9137	0.9137	3.0000e-005	0.0000	0.9144
Total	5.6000e-004	4.5000e-004	4.0300e-003	1.0000e-005	1.1600e-003	1.0000e-005	1.1700e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9137	0.9137	3.0000e-005	0.0000	0.9144

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1749	1.6038	1.5249	2.4800e-003		0.0882	0.0882		0.0829	0.0829	0.0000	213.1063	213.1063	0.0514	0.0000	214.3916
Total	0.1749	1.6038	1.5249	2.4800e-003		0.0882	0.0882		0.0829	0.0829	0.0000	213.1063	213.1063	0.0514	0.0000	214.3916

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.1700e-003	0.2808	0.0954	6.5000e-004	0.0161	8.3000e-004	0.0169	4.6300e-003	8.0000e-004	5.4300e-003	0.0000	63.8478	63.8478	4.8600e-003	0.0000	63.9692
Worker	0.0307	0.0249	0.2213	5.6000e-004	0.0636	4.0000e-004	0.0640	0.0169	3.7000e-004	0.0173	0.0000	50.2122	50.2122	1.5700e-003	0.0000	50.2514
Total	0.0398	0.3057	0.3166	1.2100e-003	0.0797	1.2300e-003	0.0809	0.0215	1.1700e-003	0.0227	0.0000	114.0599	114.0599	6.4300e-003	0.0000	114.2207

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1749	1.6038	1.5249	2.4800e-003		0.0882	0.0882		0.0829	0.0829	0.0000	213.1060	213.1060	0.0514	0.0000	214.3914
Total	0.1749	1.6038	1.5249	2.4800e-003		0.0882	0.0882		0.0829	0.0829	0.0000	213.1060	213.1060	0.0514	0.0000	214.3914

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.1700e-003	0.2808	0.0954	6.5000e-004	0.0161	8.3000e-004	0.0169	4.6300e-003	8.0000e-004	5.4300e-003	0.0000	63.8478	63.8478	4.8600e-003	0.0000	63.9692
Worker	0.0307	0.0249	0.2213	5.6000e-004	0.0636	4.0000e-004	0.0640	0.0169	3.7000e-004	0.0173	0.0000	50.2122	50.2122	1.5700e-003	0.0000	50.2514
Total	0.0398	0.3057	0.3166	1.2100e-003	0.0797	1.2300e-003	0.0809	0.0215	1.1700e-003	0.0227	0.0000	114.0599	114.0599	6.4300e-003	0.0000	114.2207

3.5 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	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2428	301.2428	0.0722	0.0000	303.0471
Total	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2428	301.2428	0.0722	0.0000	303.0471

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

3.5 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	0.0119	0.3763	0.1241	9.0000e-004	0.0227	1.0300e-003	0.0237	6.5400e-003	9.9000e-004	7.5300e-003	0.0000	89.4566	89.4566	6.9600e-003	0.0000	89.6305
Worker	0.0404	0.0314	0.2844	7.6000e-004	0.0899	5.5000e-004	0.0905	0.0239	5.1000e-004	0.0244	0.0000	68.4215	68.4215	1.9700e-003	0.0000	68.4709
Total	0.0523	0.4078	0.4085	1.6600e-003	0.1126	1.5800e-003	0.1142	0.0304	1.5000e-003	0.0319	0.0000	157.8782	157.8782	8.9300e-003	0.0000	158.1014

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2425	301.2425	0.0722	0.0000	303.0467
Total	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2425	301.2425	0.0722	0.0000	303.0467

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

3.5 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	0.0119	0.3763	0.1241	9.0000e-004	0.0227	1.0300e-003	0.0237	6.5400e-003	9.9000e-004	7.5300e-003	0.0000	89.4566	89.4566	6.9600e-003	0.0000	89.6305
Worker	0.0404	0.0314	0.2844	7.6000e-004	0.0899	5.5000e-004	0.0905	0.0239	5.1000e-004	0.0244	0.0000	68.4215	68.4215	1.9700e-003	0.0000	68.4709
Total	0.0523	0.4078	0.4085	1.6600e-003	0.1126	1.5800e-003	0.1142	0.0304	1.5000e-003	0.0319	0.0000	157.8782	157.8782	8.9300e-003	0.0000	158.1014

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1258	1.1508	1.2995	2.1600e-003		0.0560	0.0560		0.0527	0.0527	0.0000	185.4438	185.4438	0.0441	0.0000	186.5467
Total	0.1258	1.1508	1.2995	2.1600e-003		0.0560	0.0560		0.0527	0.0527	0.0000	185.4438	185.4438	0.0441	0.0000	186.5467

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.7100e-003	0.1923	0.0688	5.4000e-004	0.0140	3.1000e-004	0.0143	4.0300e-003	2.9000e-004	4.3200e-003	0.0000	54.0679	54.0679	4.1100e-003	0.0000	54.1706
Worker	0.0232	0.0173	0.1596	4.5000e-004	0.0553	3.3000e-004	0.0557	0.0147	3.0000e-004	0.0150	0.0000	40.5321	40.5321	1.0800e-003	0.0000	40.5592
Total	0.0289	0.2096	0.2284	9.9000e-004	0.0693	6.4000e-004	0.0699	0.0187	5.9000e-004	0.0193	0.0000	94.6000	94.6000	5.1900e-003	0.0000	94.7298

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1258	1.1508	1.2995	2.1600e-003		0.0560	0.0560		0.0527	0.0527	0.0000	185.4436	185.4436	0.0441	0.0000	186.5464
Total	0.1258	1.1508	1.2995	2.1600e-003		0.0560	0.0560		0.0527	0.0527	0.0000	185.4436	185.4436	0.0441	0.0000	186.5464

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.7100e-003	0.1923	0.0688	5.4000e-004	0.0140	3.1000e-004	0.0143	4.0300e-003	2.9000e-004	4.3200e-003	0.0000	54.0679	54.0679	4.1100e-003	0.0000	54.1706
Worker	0.0232	0.0173	0.1596	4.5000e-004	0.0553	3.3000e-004	0.0557	0.0147	3.0000e-004	0.0150	0.0000	40.5321	40.5321	1.0800e-003	0.0000	40.5592
Total	0.0289	0.2096	0.2284	9.9000e-004	0.0693	6.4000e-004	0.0699	0.0187	5.9000e-004	0.0193	0.0000	94.6000	94.6000	5.1900e-003	0.0000	94.7298

3.6 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	0.2653					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0104	0.0718	0.0925	1.5000e-004		4.1700e-003	4.1700e-003		4.1700e-003	4.1700e-003	0.0000	13.0216	13.0216	8.5000e-004	0.0000	13.0428
Total	0.2758	0.0718	0.0925	1.5000e-004		4.1700e-003	4.1700e-003		4.1700e-003	4.1700e-003	0.0000	13.0216	13.0216	8.5000e-004	0.0000	13.0428

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

3.6 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	3.1100e-003	2.4200e-003	0.0219	6.0000e-005	6.9300e-003	4.0000e-005	6.9700e-003	1.8400e-003	4.0000e-005	1.8800e-003	0.0000	5.2726	5.2726	1.5000e-004	0.0000	5.2764
Total	3.1100e-003	2.4200e-003	0.0219	6.0000e-005	6.9300e-003	4.0000e-005	6.9700e-003	1.8400e-003	4.0000e-005	1.8800e-003	0.0000	5.2726	5.2726	1.5000e-004	0.0000	5.2764

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2653					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0104	0.0718	0.0925	1.5000e-004		4.1700e-003	4.1700e-003		4.1700e-003	4.1700e-003	0.0000	13.0216	13.0216	8.5000e-004	0.0000	13.0428
Total	0.2758	0.0718	0.0925	1.5000e-004		4.1700e-003	4.1700e-003		4.1700e-003	4.1700e-003	0.0000	13.0216	13.0216	8.5000e-004	0.0000	13.0428

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

3.6 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	3.1100e-003	2.4200e-003	0.0219	6.0000e-005	6.9300e-003	4.0000e-005	6.9700e-003	1.8400e-003	4.0000e-005	1.8800e-003	0.0000	5.2726	5.2726	1.5000e-004	0.0000	5.2764
Total	3.1100e-003	2.4200e-003	0.0219	6.0000e-005	6.9300e-003	4.0000e-005	6.9700e-003	1.8400e-003	4.0000e-005	1.8800e-003	0.0000	5.2726	5.2726	1.5000e-004	0.0000	5.2764

3.6 Architectural Coating - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4162					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0153	0.1042	0.1449	2.4000e-004		5.6700e-003	5.6700e-003		5.6700e-003	5.6700e-003	0.0000	20.4260	20.4260	1.2200e-003	0.0000	20.4566
Total	0.4315	0.1042	0.1449	2.4000e-004		5.6700e-003	5.6700e-003		5.6700e-003	5.6700e-003	0.0000	20.4260	20.4260	1.2200e-003	0.0000	20.4566

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

3.6 Architectural Coating - 2023**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	4.5600e-003	3.4000e-003	0.0314	9.0000e-005	0.0109	6.0000e-005	0.0109	2.8900e-003	6.0000e-005	2.9500e-003	0.0000	7.9617	7.9617	2.1000e-004	0.0000	7.9670
Total	4.5600e-003	3.4000e-003	0.0314	9.0000e-005	0.0109	6.0000e-005	0.0109	2.8900e-003	6.0000e-005	2.9500e-003	0.0000	7.9617	7.9617	2.1000e-004	0.0000	7.9670

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4162					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0153	0.1042	0.1449	2.4000e-004		5.6700e-003	5.6700e-003		5.6700e-003	5.6700e-003	0.0000	20.4260	20.4260	1.2200e-003	0.0000	20.4566
Total	0.4315	0.1042	0.1449	2.4000e-004		5.6700e-003	5.6700e-003		5.6700e-003	5.6700e-003	0.0000	20.4260	20.4260	1.2200e-003	0.0000	20.4566

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

3.6 Architectural Coating - 2023**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	4.5600e-003	3.4000e-003	0.0314	9.0000e-005	0.0109	6.0000e-005	0.0109	2.8900e-003	6.0000e-005	2.9500e-003	0.0000	7.9617	7.9617	2.1000e-004	0.0000	7.9670
Total	4.5600e-003	3.4000e-003	0.0314	9.0000e-005	0.0109	6.0000e-005	0.0109	2.8900e-003	6.0000e-005	2.9500e-003	0.0000	7.9617	7.9617	2.1000e-004	0.0000	7.9670

3.7 Paving - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0387	0.3822	0.5469	8.6000e-004		0.0191	0.0191		0.0176	0.0176	0.0000	75.1008	75.1008	0.0243	0.0000	75.7080
Paving	3.2200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0420	0.3822	0.5469	8.6000e-004		0.0191	0.0191		0.0176	0.0176	0.0000	75.1008	75.1008	0.0243	0.0000	75.7080

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

3.7 Paving - 2023**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	1.4600e-003	1.0900e-003	0.0100	3.0000e-005	3.4700e-003	2.0000e-005	3.4900e-003	9.2000e-004	2.0000e-005	9.4000e-004	0.0000	2.5446	2.5446	7.0000e-005	0.0000	2.5463
Total	1.4600e-003	1.0900e-003	0.0100	3.0000e-005	3.4700e-003	2.0000e-005	3.4900e-003	9.2000e-004	2.0000e-005	9.4000e-004	0.0000	2.5446	2.5446	7.0000e-005	0.0000	2.5463

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0387	0.3822	0.5469	8.6000e-004		0.0191	0.0191		0.0176	0.0176	0.0000	75.1007	75.1007	0.0243	0.0000	75.7079
Paving	3.2200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0420	0.3822	0.5469	8.6000e-004		0.0191	0.0191		0.0176	0.0176	0.0000	75.1007	75.1007	0.0243	0.0000	75.7079

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

3.7 Paving - 2023**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	1.4600e-003	1.0900e-003	0.0100	3.0000e-005	3.4700e-003	2.0000e-005	3.4900e-003	9.2000e-004	2.0000e-005	9.4000e-004	0.0000	2.5446	2.5446	7.0000e-005	0.0000	2.5463
Total	1.4600e-003	1.0900e-003	0.0100	3.0000e-005	3.4700e-003	2.0000e-005	3.4900e-003	9.2000e-004	2.0000e-005	9.4000e-004	0.0000	2.5446	2.5446	7.0000e-005	0.0000	2.5463

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

Increase Density

Improve Pedestrian Network

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0966	0.3391	0.9665	2.5900e-003	0.2455	2.2800e-003	0.2478	0.0659	2.1300e-003	0.0681	0.0000	238.8554	238.8554	0.0117	0.0000	239.1468
Unmitigated	0.0975	0.3447	0.9872	2.6700e-003	0.2536	2.3400e-003	0.2560	0.0681	2.1900e-003	0.0703	0.0000	246.1148	246.1148	0.0119	0.0000	246.4131

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	361.04	361.04	361.04	668,800	647,395
Library	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	361.04	361.04	361.04	668,800	647,395

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	8.30	4.50	4.90	25.60	9.90	64.50	86	11	3
Library	6.60	5.50	6.40	52.00	43.00	5.00	44	44	12
Parking Lot	6.60	5.50	6.40	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.567965	0.027871	0.206163	0.120389	0.019588	0.005343	0.017610	0.019838	0.002797	0.002169	0.006725	0.002609	0.000932
Library	0.567965	0.027871	0.206163	0.120389	0.019588	0.005343	0.017610	0.019838	0.002797	0.002169	0.006725	0.002609	0.000932
Parking Lot	0.567965	0.027871	0.206163	0.120389	0.019588	0.005343	0.017610	0.019838	0.002797	0.002169	0.006725	0.002609	0.000932

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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	72.4855	72.4855	6.3900e-003	1.3200e-003	73.0395
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	83.2254	83.2254	7.3400e-003	1.5200e-003	83.8614
NaturalGas Mitigated	5.7800e-003	0.0507	0.0302	3.2000e-004		4.0000e-003	4.0000e-003		4.0000e-003	4.0000e-003	0.0000	57.2309	57.2309	1.1000e-003	1.0500e-003	57.5710
NaturalGas Unmitigated	7.3600e-003	0.0645	0.0386	4.0000e-004		5.0800e-003	5.0800e-003		5.0800e-003	5.0800e-003	0.0000	72.8139	72.8139	1.4000e-003	1.3300e-003	73.2466

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

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					
Apartments Low Rise	815908	4.4000e-003	0.0376	0.0160	2.4000e-004		3.0400e-003	3.0400e-003		3.0400e-003	3.0400e-003	0.0000	43.5400	43.5400	8.3000e-004	8.0000e-004	43.7987
Library	548572	2.9600e-003	0.0269	0.0226	1.6000e-004		2.0400e-003	2.0400e-003		2.0400e-003	2.0400e-003	0.0000	29.2739	29.2739	5.6000e-004	5.4000e-004	29.4479
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
Total		7.3600e-003	0.0645	0.0386	4.0000e-004		5.0800e-003	5.0800e-003		5.0800e-003	5.0800e-003	0.0000	72.8139	72.8139	1.3900e-003	1.3400e-003	73.2466

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					
Apartments Low Rise	646856	3.4900e-003	0.0298	0.0127	1.9000e-004		2.4100e-003	2.4100e-003		2.4100e-003	2.4100e-003	0.0000	34.5187	34.5187	6.6000e-004	6.3000e-004	34.7238
Library	425611	2.2900e-003	0.0209	0.0175	1.3000e-004		1.5900e-003	1.5900e-003		1.5900e-003	1.5900e-003	0.0000	22.7122	22.7122	4.4000e-004	4.2000e-004	22.8472
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
Total		5.7800e-003	0.0507	0.0302	3.2000e-004		4.0000e-003	4.0000e-003		4.0000e-003	4.0000e-003	0.0000	57.2309	57.2309	1.1000e-003	1.0500e-003	57.5710

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

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

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	347904	51.8868	4.5800e-003	9.5000e-004	52.2834
Library	171767	25.6175	2.2600e-003	4.7000e-004	25.8133
Parking Lot	38360	5.7211	5.0000e-004	1.0000e-004	5.7648
Total		83.2254	7.3400e-003	1.5200e-003	83.8614

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	305215	45.5201	4.0100e-003	8.3000e-004	45.8680
Library	146280	21.8164	1.9200e-003	4.0000e-004	21.9832
Parking Lot	34524	5.1490	4.5000e-004	9.0000e-005	5.1883
Total		72.4855	6.3800e-003	1.3200e-003	73.0395

6.0 Area Detail

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

6.1 Mitigation Measures Area

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	0.5765	6.8700e-003	0.5969	3.0000e-005		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003	0.0000	0.9756	0.9756	9.5000e-004	0.0000	0.9992
Unmitigated	0.5765	6.8700e-003	0.5969	3.0000e-005		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003	0.0000	0.9756	0.9756	9.5000e-004	0.0000	0.9992

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0682					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4902					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0182	6.8700e-003	0.5969	3.0000e-005		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003	0.0000	0.9756	0.9756	9.5000e-004	0.0000	0.9992
Total	0.5765	6.8700e-003	0.5969	3.0000e-005		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003	0.0000	0.9756	0.9756	9.5000e-004	0.0000	0.9992

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0682					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4902					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0182	6.8700e-003	0.5969	3.0000e-005		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003	0.0000	0.9756	0.9756	9.5000e-004	0.0000	0.9992
Total	0.5765	6.8700e-003	0.5969	3.0000e-005		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003	0.0000	0.9756	0.9756	9.5000e-004	0.0000	0.9992

7.0 Water Detail**7.1 Mitigation Measures Water**

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	9.0526	7.7600e-003	4.6400e-003	10.6287
Unmitigated	9.0526	7.7600e-003	4.6400e-003	10.6287

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	5.21232 / 3.28603	7.7658	6.8700e-003	4.1200e-003	9.1648
Library	0.650809 / 1.01793	1.2868	8.9000e-004	5.2000e-004	1.4639
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		9.0526	7.7600e-003	4.6400e-003	10.6287

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	5.21232 / 3.28603	7.7658	6.8700e-003	4.1200e-003	9.1648
Library	0.650809 / 1.01793	1.2868	8.9000e-004	5.2000e-004	1.4639
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		9.0526	7.7600e-003	4.6400e-003	10.6287

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	11.6208	0.5762	0.0000	26.0269
Unmitigated	11.6208	0.5762	0.0000	26.0269

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	36.8	7.6420	0.3789	0.0000	17.1156
Library	19.16	3.9788	0.1973	0.0000	8.9113
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		11.6208	0.5762	0.0000	26.0269

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

8.2 Waste by Land Use**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	36.8	7.6420	0.3789	0.0000	17.1156
Library	19.16	3.9788	0.1973	0.0000	8.9113
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		11.6208	0.5762	0.0000	26.0269

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
----------------	--------

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Annual

11.0 Vegetation

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Summer

Escalante Meadows

Santa Barbara-North of Santa Ynez County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	80.00	Dwelling Unit	6.00	102,912.00	218
Library	20.80	1000sqft	0.50	20,795.00	0
Parking Lot	274.00	Space	2.46	109,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.1	Precipitation Freq (Days)	37
Climate Zone	4			Operational Year	2023
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	328.8	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Summer

Project Characteristics - CO2 intensity based on 5-year average (PG&E, 2015)

Land Use - The project would include a community building for resident services along with a children's center, wellness service center, and maintenance building; however Library was chosen as the closest representative land use type.

Construction Phase - Based on construction duration provided by project applicant

Demolition - The proposed project would demolish the existing apartment buildings.

Vehicle Trips - Trip generation rates based on the Traffic and Circulation Study.

Mobile Land Use Mitigation -

Area Mitigation - Assuming only natural gas hearth

Energy Mitigation - The project would be consistent with California's 2019 Building Energy Efficiency Standards, which will take effect on January 1, 2020 and the project would include solar-ready covered parking during each phase of the project.

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	262.00
tblConstructionPhase	NumDays	230.00	604.00
tblConstructionPhase	NumDays	20.00	50.00
tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	20.00	75.00
tblConstructionPhase	NumDays	10.00	25.00
tblConstructionPhase	PhaseEndDate	2/21/2022	8/11/2023
tblConstructionPhase	PhaseEndDate	12/27/2021	8/11/2023
tblConstructionPhase	PhaseEndDate	12/28/2020	2/8/2021
tblConstructionPhase	PhaseEndDate	2/8/2021	4/19/2021
tblConstructionPhase	PhaseEndDate	1/24/2022	8/11/2023
tblConstructionPhase	PhaseEndDate	1/11/2021	3/15/2021
tblConstructionPhase	PhaseStartDate	1/25/2022	8/11/2022
tblConstructionPhase	PhaseStartDate	2/9/2021	4/20/2021
tblConstructionPhase	PhaseStartDate	1/12/2021	3/16/2021

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Summer

tblConstructionPhase	PhaseStartDate	12/28/2021	5/1/2023
tblConstructionPhase	PhaseStartDate	12/29/2020	2/9/2021
tblGrading	AcresOfGrading	12.50	10.00
tblLandUse	LandUseSquareFeet	80,000.00	102,912.00
tblLandUse	LandUseSquareFeet	20,800.00	20,795.00
tblLandUse	LotAcreage	5.00	6.00
tblLandUse	LotAcreage	0.48	0.50
tblLandUse	LotAcreage	2.47	2.46
tblProjectCharacteristics	CO2IntensityFactor	641.35	328.8
tblVehicleTrips	ST_TR	7.16	4.51
tblVehicleTrips	ST_TR	46.55	0.00
tblVehicleTrips	SU_TR	6.07	4.51
tblVehicleTrips	SU_TR	25.49	0.00
tblVehicleTrips	WD_TR	6.59	4.51
tblVehicleTrips	WD_TR	56.24	0.00

2.0 Emissions Summary

Escalante Meadows - Santa Barbara-North of Santa Ynez County, 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					
2020	3.4138	35.2549	22.6936	0.0449	1.8174	1.6676	3.4850	0.3101	1.5503	1.8605	0.0000	4,417.779 5	4,417.779 5	1.1137	0.0000	4,445.621 8
2021	3.9403	40.5360	22.4475	0.0448	18.1799	2.0452	20.2251	9.9608	1.8816	11.8424	0.0000	4,407.859 8	4,407.859 8	1.1951	0.0000	4,435.662 1
2022	7.5642	20.1477	21.6771	0.0440	1.0239	0.9036	1.9275	0.2756	0.8550	1.1306	0.0000	4,311.600 2	4,311.600 2	0.7082	0.0000	4,329.304 5
2023	8.5303	28.5208	36.0939	0.0672	1.1186	1.2900	2.4086	0.3008	1.2073	1.5080	0.0000	6,556.420 5	6,556.420 5	1.4142	0.0000	6,591.774 4
Maximum	8.5303	40.5360	36.0939	0.0672	18.1799	2.0452	20.2251	9.9608	1.8816	11.8424	0.0000	6,556.420 5	6,556.420 5	1.4142	0.0000	6,591.774 4

Escalante Meadows - Santa Barbara-North of Santa Ynez County, 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					
2020	3.4138	35.2549	22.6936	0.0449	1.8174	1.6676	3.4850	0.3101	1.5503	1.8605	0.0000	4,417.7795	4,417.7795	1.1137	0.0000	4,445.6218
2021	3.9403	40.5359	22.4475	0.0448	18.1799	2.0452	20.2251	9.9608	1.8816	11.8424	0.0000	4,407.8598	4,407.8598	1.1951	0.0000	4,435.6621
2022	7.5642	20.1477	21.6771	0.0440	1.0239	0.9036	1.9275	0.2756	0.8550	1.1306	0.0000	4,311.6002	4,311.6002	0.7082	0.0000	4,329.3045
2023	8.5303	28.5208	36.0939	0.0672	1.1186	1.2900	2.4086	0.3008	1.2073	1.5080	0.0000	6,556.4205	6,556.4205	1.4142	0.0000	6,591.7744
Maximum	8.5303	40.5359	36.0939	0.0672	18.1799	2.0452	20.2251	9.9608	1.8816	11.8424	0.0000	6,556.4205	6,556.4205	1.4142	0.0000	6,591.7744

[illegible]

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Summer

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2613	0.0764	6.6317	3.5000e-004		0.0367	0.0367		0.0367	0.0367	0.0000	11.9487	11.9487	0.0116	0.0000	12.2386
Energy	0.0403	0.3534	0.2114	2.2000e-003		0.0279	0.0279		0.0279	0.0279		439.8002	439.8002	8.4300e-003	8.0600e-003	442.4137
Mobile	0.5536	1.8265	5.2400	0.0150	1.4243	0.0128	1.4372	0.3818	0.0120	0.3938		1,519.7424	1,519.7424	0.0712		1,521.5227
Total	3.8552	2.2562	12.0831	0.0175	1.4243	0.0773	1.5017	0.3818	0.0765	0.4583	0.0000	1,971.4913	1,971.4913	0.0912	8.0600e-003	1,976.1751

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2613	0.0764	6.6317	3.5000e-004		0.0367	0.0367		0.0367	0.0367	0.0000	11.9487	11.9487	0.0116	0.0000	12.2386
Energy	0.0317	0.2776	0.1655	1.7300e-003		0.0219	0.0219		0.0219	0.0219		345.6783	345.6783	6.6300e-003	6.3400e-003	347.7325
Mobile	0.5490	1.7975	5.1237	0.0145	1.3787	0.0125	1.3912	0.3695	0.0117	0.3812		1,474.9677	1,474.9677	0.0695		1,476.7060
Total	3.8419	2.1515	11.9209	0.0166	1.3787	0.0710	1.4498	0.3695	0.0702	0.4398	0.0000	1,832.5947	1,832.5947	0.0878	6.3400e-003	1,836.6771

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.34	4.64	1.34	5.20	3.20	8.16	3.46	3.20	8.21	4.04	0.00	7.05	7.05	3.81	21.34	7.06

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/1/2020	2/8/2021	5	50	
2	Site Preparation	Site Preparation	2/9/2021	3/15/2021	5	25	
3	Grading	Grading	3/16/2021	4/19/2021	5	25	
4	Building Construction	Building Construction	4/20/2021	8/11/2023	5	604	
5	Architectural Coating	Architectural Coating	8/11/2022	8/11/2023	5	262	
6	Paving	Paving	5/1/2023	8/11/2023	5	75	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 10****Acres of Paving: 2.46****Residential Indoor: 208,397; Residential Outdoor: 69,466; Non-Residential Indoor: 31,193; Non-Residential Outdoor: 10,398; Striped Parking Area: 6,576 (Architectural Coating – sqft)****OffRoad Equipment**

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Summer

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

Trips and VMT

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	337.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	112.00	30.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	22.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5009	0.0000	1.5009	0.2273	0.0000	0.2273			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	1.5009	1.6587	3.1596	0.2273	1.5419	1.7691		3,747.7049	3,747.7049	1.0580		3,774.1536

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Summer

3.2 Demolition - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0548	2.0175	0.5889	5.2500e-003	0.2217	8.2700e-003	0.2300	0.0577	7.9200e-003	0.0656		584.8102	584.8102	0.0529		586.1325
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0469	0.0364	0.3515	8.6000e-004	0.0947	6.0000e-004	0.0953	0.0251	5.6000e-004	0.0257		85.2644	85.2644	2.8500e-003		85.3357
Total	0.1017	2.0539	0.9404	6.1100e-003	0.3164	8.8700e-003	0.3253	0.0828	8.4800e-003	0.0913		670.0745	670.0745	0.0557		671.4682

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.5009	0.0000	1.5009	0.2273	0.0000	0.2273			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	1.5009	1.6587	3.1596	0.2273	1.5419	1.7691	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Summer

3.2 Demolition - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0548	2.0175	0.5889	5.2500e-003	0.2217	8.2700e-003	0.2300	0.0577	7.9200e-003	0.0656		584.8102	584.8102	0.0529		586.1325
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0469	0.0364	0.3515	8.6000e-004	0.0947	6.0000e-004	0.0953	0.0251	5.6000e-004	0.0257		85.2644	85.2644	2.8500e-003		85.3357
Total	0.1017	2.0539	0.9404	6.1100e-003	0.3164	8.8700e-003	0.3253	0.0828	8.4800e-003	0.0913		670.0745	670.0745	0.0557		671.4682

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5009	0.0000	1.5009	0.2273	0.0000	0.2273			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	1.5009	1.5513	3.0523	0.2273	1.4411	1.6684		3,747.9449	3,747.9449	1.0549		3,774.3174

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0511	1.8541	0.5640	5.1600e-003	0.1930	7.2600e-003	0.2003	0.0507	6.9500e-003	0.0576		577.5463	577.5463	0.0547		578.9128
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0435	0.0324	0.3185	8.3000e-004	0.0947	5.8000e-004	0.0953	0.0251	5.4000e-004	0.0257		82.3686	82.3686	2.5300e-003		82.4319
Total	0.0945	1.8865	0.8825	5.9900e-003	0.2877	7.8400e-003	0.2956	0.0758	7.4900e-003	0.0833		659.9149	659.9149	0.0572		661.3447

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.5009	0.0000	1.5009	0.2273	0.0000	0.2273			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	1.5009	1.5513	3.0523	0.2273	1.4411	1.6684	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0511	1.8541	0.5640	5.1600e-003	0.1930	7.2600e-003	0.2003	0.0507	6.9500e-003	0.0576		577.5463	577.5463	0.0547		578.9128
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0435	0.0324	0.3185	8.3000e-004	0.0947	5.8000e-004	0.0953	0.0251	5.4000e-004	0.0257		82.3686	82.3686	2.5300e-003		82.4319
Total	0.0945	1.8865	0.8825	5.9900e-003	0.2877	7.8400e-003	0.2956	0.0758	7.4900e-003	0.0833		659.9149	659.9149	0.0572		661.3447

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	3.8882	40.4971	21.1543	0.0380	18.0663	2.0445	20.1107	9.9307	1.8809	11.8116		3,685.6569	3,685.6569	1.1920		3,715.4573

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0522	0.0389	0.3822	9.9000e-004	0.1137	7.0000e-004	0.1144	0.0302	6.5000e-004	0.0308		98.8423	98.8423	3.0400e-003		98.9183
Total	0.0522	0.0389	0.3822	9.9000e-004	0.1137	7.0000e-004	0.1144	0.0302	6.5000e-004	0.0308		98.8423	98.8423	3.0400e-003		98.9183

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715,4573
Total	3.8882	40.4971	21.1543	0.0380	18.0663	2.0445	20.1107	9.9307	1.8809	11.8116	0.0000	3,685.6569	3,685.6569	1.1920		3,715,4573

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0522	0.0389	0.3822	9.9000e-004	0.1137	7.0000e-004	0.1144	0.0302	6.5000e-004	0.0308		98.8423	98.8423	3.0400e-003		98.9183
Total	0.0522	0.0389	0.3822	9.9000e-004	0.1137	7.0000e-004	0.1144	0.0302	6.5000e-004	0.0308		98.8423	98.8423	3.0400e-003		98.9183

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.4463	0.0000	6.4463	3.3560	0.0000	3.3560			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895,1495
Total	2.2903	24.7367	15.8575	0.0296	6.4463	1.1599	7.6062	3.3560	1.0671	4.4232		2,871.9285	2,871.9285	0.9288		2,895,1495

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0435	0.0324	0.3185	8.3000e-004	0.0947	5.8000e-004	0.0953	0.0251	5.4000e-004	0.0257		82.3686	82.3686	2.5300e-003		82.4319
Total	0.0435	0.0324	0.3185	8.3000e-004	0.0947	5.8000e-004	0.0953	0.0251	5.4000e-004	0.0257		82.3686	82.3686	2.5300e-003		82.4319

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					6.4463	0.0000	6.4463	3.3560	0.0000	3.3560			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895,1495
Total	2.2903	24.7367	15.8575	0.0296	6.4463	1.1599	7.6062	3.3560	1.0671	4.4232	0.0000	2,871.9285	2,871.9285	0.9288		2,895,1495

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0435	0.0324	0.3185	8.3000e-004	0.0947	5.8000e-004	0.0953	0.0251	5.4000e-004	0.0257		82.3686	82.3686	2.5300e-003		82.4319
Total	0.0435	0.0324	0.3185	8.3000e-004	0.0947	5.8000e-004	0.0953	0.0251	5.4000e-004	0.0257		82.3686	82.3686	2.5300e-003		82.4319

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

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

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0971	3.0176	0.9855	7.0900e-003	0.1777	8.8700e-003	0.1865	0.0511	8.4800e-003	0.0596		772.6706	772.6706	0.0570		774.0959
Worker	0.3245	0.2417	2.3784	6.1800e-003	0.7073	4.3600e-003	0.7117	0.1877	4.0200e-003	0.1917		615.0188	615.0188	0.0189		615.4915
Total	0.4216	3.2594	3.3639	0.0133	0.8850	0.0132	0.8982	0.2388	0.0125	0.2513		1,387.6894	1,387.6894	0.0759		1,389.5874

Mitigated Construction On-Site

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

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0971	3.0176	0.9855	7.0900e-003	0.1777	8.8700e-003	0.1865	0.0511	8.4800e-003	0.0596		772.6706	772.6706	0.0570		774.0959
Worker	0.3245	0.2417	2.3784	6.1800e-003	0.7073	4.3600e-003	0.7117	0.1877	4.0200e-003	0.1917		615.0188	615.0188	0.0189		615.4915
Total	0.4216	3.2594	3.3639	0.0133	0.8850	0.0132	0.8982	0.2388	0.0125	0.2513		1,387.6894	1,387.6894	0.0759		1,389.5874

3.5 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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Summer

3.5 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	0.0894	2.8651	0.9073	7.0100e-003	0.1777	7.7800e-003	0.1854	0.0511	7.4400e-003	0.0586		766.2416	766.2416	0.0578		767.6855
Worker	0.3022	0.2160	2.1671	5.9500e-003	0.7073	4.2300e-003	0.7116	0.1877	3.9000e-003	0.1916		593.0793	593.0793	0.0168		593.5003
Total	0.3915	3.0811	3.0744	0.0130	0.8850	0.0120	0.8970	0.2388	0.0113	0.2501		1,359.3209	1,359.3209	0.0746		1,361.1858

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Summer

3.5 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	0.0894	2.8651	0.9073	7.0100e-003	0.1777	7.7800e-003	0.1854	0.0511	7.4400e-003	0.0586		766.2416	766.2416	0.0578		767.6855
Worker	0.3022	0.2160	2.1671	5.9500e-003	0.7073	4.2300e-003	0.7116	0.1877	3.9000e-003	0.1916		593.0793	593.0793	0.0168		593.5003
Total	0.3915	3.0811	3.0744	0.0130	0.8850	0.0120	0.8970	0.2388	0.0113	0.2501		1,359.3209	1,359.3209	0.0746		1,361.1858

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0695	2.3838	0.8203	6.8700e-003	0.1776	3.7400e-003	0.1814	0.0511	3.5800e-003	0.0547		752.6634	752.6634	0.0555		754.0511
Worker	0.2820	0.1935	1.9801	5.7300e-003	0.7073	4.1300e-003	0.7115	0.1877	3.8000e-003	0.1915		570.9106	570.9106	0.0150		571.2862
Total	0.3515	2.5773	2.8004	0.0126	0.8850	7.8700e-003	0.8928	0.2388	7.3800e-003	0.2461		1,323.5740	1,323.5740	0.0705		1,325.3373

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0695	2.3838	0.8203	6.8700e-003	0.1776	3.7400e-003	0.1814	0.0511	3.5800e-003	0.0547		752.6634	752.6634	0.0555		754.0511
Worker	0.2820	0.1935	1.9801	5.7300e-003	0.7073	4.1300e-003	0.7115	0.1877	3.8000e-003	0.1915		570.9106	570.9106	0.0150		571.2862
Total	0.3515	2.5773	2.8004	0.0126	0.8850	7.8700e-003	0.8928	0.2388	7.3800e-003	0.2461		1,323.5740	1,323.5740	0.0705		1,325.3373

3.6 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	5.2026					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	5.4071	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Summer

3.6 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	0.0594	0.0424	0.4257	1.1700e-003	0.1389	8.3000e-004	0.1398	0.0369	7.7000e-004	0.0376		116.4977	116.4977	3.3100e-003		116.5804
Total	0.0594	0.0424	0.4257	1.1700e-003	0.1389	8.3000e-004	0.1398	0.0369	7.7000e-004	0.0376		116.4977	116.4977	3.3100e-003		116.5804

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.2026					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	5.4071	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Summer

3.6 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	0.0594	0.0424	0.4257	1.1700e-003	0.1389	8.3000e-004	0.1398	0.0369	7.7000e-004	0.0376		116.4977	116.4977	3.3100e-003		116.5804
Total	0.0594	0.0424	0.4257	1.1700e-003	0.1389	8.3000e-004	0.1398	0.0369	7.7000e-004	0.0376		116.4977	116.4977	3.3100e-003		116.5804

3.6 Architectural Coating - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.2026					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	5.3942	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Summer

3.6 Architectural Coating - 2023**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0554	0.0380	0.3890	1.1300e-003	0.1389	8.1000e-004	0.1398	0.0369	7.5000e-004	0.0376		112.1432	112.1432	2.9500e-003		112.2169
Total	0.0554	0.0380	0.3890	1.1300e-003	0.1389	8.1000e-004	0.1398	0.0369	7.5000e-004	0.0376		112.1432	112.1432	2.9500e-003		112.2169

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.2026					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	5.3942	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Summer

3.6 Architectural Coating - 2023**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0554	0.0380	0.3890	1.1300e-003	0.1389	8.1000e-004	0.1398	0.0369	7.5000e-004	0.0376		112.1432	112.1432	2.9500e-003		112.2169
Total	0.0554	0.0380	0.3890	1.1300e-003	0.1389	8.1000e-004	0.1398	0.0369	7.5000e-004	0.0376		112.1432	112.1432	2.9500e-003		112.2169

3.7 Paving - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0859					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1187	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Summer

3.7 Paving - 2023**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0378	0.0259	0.2652	7.7000e-004	0.0947	5.5000e-004	0.0953	0.0251	5.1000e-004	0.0256		76.4613	76.4613	2.0100e-003		76.5116
Total	0.0378	0.0259	0.2652	7.7000e-004	0.0947	5.5000e-004	0.0953	0.0251	5.1000e-004	0.0256		76.4613	76.4613	2.0100e-003		76.5116

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0859					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1187	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Summer

3.7 Paving - 2023**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0378	0.0259	0.2652	7.7000e-004	0.0947	5.5000e-004	0.0953	0.0251	5.1000e-004	0.0256		76.4613	76.4613	2.0100e-003		76.5116
Total	0.0378	0.0259	0.2652	7.7000e-004	0.0947	5.5000e-004	0.0953	0.0251	5.1000e-004	0.0256		76.4613	76.4613	2.0100e-003		76.5116

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

Increase Density

Improve Pedestrian Network

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5490	1.7975	5.1237	0.0145	1.3787	0.0125	1.3912	0.3695	0.0117	0.3812		1,474.9677	1,474.9677	0.0695		1,476.7060
Unmitigated	0.5536	1.8265	5.2400	0.0150	1.4243	0.0128	1.4372	0.3818	0.0120	0.3938		1,519.7424	1,519.7424	0.0712		1,521.5227

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	361.04	361.04	361.04	668,800	647,395
Library	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	361.04	361.04	361.04	668,800	647,395

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	8.30	4.50	4.90	25.60	9.90	64.50	86	11	3
Library	6.60	5.50	6.40	52.00	43.00	5.00	44	44	12
Parking Lot	6.60	5.50	6.40	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.567965	0.027871	0.206163	0.120389	0.019588	0.005343	0.017610	0.019838	0.002797	0.002169	0.006725	0.002609	0.000932
Library	0.567965	0.027871	0.206163	0.120389	0.019588	0.005343	0.017610	0.019838	0.002797	0.002169	0.006725	0.002609	0.000932
Parking Lot	0.567965	0.027871	0.206163	0.120389	0.019588	0.005343	0.017610	0.019838	0.002797	0.002169	0.006725	0.002609	0.000932

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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	0.0317	0.2776	0.1655	1.7300e-003		0.0219	0.0219		0.0219	0.0219		345.6783	345.6783	6.6300e-003	6.3400e-003	347.7325
NaturalGas Unmitigated	0.0403	0.3534	0.2114	2.2000e-003		0.0279	0.0279		0.0279	0.0279		439.8002	439.8002	8.4300e-003	8.0600e-003	442.4137

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Summer

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

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	2235.36	0.0241	0.2060	0.0877	1.3100e-003		0.0167	0.0167		0.0167	0.0167		262.9841	262.9841	5.0400e-003	4.8200e-003	264.5468
Library	1502.94	0.0162	0.1474	0.1238	8.8000e-004		0.0112	0.0112		0.0112	0.0112		176.8162	176.8162	3.3900e-003	3.2400e-003	177.8669
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
Total		0.0403	0.3534	0.2114	2.1900e-003		0.0279	0.0279		0.0279	0.0279		439.8002	439.8002	8.4300e-003	8.0600e-003	442.4137

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					
Apartments Low Rise	1.77221	0.0191	0.1633	0.0695	1.0400e-003		0.0132	0.0132		0.0132	0.0132		208.4950	208.4950	4.0000e-003	3.8200e-003	209.7339
Library	1.16606	0.0126	0.1143	0.0960	6.9000e-004		8.6900e-003	8.6900e-003		8.6900e-003	8.6900e-003		137.1833	137.1833	2.6300e-003	2.5200e-003	137.9985
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
Total		0.0317	0.2776	0.1655	1.7300e-003		0.0219	0.0219		0.0219	0.0219		345.6783	345.6783	6.6300e-003	6.3400e-003	347.7325

6.0 Area Detail

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Summer

6.1 Mitigation Measures Area

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	3.2613	0.0764	6.6317	3.5000e-004		0.0367	0.0367		0.0367	0.0367	0.0000	11.9487	11.9487	0.0116	0.0000	12.2386
Unmitigated	3.2613	0.0764	6.6317	3.5000e-004		0.0367	0.0367		0.0367	0.0367	0.0000	11.9487	11.9487	0.0116	0.0000	12.2386

Escalante Meadows - Santa Barbara-North of Santa Ynez County, 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	0.3734					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.6862					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.2017	0.0764	6.6317	3.5000e-004		0.0367	0.0367		0.0367	0.0367		11.9487	11.9487	0.0116		12.2386
Total	3.2613	0.0764	6.6317	3.5000e-004		0.0367	0.0367		0.0367	0.0367	0.0000	11.9487	11.9487	0.0116	0.0000	12.2386

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Summer

6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3734					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.6862					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.2017	0.0764	6.6317	3.5000e-004		0.0367	0.0367		0.0367	0.0367		11.9487	11.9487	0.0116		12.2386
Total	3.2613	0.0764	6.6317	3.5000e-004		0.0367	0.0367		0.0367	0.0367	0.0000	11.9487	11.9487	0.0116	0.0000	12.2386

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Summer

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

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Winter

Escalante Meadows

Santa Barbara-North of Santa Ynez County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	80.00	Dwelling Unit	6.00	102,912.00	218
Library	20.80	1000sqft	0.50	20,795.00	0
Parking Lot	274.00	Space	2.46	109,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.1	Precipitation Freq (Days)	37
Climate Zone	4			Operational Year	2023
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	328.8	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Winter

Project Characteristics - CO2 intensity based on 5-year average (PG&E, 2015)

Land Use - The project would include a community building for resident services along with a children's center, wellness service center, and maintenance building; however Library was chosen as the closest representative land use type.

Construction Phase - Based on construction duration provided by project applicant

Demolition - The proposed project would demolish the existing apartment buildings.

Vehicle Trips - Trip generation rates based on the Traffic and Circulation Study.

Mobile Land Use Mitigation -

Area Mitigation - Assuming only natural gas hearth

Energy Mitigation - The project would be consistent with California's 2019 Building Energy Efficiency Standards, which will take effect on January 1, 2020 and the project would include solar-ready covered parking during each phase of the project.

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	262.00
tblConstructionPhase	NumDays	230.00	604.00
tblConstructionPhase	NumDays	20.00	50.00
tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	20.00	75.00
tblConstructionPhase	NumDays	10.00	25.00
tblConstructionPhase	PhaseEndDate	2/21/2022	8/11/2023
tblConstructionPhase	PhaseEndDate	12/27/2021	8/11/2023
tblConstructionPhase	PhaseEndDate	12/28/2020	2/8/2021
tblConstructionPhase	PhaseEndDate	2/8/2021	4/19/2021
tblConstructionPhase	PhaseEndDate	1/24/2022	8/11/2023
tblConstructionPhase	PhaseEndDate	1/11/2021	3/15/2021
tblConstructionPhase	PhaseStartDate	1/25/2022	8/11/2022
tblConstructionPhase	PhaseStartDate	2/9/2021	4/20/2021
tblConstructionPhase	PhaseStartDate	1/12/2021	3/16/2021

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Winter

tblConstructionPhase	PhaseStartDate	12/28/2021	5/1/2023
tblConstructionPhase	PhaseStartDate	12/29/2020	2/9/2021
tblGrading	AcresOfGrading	12.50	10.00
tblLandUse	LandUseSquareFeet	80,000.00	102,912.00
tblLandUse	LandUseSquareFeet	20,800.00	20,795.00
tblLandUse	LotAcreage	5.00	6.00
tblLandUse	LotAcreage	0.48	0.50
tblLandUse	LotAcreage	2.47	2.46
tblProjectCharacteristics	CO2IntensityFactor	641.35	328.8
tblVehicleTrips	ST_TR	7.16	4.51
tblVehicleTrips	ST_TR	46.55	0.00
tblVehicleTrips	SU_TR	6.07	4.51
tblVehicleTrips	SU_TR	25.49	0.00
tblVehicleTrips	WD_TR	6.59	4.51
tblVehicleTrips	WD_TR	56.24	0.00

2.0 Emissions Summary

Escalante Meadows - Santa Barbara-North of Santa Ynez County, 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					
2020	3.4212	35.2729	22.7334	0.0448	1.8174	1.6678	3.4852	0.3101	1.5505	1.8607	0.0000	4,407.9396	4,407.9396	1.1148	0.0000	4,435.8090
2021	3.9470	40.5415	22.4828	0.0447	18.1799	2.0452	20.2251	9.9608	1.8816	11.8424	0.0000	4,398.0578	4,398.0578	1.1951	0.0000	4,425.8869
2022	7.6168	20.1714	21.8572	0.0437	1.0239	0.9040	1.9279	0.2756	0.8554	1.1310	0.0000	4,276.8641	4,276.8641	0.7109	0.0000	4,294.6357
2023	8.5845	28.5451	36.2512	0.0669	1.1186	1.2902	2.4088	0.3008	1.2074	1.5082	0.0000	6,520.6403	6,520.6403	1.4165	0.0000	6,556.0519
Maximum	8.5845	40.5415	36.2512	0.0669	18.1799	2.0452	20.2251	9.9608	1.8816	11.8424	0.0000	6,520.6403	6,520.6403	1.4165	0.0000	6,556.0519

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.4212	35.2729	22.7334	0.0448	1.8174	1.6678	3.4852	0.3101	1.5505	1.8607	0.0000	4,407.9396	4,407.9396	1.1148	0.0000	4,435.8090
2021	3.9470	40.5415	22.4828	0.0447	18.1799	2.0452	20.2251	9.9608	1.8816	11.8424	0.0000	4,398.0578	4,398.0578	1.1951	0.0000	4,425.8869
2022	7.6168	20.1714	21.8572	0.0437	1.0239	0.9040	1.9279	0.2756	0.8554	1.1310	0.0000	4,276.8641	4,276.8641	0.7109	0.0000	4,294.6357
2023	8.5845	28.5451	36.2512	0.0669	1.1186	1.2902	2.4088	0.3008	1.2074	1.5082	0.0000	6,520.6403	6,520.6403	1.4165	0.0000	6,556.0519
Maximum	8.5845	40.5415	36.2512	0.0669	18.1799	2.0452	20.2251	9.9608	1.8816	11.8424	0.0000	6,520.6403	6,520.6403	1.4165	0.0000	6,556.0519

[illegible]

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Winter

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2613	0.0764	6.6317	3.5000e-004		0.0367	0.0367		0.0367	0.0367	0.0000	11.9487	11.9487	0.0116	0.0000	12.2386
Energy	0.0403	0.3534	0.2114	2.2000e-003		0.0279	0.0279		0.0279	0.0279		439.8002	439.8002	8.4300e-003	8.0600e-003	442.4137
Mobile	0.5424	1.8906	5.6185	0.0146	1.4243	0.0129	1.4372	0.3818	0.0121	0.3938		1,485.7814	1,485.7814	0.0736		1,487.6215
Total	3.8439	2.3203	12.4616	0.0172	1.4243	0.0774	1.5017	0.3818	0.0766	0.4583	0.0000	1,937.5303	1,937.5303	0.0936	8.0600e-003	1,942.2738

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2613	0.0764	6.6317	3.5000e-004		0.0367	0.0367		0.0367	0.0367	0.0000	11.9487	11.9487	0.0116	0.0000	12.2386
Energy	0.0317	0.2776	0.1655	1.7300e-003		0.0219	0.0219		0.0219	0.0219		345.6783	345.6783	6.6300e-003	6.3400e-003	347.7325
Mobile	0.5376	1.8596	5.5038	0.0142	1.3787	0.0126	1.3913	0.3695	0.0118	0.3813		1,441.8081	1,441.8081	0.0719		1,443.6065
Total	3.8306	2.2136	12.3010	0.0163	1.3787	0.0711	1.4499	0.3695	0.0703	0.4398	0.0000	1,799.4350	1,799.4350	0.0902	6.3400e-003	1,803.5776

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.35	4.60	1.29	5.24	3.20	8.14	3.46	3.20	8.21	4.04	0.00	7.13	7.13	3.70	21.34	7.14

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/1/2020	2/8/2021	5	50	
2	Site Preparation	Site Preparation	2/9/2021	3/15/2021	5	25	
3	Grading	Grading	3/16/2021	4/19/2021	5	25	
4	Building Construction	Building Construction	4/20/2021	8/11/2023	5	604	
5	Architectural Coating	Architectural Coating	8/11/2022	8/11/2023	5	262	
6	Paving	Paving	5/1/2023	8/11/2023	5	75	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 2.46

Residential Indoor: 208,397; Residential Outdoor: 69,466; Non-Residential Indoor: 31,193; Non-Residential Outdoor: 10,398; Striped Parking Area: 6,576 (Architectural Coating – sqft)

OffRoad Equipment

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Winter

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

Trips and VMT

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	337.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	112.00	30.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	22.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5009	0.0000	1.5009	0.2273	0.0000	0.2273			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	1.5009	1.6587	3.1596	0.2273	1.5419	1.7691		3,747.7049	3,747.7049	1.0580		3,774.1536

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Winter

3.2 Demolition - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0562	2.0303	0.6152	5.1800e-003	0.2217	8.4800e-003	0.2302	0.0577	8.1100e-003	0.0658		576.9422	576.9422	0.0540		578.2913
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0529	0.0416	0.3651	8.4000e-004	0.0947	6.0000e-004	0.0953	0.0251	5.6000e-004	0.0257		83.2924	83.2924	2.8700e-003		83.3641
Total	0.1091	2.0719	0.9802	6.0200e-003	0.3164	9.0800e-003	0.3255	0.0828	8.6700e-003	0.0915		660.2347	660.2347	0.0568		661.6554

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.5009	0.0000	1.5009	0.2273	0.0000	0.2273			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	1.5009	1.6587	3.1596	0.2273	1.5419	1.7691	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Winter

3.2 Demolition - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0562	2.0303	0.6152	5.1800e-003	0.2217	8.4800e-003	0.2302	0.0577	8.1100e-003	0.0658		576.9422	576.9422	0.0540		578.2913
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0529	0.0416	0.3651	8.4000e-004	0.0947	6.0000e-004	0.0953	0.0251	5.6000e-004	0.0257		83.2924	83.2924	2.8700e-003		83.3641
Total	0.1091	2.0719	0.9802	6.0200e-003	0.3164	9.0800e-003	0.3255	0.0828	8.6700e-003	0.0915		660.2347	660.2347	0.0568		661.6554

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5009	0.0000	1.5009	0.2273	0.0000	0.2273			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	1.5009	1.5513	3.0523	0.2273	1.4411	1.6684		3,747.9449	3,747.9449	1.0549		3,774.3174

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0524	1.8643	0.5877	5.0900e-003	0.1930	7.4400e-003	0.2004	0.0507	7.1200e-003	0.0578		569.6491	569.6491	0.0557		571.0423
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0491	0.0370	0.3301	8.1000e-004	0.0947	5.8000e-004	0.0953	0.0251	5.4000e-004	0.0257		80.4638	80.4638	2.5400e-003		80.5273
Total	0.1014	1.9014	0.9178	5.9000e-003	0.2877	8.0200e-003	0.2958	0.0758	7.6600e-003	0.0835		650.1129	650.1129	0.0583		651.5696

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.5009	0.0000	1.5009	0.2273	0.0000	0.2273			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	1.5009	1.5513	3.0523	0.2273	1.4411	1.6684	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0524	1.8643	0.5877	5.0900e-003	0.1930	7.4400e-003	0.2004	0.0507	7.1200e-003	0.0578		569.6491	569.6491	0.0557		571.0423
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0491	0.0370	0.3301	8.1000e-004	0.0947	5.8000e-004	0.0953	0.0251	5.4000e-004	0.0257		80.4638	80.4638	2.5400e-003		80.5273
Total	0.1014	1.9014	0.9178	5.9000e-003	0.2877	8.0200e-003	0.2958	0.0758	7.6600e-003	0.0835		650.1129	650.1129	0.0583		651.5696

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	3.8882	40.4971	21.1543	0.0380	18.0663	2.0445	20.1107	9.9307	1.8809	11.8116		3,685.6569	3,685.6569	1.1920		3,715.4573

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0589	0.0444	0.3961	9.7000e-004	0.1137	7.0000e-004	0.1144	0.0302	6.5000e-004	0.0308		96.5566	96.5566	3.0400e-003		96.6327
Total	0.0589	0.0444	0.3961	9.7000e-004	0.1137	7.0000e-004	0.1144	0.0302	6.5000e-004	0.0308		96.5566	96.5566	3.0400e-003		96.6327

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715,4573
Total	3.8882	40.4971	21.1543	0.0380	18.0663	2.0445	20.1107	9.9307	1.8809	11.8116	0.0000	3,685.6569	3,685.6569	1.1920		3,715,4573

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0589	0.0444	0.3961	9.7000e-004	0.1137	7.0000e-004	0.1144	0.0302	6.5000e-004	0.0308		96.5566	96.5566	3.0400e-003		96.6327
Total	0.0589	0.0444	0.3961	9.7000e-004	0.1137	7.0000e-004	0.1144	0.0302	6.5000e-004	0.0308		96.5566	96.5566	3.0400e-003		96.6327

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.4463	0.0000	6.4463	3.3560	0.0000	3.3560			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895,1495
Total	2.2903	24.7367	15.8575	0.0296	6.4463	1.1599	7.6062	3.3560	1.0671	4.4232		2,871.9285	2,871.9285	0.9288		2,895,1495

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0491	0.0370	0.3301	8.1000e-004	0.0947	5.8000e-004	0.0953	0.0251	5.4000e-004	0.0257		80.4638	80.4638	2.5400e-003		80.5273
Total	0.0491	0.0370	0.3301	8.1000e-004	0.0947	5.8000e-004	0.0953	0.0251	5.4000e-004	0.0257		80.4638	80.4638	2.5400e-003		80.5273

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					6.4463	0.0000	6.4463	3.3560	0.0000	3.3560			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895,1495
Total	2.2903	24.7367	15.8575	0.0296	6.4463	1.1599	7.6062	3.3560	1.0671	4.4232	0.0000	2,871.9285	2,871.9285	0.9288		2,895,1495

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0491	0.0370	0.3301	8.1000e-004	0.0947	5.8000e-004	0.0953	0.0251	5.4000e-004	0.0257		80.4638	80.4638	2.5400e-003		80.5273
Total	0.0491	0.0370	0.3301	8.1000e-004	0.0947	5.8000e-004	0.0953	0.0251	5.4000e-004	0.0257		80.4638	80.4638	2.5400e-003		80.5273

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

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

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1029	3.0057	1.0851	6.9300e-003	0.1777	9.3200e-003	0.1870	0.0511	8.9100e-003	0.0600		754.4354	754.4354	0.0597		755.9268
Worker	0.3663	0.2765	2.4649	6.0400e-003	0.7073	4.3600e-003	0.7117	0.1877	4.0200e-003	0.1917		600.7967	600.7967	0.0190		601.2703
Total	0.4692	3.2822	3.5500	0.0130	0.8850	0.0137	0.8987	0.2388	0.0129	0.2517		1,355.2321	1,355.2321	0.0786		1,357.1971

Mitigated Construction On-Site

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

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1029	3.0057	1.0851	6.9300e-003	0.1777	9.3200e-003	0.1870	0.0511	8.9100e-003	0.0600		754.4354	754.4354	0.0597		755.9268
Worker	0.3663	0.2765	2.4649	6.0400e-003	0.7073	4.3600e-003	0.7117	0.1877	4.0200e-003	0.1917		600.7967	600.7967	0.0190		601.2703
Total	0.4692	3.2822	3.5500	0.0130	0.8850	0.0137	0.8987	0.2388	0.0129	0.2517		1,355.2321	1,355.2321	0.0786		1,357.1971

3.5 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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Winter

3.5 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	0.0947	2.8516	1.0001	6.8500e-003	0.1777	8.2000e-003	0.1858	0.0511	7.8400e-003	0.0590		747.9075	747.9075	0.0605		749.4189
Worker	0.3416	0.2471	2.2401	5.8200e-003	0.7073	4.2300e-003	0.7116	0.1877	3.9000e-003	0.1916		579.3701	579.3701	0.0168		579.7909
Total	0.4363	3.0987	3.2402	0.0127	0.8850	0.0124	0.8974	0.2388	0.0117	0.2505		1,327.2776	1,327.2776	0.0773		1,329.2098

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Winter

3.5 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	0.0947	2.8516	1.0001	6.8500e-003	0.1777	8.2000e-003	0.1858	0.0511	7.8400e-003	0.0590		747.9075	747.9075	0.0605		749.4189
Worker	0.3416	0.2471	2.2401	5.8200e-003	0.7073	4.2300e-003	0.7116	0.1877	3.9000e-003	0.1916		579.3701	579.3701	0.0168		579.7909
Total	0.4363	3.0987	3.2402	0.0127	0.8850	0.0124	0.8974	0.2388	0.0117	0.2505		1,327.2776	1,327.2776	0.0773		1,329.2098

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0737	2.3712	0.8958	6.7000e-003	0.1776	3.9200e-003	0.1816	0.0511	3.7500e-003	0.0549		734.4310	734.4310	0.0579		735.8779
Worker	0.3196	0.2213	2.0416	5.6000e-003	0.7073	4.1300e-003	0.7115	0.1877	3.8000e-003	0.1915		557.7203	557.7203	0.0150		558.0948
Total	0.3933	2.5925	2.9374	0.0123	0.8850	8.0500e-003	0.8930	0.2388	7.5500e-003	0.2463		1,292.1513	1,292.1513	0.0729		1,293.9726

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0737	2.3712	0.8958	6.7000e-003	0.1776	3.9200e-003	0.1816	0.0511	3.7500e-003	0.0549		734.4310	734.4310	0.0579		735.8779
Worker	0.3196	0.2213	2.0416	5.6000e-003	0.7073	4.1300e-003	0.7115	0.1877	3.8000e-003	0.1915		557.7203	557.7203	0.0150		558.0948
Total	0.3933	2.5925	2.9374	0.0123	0.8850	8.0500e-003	0.8930	0.2388	7.5500e-003	0.2463		1,292.1513	1,292.1513	0.0729		1,293.9726

3.6 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	5.2026					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	5.4071	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Winter

3.6 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	0.0671	0.0485	0.4400	1.1400e-003	0.1389	8.3000e-004	0.1398	0.0369	7.7000e-004	0.0376		113.8048	113.8048	3.3100e-003		113.8875
Total	0.0671	0.0485	0.4400	1.1400e-003	0.1389	8.3000e-004	0.1398	0.0369	7.7000e-004	0.0376		113.8048	113.8048	3.3100e-003		113.8875

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.2026					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	5.4071	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Winter

3.6 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	0.0671	0.0485	0.4400	1.1400e-003	0.1389	8.3000e-004	0.1398	0.0369	7.7000e-004	0.0376		113.8048	113.8048	3.3100e-003		113.8875
Total	0.0671	0.0485	0.4400	1.1400e-003	0.1389	8.3000e-004	0.1398	0.0369	7.7000e-004	0.0376		113.8048	113.8048	3.3100e-003		113.8875

3.6 Architectural Coating - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.2026					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	5.3942	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Winter

3.6 Architectural Coating - 2023**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0628	0.0435	0.4010	1.1000e-003	0.1389	8.1000e-004	0.1398	0.0369	7.5000e-004	0.0376		109.5522	109.5522	2.9400e-003		109.6258
Total	0.0628	0.0435	0.4010	1.1000e-003	0.1389	8.1000e-004	0.1398	0.0369	7.5000e-004	0.0376		109.5522	109.5522	2.9400e-003		109.6258

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.2026					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	5.3942	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Winter

3.6 Architectural Coating - 2023**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0628	0.0435	0.4010	1.1000e-003	0.1389	8.1000e-004	0.1398	0.0369	7.5000e-004	0.0376		109.5522	109.5522	2.9400e-003		109.6258
Total	0.0628	0.0435	0.4010	1.1000e-003	0.1389	8.1000e-004	0.1398	0.0369	7.5000e-004	0.0376		109.5522	109.5522	2.9400e-003		109.6258

3.7 Paving - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0859					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1187	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Winter

3.7 Paving - 2023**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0428	0.0296	0.2734	7.5000e-004	0.0947	5.5000e-004	0.0953	0.0251	5.1000e-004	0.0256		74.6947	74.6947	2.0100e-003		74.7448
Total	0.0428	0.0296	0.2734	7.5000e-004	0.0947	5.5000e-004	0.0953	0.0251	5.1000e-004	0.0256		74.6947	74.6947	2.0100e-003		74.7448

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0859					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1187	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Winter

3.7 Paving - 2023**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0428	0.0296	0.2734	7.5000e-004	0.0947	5.5000e-004	0.0953	0.0251	5.1000e-004	0.0256		74.6947	74.6947	2.0100e-003		74.7448
Total	0.0428	0.0296	0.2734	7.5000e-004	0.0947	5.5000e-004	0.0953	0.0251	5.1000e-004	0.0256		74.6947	74.6947	2.0100e-003		74.7448

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

Increase Density

Improve Pedestrian Network

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5376	1.8596	5.5038	0.0142	1.3787	0.0126	1.3913	0.3695	0.0118	0.3813		1,441.808 1	1,441.808 1	0.0719		1,443.606 5
Unmitigated	0.5424	1.8906	5.6185	0.0146	1.4243	0.0129	1.4372	0.3818	0.0121	0.3938		1,485.781 4	1,485.781 4	0.0736		1,487.621 5

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	361.04	361.04	361.04	668,800	647,395
Library	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	361.04	361.04	361.04	668,800	647,395

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	8.30	4.50	4.90	25.60	9.90	64.50	86	11	3
Library	6.60	5.50	6.40	52.00	43.00	5.00	44	44	12
Parking Lot	6.60	5.50	6.40	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.567965	0.027871	0.206163	0.120389	0.019588	0.005343	0.017610	0.019838	0.002797	0.002169	0.006725	0.002609	0.000932
Library	0.567965	0.027871	0.206163	0.120389	0.019588	0.005343	0.017610	0.019838	0.002797	0.002169	0.006725	0.002609	0.000932
Parking Lot	0.567965	0.027871	0.206163	0.120389	0.019588	0.005343	0.017610	0.019838	0.002797	0.002169	0.006725	0.002609	0.000932

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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	0.0317	0.2776	0.1655	1.7300e-003		0.0219	0.0219		0.0219	0.0219		345.6783	345.6783	6.6300e-003	6.3400e-003	347.7325
NaturalGas Unmitigated	0.0403	0.3534	0.2114	2.2000e-003		0.0279	0.0279		0.0279	0.0279		439.8002	439.8002	8.4300e-003	8.0600e-003	442.4137

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Winter

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

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	2235.36	0.0241	0.2060	0.0877	1.3100e-003		0.0167	0.0167		0.0167	0.0167		262.9841	262.9841	5.0400e-003	4.8200e-003	264.5468
Library	1502.94	0.0162	0.1474	0.1238	8.8000e-004		0.0112	0.0112		0.0112	0.0112		176.8162	176.8162	3.3900e-003	3.2400e-003	177.8669
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
Total		0.0403	0.3534	0.2114	2.1900e-003		0.0279	0.0279		0.0279	0.0279		439.8002	439.8002	8.4300e-003	8.0600e-003	442.4137

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					
Apartments Low Rise	1.77221	0.0191	0.1633	0.0695	1.0400e-003		0.0132	0.0132		0.0132	0.0132		208.4950	208.4950	4.0000e-003	3.8200e-003	209.7339
Library	1.16606	0.0126	0.1143	0.0960	6.9000e-004		8.6900e-003	8.6900e-003		8.6900e-003	8.6900e-003		137.1833	137.1833	2.6300e-003	2.5200e-003	137.9985
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
Total		0.0317	0.2776	0.1655	1.7300e-003		0.0219	0.0219		0.0219	0.0219		345.6783	345.6783	6.6300e-003	6.3400e-003	347.7325

6.0 Area Detail

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Winter

6.1 Mitigation Measures Area

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	3.2613	0.0764	6.6317	3.5000e-004		0.0367	0.0367		0.0367	0.0367	0.0000	11.9487	11.9487	0.0116	0.0000	12.2386
Unmitigated	3.2613	0.0764	6.6317	3.5000e-004		0.0367	0.0367		0.0367	0.0367	0.0000	11.9487	11.9487	0.0116	0.0000	12.2386

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Winter

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3734					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.6862					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.2017	0.0764	6.6317	3.5000e-004		0.0367	0.0367		0.0367	0.0367		11.9487	11.9487	0.0116		12.2386
Total	3.2613	0.0764	6.6317	3.5000e-004		0.0367	0.0367		0.0367	0.0367	0.0000	11.9487	11.9487	0.0116	0.0000	12.2386

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Winter

6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3734					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.6862					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.2017	0.0764	6.6317	3.5000e-004		0.0367	0.0367		0.0367	0.0367		11.9487	11.9487	0.0116		12.2386
Total	3.2613	0.0764	6.6317	3.5000e-004		0.0367	0.0367		0.0367	0.0367	0.0000	11.9487	11.9487	0.0116	0.0000	12.2386

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

Escalante Meadows - Santa Barbara-North of Santa Ynez County, Winter

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation
